

STAFF HANDBOOK

APOTHECARY EDUCATION PROGRAM



**FACULTY OF PHARMACY
UNIVERSITAS AIRLANGGA**

SURABAYA 2023

Name	Prof. Dr. Sudjarwo, MS.,Apt			
Position	Lecturer at Department of Phamaceutical Sciences (Pharmaceutical Analysis)			
Academic Career	<ul style="list-style-type: none"> • Doctor, Postgraduate Program, Universitas Airlangga, 2012 • Magister, Postgraduate Program, Bandung Institute of Technology, 1990 • Apothecary, Apt., Faculty of Pharmacy, Universitas Airlangga, 1985 • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga, 1984 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	1986	
Research and development projects over the last 5 years	Project Name	Duration	Partners	Funding
	Standarisasi Kolkisin di Dalam Sediaan Herbal Kembang Sungsang (Glorosa superba L.)	2013	-	(RKAT) Universitas Airlangga
Cooperation with the industry over the past five years	-			
Patent and protected rights				
Publications	<p>A selection of more recent publications from a total of around (provide total number): 3</p> <ol style="list-style-type: none"> 1. Optimization and validation of visible-spectrophotometry method for determination ascorbic acid in Jeruk Bali (Citrus maxima) fruit from Indonesia. International Journal of Pharmaceutical Quality Assurance, Volume 8, Issue 2, April-June 2017, Pages 44-48, 2. Screening and Identification of Fibrinolytic Bacteria from Tempeh. Berkala Ilmiah Kimia Farmasi, Vol.7, No.1, June 2020, Pages 1-6 3. Validation Of Spectrophotometry-Visble Method On The Determination Of Borax Levels In Meatballs, Berkala Ilmiah Kimia Farmasi, Vol.8, No.2, December 2021, Pages 41-47 			
Participations in specialist organizations over the past five years	<ol style="list-style-type: none"> 1. Member of Indonesian Pharmacist Association 2. Assessor member of LAMPTKes Accreditaion body 			

Name	Prof. Dr. Djoko Agus Purwanto, Apt., M.Si.			
Position	Lecturer at Department of Pharmaceutical Sciences (Pharmaceutical Analysis)			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Science, Drs, Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Universitas Airlangga, Indonesia 1985. • Apothecary, Apt, Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Universitas Airlangga, Indonesia, 1986. • Master of Science, M.Si, Pharmaceutical Chemistry, Faculty of Pharmacy, Universitas Airlangga, Indonesia, 1994. • Doctoral degree, Dr, Mathematics and Natural Sciences, Universitas Airlangga, Indonesia, 2000. 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	1987	
Research and development projects over the last 5 years	Project Name	Duration	Partners	Funding
	Analisis Mekanisme Neuroproteksi <i>Camelia sinensis</i> dengan Bahan Aktif EGCG dalam Menghambat Proses Kematian Sel Neuron pada Model MCAO (Middle Cerebral Artery Occlusion)	2019	-	Ministry of Research and Higher Education
	Law Enforcement On Iodine Deficiency Disorders (Idd) In District Of East Java And Central Java	2019	-	Ministry of Research and Higher Education
Cooperation with the industry over the past five years	Research collaboration with PT Asimas for MediTea® Products			
Patent and protected rights	Method of Performance Liquid Chromatography (Hplc) For Determination of Sphenylmercapturin Content (Spma) In Urine (2012)			
Publications	<p>A selection of more recent publications from a total of around (provide total number): 14</p> <ol style="list-style-type: none"> 1. Purwanto, A., Hiroko Hashimoto, Kinuyo Matsu-moto, Sismindari, Sofia M. Haryana, Hiroshi Taniguchi, Naemi M. Kajiwara, 2005. Effect of Curcuma mangga Water Extract on Blood Fluidity in Vitro. Bulletin of the Faculty of Home Economics Kobe Women University, March,, Vol. 38:37-40. 2. Purwanto, D.A., Rahayu, R.P., and Purnomo, A.T., 2010. Analysis of IFN-γ Concentration in Wistar Rat Blood after Oral Administration of Standardized Green Tea Water Indonesian Journal of Chemistry, 10(3):390-395. 			

	<ol style="list-style-type: none"> 3. Purwanto, D.A., 2011. Analisis Kadar O 6-[H 3]Metil-guanin- DNA pada Kultur Hepatosit Tikus Menggunakan Liquid Scintillation Counter Setelah Pemberiann (-)-Epigallocatekin Galat dari Teh Hijau. <i>Jurnal Kedokteran Indonesia</i>, 2(1):5-10. 4. Purwanto, D.A.,Puspayanti, V.E., Prawita, A., 2012. Validasi Metode KCKT untuk Penetapan Kadar Campuran Parasetamol dan Ibuprofen dalam Tablet Simulasi. <i>Majalah Farmasi Airlangga</i>, 9(1):40-44. 5. Widyaningsih, T.D., Sukardiman, Purwanto, D.A, dan Darmanto, W., 2012. Efek Imunomodulator Ekstrak Air Cincau Hitam (Mesona palustrisBL) Terhadap Karsinogenesis Mencit. <i>Tekno. dan Industri Pangan</i>,23(1):29-35. 6. Widyaningsih, T.D., Sukardiman, Purwanto, D.A.,Darmanto, W., 2012. Efek Ekstrak Air Cincau Hitam (Mesona palustriBI) terhadap Interferon Gamma dan Komponen Immunosurveilans pada Mencit Balb/C. <i>Bahan Alam Indonesia</i> ,8(3):204-210. 8. Purwanto, D.A., Darmawati, A., Purwaningsih, 2014. The Impact of Green Tea on Blood Fluidity Improvement and Weight Loss. <i>Jurnal Ners</i>, 9(1):1-5. 9. Purwanto, D.A., Primaharinastiti, R., Annuryanti, F., 2014. Development and Validation of HPLC Method for Determination of S-Phenylmercap topuric Acid (S-PMA) in Urine. <i>International Journal of Pharmacy and Pharmaceutical Sciences</i>, 6(5):305-308. 10. Armunanto, Purwanto, D.A.,Poernomo, A.T., 2016. Iodized Salt Profile at Regional Market in East Java According to The Indonesian Nasional Standard Analyzed by Spectrophotometric Method. <i>Indian Journal of Nutrition</i>, 3(1):129 11. Djoko Agus Purwanto, Isnaeni Isnaeni, 2019. The Effect of Vitamin C Addition on Epigallocatechin Gallate (EGCG) Stability in Green Tea Solution. <i>Jurnal Farmasi dan Ilmu Kefarmasian Indonesia</i> (Vol. 6 No. 2). 12. Djoko Agus Purwanto, Isnaeni, 2019. Effect of Guava Powder Addition on Epigallocatechin Gallate (EGCG) Content of Green Tea and Its Antioxidant Activity. <i>Jurnal Farmasi dan Ilmu Kefarmasian Indonesia</i> (Vol. 6 No. 2)
Participations in specialist organizations over the past five years	Member of Indonesian Pharmacist Association

Name	Prof. apt. Dr. M. Yuwono, MS.			
Position	Lecturer at Department of Pharmaceutical Sciences (Pharmaceutical Analysis)			
Academic Career	<ul style="list-style-type: none"> • Doctoral Degree, Universitaet Wuerzburg, Jerman, 1998 • Magister of Pharmacy, Post Graduate Program, Faculty of Pharmacy, Bandung Institute of Technology, Indonesia. 1990 • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 1985 • Apothecary, Apt., Faculty of Pharmacy, Universitas Airlangga, 1986 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	1986	
Research and development projects over the last 5 years	Project Name	Duration	Partners	Funding
	Deteksi Cemaran Multi-Residu Pestisida Pada Bahan Pangan Dengan Metode Quechers Gc-Ms Sebagai Upaya Menjamin Keamanan Pangan Nasional	2014	-	Ministry of Research and Higher Education
	Pengembangan Metode Lc Ms/Ms untuk Penetapan Kandungan Vitamin B12 Dalam Sediaan Farmasi Sebagai Upaya Penjaminan Mutu Produk Obat	2016	-	Ministry of Research and Higher Education
	Pengembangan dan Validasi Metode HPLC dan HPTLC-Spektrodensitometri dalam Rangka Penjaminan Mutu dan Keamanan Bahan Baku dan Produk Tablet Sambiloto (<i>Andrographis Paniculata</i>)	2016	-	Ministry of Research and Higher Education
	Pengembangan Metode Thin Layer Chromatography untuk Standarisasi Sediaan Bahan Alam sebagai Upaya Penjaminan Mutu Obat Tradisional	2016	-	Ministry of Research and Higher Education
Cooperation with the industry over the past five years	-			
Patent and protected rights	-			
Publications	A selection of more recent publications from a total of around (provide total number): 8			

	<ol style="list-style-type: none"> 1. Method development and validation for simultaneous determination of stevioside, Rebaudioside A, Rebaudioside C and Dulcoside A contained in Stevia rebaudiana, International Journal of Pharmacy and Pharmaceutical Sciences. Vol 8, Issue 9, 2016 2. Development of Chemical Sensor Based on Pararosaniline in Sol-Gel Matrix for Detection of Formaldehyde in Food Samples, American Journal of Analytical Chemistry, Vol 4, 661-667, 2013 3. Riesta Primaharinastiti, Mochamad Yuwono, 2020. Optimasi Metode dan Uji Stabilitas pada Penetapan Kadar Filantin dalam Ekstrak Phyllanthus niruri Menggunakan KLT-Densitometri. Jurnal Farmasi dan Ilmu Kefarmasian Indonesia (Vol. 7 No. 2). 4. Riesta Primaharinastiti, Mochamad Yuwono, 2020. Optimasi Metode KCKT-ELSD dengan Pemisahan HILIC untuk Penetapan Kadar Glukosamin Hidroklorida pada Suplemen Kesehatan. Jurnal Farmasi dan Ilmu Kefarmasian Indonesia (Vol. 7 No. 2). 5. Riesta Primaharinastiti, Mochamad Yuwono, 2021. Optimasi dan Validasi Metode KCKT untuk Identifikasi dan Penetapan Kadar Metabolit Nitrofuran dalam Bakso Udang. Jurnal Farmasi dan Ilmu Kefarmasian Indonesia (Vol. 8 No. 2) 6. Riesta Primaharinastiti, Mochamad Yuwono, 2022. HPLC Method Optimization for Simultaneous Determination of Quercetin, Luteolin, Sinensetin, and Stigmasterol in Herbal Medicines. Jurnal Farmasi dan Ilmu Kefarmasian Indonesia (Vol. 9 No. 1) 7. Dewi E.N.;Tassakka, Asmi Citra Malina A. R., Yuwono, Mochammad, Suyono, Eko Agusd, Purnamayati, Lukita, Alam, Jamaluddin Fitrah, 2022. Analgesics Induce Alterations in the Expression of SARS-CoV-2 Entry and Arachidonic-Acid- Metabolizing Genes in the Mouse Lungs. Pharmaceuticals, 2022, 15(6), 696 8. Purwandi, S., Yuwono, M., Hendradi, E, 2022. Isolation and Characterization of Cellulose from Siwalan (Borassus flabellifer) Fruit Peel Fiber. Tropical Journal of Natural Product Research, 2022, 6(4), pp. 480–483
Participations in specialist organizations over the past five years	<ol style="list-style-type: none"> 1. Member of Indonesian Pharmacist Association 2. Expert Board Member for Pharmaceutical Analysis of Indonesia Food and Drugs Agency

Name	apt. Drs. Achmad Toto Poernomo, M.Si.			
Position	Lecturer at Department of Pharmaceutical Sciences (Pharmaceutical Analysis)			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 1986 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 1987 • Magister of Pharmacy, Faculty of Pharmacy, Universitas Gajah Mada, Indonesia. 1997 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	1987	
Research and development projects over the last 5 years	Project Name	Duration	Partners	Funding
	Kajian potensi enzim fibrinolitik tempe hasil fermentasi Rhizopus oligosporus sebagai agen trombolitik dan antitrombotik	2013	-	Ministry of Research and Higher Education
	Kajian potensi enzim fibrinolitik tempe hasil fermentasi Rhizopus oligosporus sebagai agen trombolitik dan antitrombotik	2014	-	Ministry of Research and Higher Education
	Seleksi dan Identifikasi Mikroorganisme Penghasil Enzim Fibrinolitik dari Kawasan Hutan Mangrove Gunung Anyar Surabaya	2018	-	Hibah Penelitian Unggulan Fakultas (Universitas Airlangga)
	Pengembangan Produk Tempe Biji Kelor (Moringa Oleifera G.) Hasil Fermentasi Rhizopus Microsporus Var. Rhizopodiformis Fnc 6076 Sebagai Sumber Enzim Fibrinolitik Untuk Pencegahan Cvd	2019	-	Ministry of Research and Higher Education
	Pengembangan Aktivitas Agen Trombolitik in-vitro Hasil Fermentasi Daun Pegagan (Centella asiatica) oleh bacillus subtilis ATCC 6633 terhadap Trombus Buatan untuk CVDs.	2021	-	Hibah Penelitian Unggulan Fakultas (Universitas Airlangga)
	Cooperation with the industry over the past five years	-		
Patent and protected rights	-			

Publications	<p>A selection of more recent publications from a total of around (provide total number): 17</p> <ol style="list-style-type: none"> 1. Analysis DNA dan DNA calf thymus setelah pemberian n-metil n nitrosoarea secara invivo, Buletin of Indonesian Society of Natural Product Chemistry, 2015 2. Thrombolitic Activity of Black Soybean Tempeh (Glycine Soja Sieb. Et Zucc) Fermented by Rhizopus Oligosporus FNCC6010, Journal of Microbiology, Biotechnology and Food Science, 2015 3. Comparison of methods of determining levels of Oxytetracycline in shrimp with TLC-Densitometry and TLC-Bioautography, Periodical Scientific Chemical Pharmaceuticals, 2015 4. Bioautogram Profile Bacteriocin in Probiotic Milk, Scientific Period Pharmaceutical Chemistry, 2015 5. In Vitro Activity Fibrinolytic Enzymes Tempe extract from Rhizopus Oligosporus ATCC 6010 fermentation on Black soybean substrate, Periodical Scientific Chemical Pharmaceuticals, 2015 6. Isolation and Screening Fibrinolitik Mushroom of Mangrove Forest Wonorejo Surabaya, Peri, odical Scientific Chemical Pharmaceuticals, 2015 7. Determination of Gentamicin Content in cream preparations in TLC-bioautography, Pharmacia, 2016 8. Antibacterial Activity of Butanol extract from cell free fermentation broth of Strptomyces spp. isolated from vegetable palntation soil, Research journal of Pharmaceutical, Biological and Chemical Science, 2016 9. Iodized salt profile at regional market in East Java according to Indonesian National Standard Analyzed by Spectoophotometric Method, Indian Journal of Nutrition, 2016 10. Achmad Toto Poernomo*, and Isnaeni, Purwanto, Thrombolytic Activity of Fibrinolytic Enzyme from Black Soybean Tempeh (Glycine Soja Sieb. Et Zucc) Fermented by Rhizopus Oligosporus FNCC 6010. January – February 2017 RJPBCS 8(1) Page No. 1885-1896 11. Achmad Toto Poernomo, 2020. Optimasi Produksi Fibrinolitik oleh Bacillus megaterium BM 9.1 menggunakan media Limbah Pertanian sebagai sumber karbon. Berkala Ilmiah Kimia Farmasi (Vol. 7 No. 1) 12. Achmad Toto Poernomo, Isnaeni, 2020. Inhibitory Activity of Fermented Milk Multi Strain Lactic Acid Bacteria Against Staphylococcus Aureus ATCC 25923. Berkala Ilmiah Kimia Farmasi (Vol. 7 No. 1) 13. Achmad Toto Poernomo, Muhammad Faris Adrianto, 2020. Pengaruh Sumber Karbon Organik Terhadap Produksi Protease Fibrinolitik Bacillus Sphaericus BM 9.1 Dengan Solid State Fermentation (SSF). Berkala Ilmiah Kimia Farmasi (Vol. 7 No. 2) 14. Sugianto, Achmad Toto Poernomo, 2021. Validasi Metode KLT-Densitometri Pada Penetapan Kadar (-)-Epigallocatechin Gallate (EGCG) Dalam Teh Hijau Jurnal Farmasi dan Ilmu Kefarmasian Indonesia (Vol. 8 No. 1)
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	<p>15. Achmad Toto Poernomo, Isnaeni, 2021. KLT-Bioautografi Ekstrak Etil Asetat Supernatan Hasil Fermentasi Streptomyces G Isolat Tanah Rumah Kompos Bratang Surabaya. Berkala Ilmiah Kimia Farmasi (Vol. 7 No. 1)</p> <p>16. Achmad Toto Poernomo, Isnaeni, 2021 Optimasi Kondisi Fermentasi pada Produksi Metabolit Antibakteri dari Bacillus tequilensis BSMF Simbiotik Halichondria panicea. Jurnal Farmasi dan Ilmu Kefarmasian Indonesia (Vol. 8 No. 2)</p> <p>17. Noor Erma Sugianto, Achmad Toto Poernomo. 2021. Produksi Enzim Fibrinolitik Tempe oleh Rhizopus oryzae FNCC 6078. Berkala Ilmiah Kimia Farmasi (Vol. 8 No. 1)</p>
Participations in specialist organizations over the past five years	Member of Indonesian Pharmacist Association

Name	Dr. apt. Riesta Primaharinastiti, S.Si., M.Si.			
Position	Lecturer at Department of Pharmaceutical Sciences (Pharmaceutical Analysis)			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 1986 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 1987 • Magister of Pharmacy, Faculty of Pharmacy, Post Graduate Program, Institute of Technology Bandung, Indonesia. 1997 • Doctoral Degree, Post Graduate Program, Universitas Airlangga, 2009 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	1997	
Research and development projects over the last 5 years	Project Name	Duration	Partners	Funding
	Pengembangan Asuhan Kefarmasian dalam Praktik Kolaborasi sebagai Upaya untuk Meningkatkan Kualitas Capaian Terapi Warfarin	2022	-	(RKAT) Universitas Airlangga
	Studi penggunaan Aminofilin pada pasien Covid-19 dengan kondisi Acute Respiratory Distress Syndrome	2021	-	(RKAT) Universitas Airlangga
	Analisis Terapan Verifikasi Pesesean Rawat Jalan dalam Cost Saving Biaya Obat	2021	-	(RKAT) Universitas Airlangga
	Hubungan Pengetahuan Pasien dan Beliefs of Medicine terhadap Capaian Terapi Warfarin	2020	-	(RKAT) Universitas Airlangga
	Studi Penggunaan Obat Melalui Beers Criteria pada Pasien Geriatri di Instalasi Gawat Darurat RSUD	2020	-	(RKAT) Universitas Airlangga
	Identifikasi Faktor Faktor Yang Berpengaruh Terhadap Kualitas Capaian Terapi Antikoagulan Warfarin	2019	-	(RKAT) Universitas Airlangga
	Pengaruh Konsuling Apoteker Dan Pengawas Minuman Obat (Pmo) Terhadap Peningkatan Pengetahuan Kepatuhan Dan Pencapaian Target Terapi Pada Pasien Dm 2 Rawat Jalan	2019	-	(RKAT) Universitas Airlangga
	Cooperation with the industry over	-		

the past five years	
Patent and protected rights	-
Publications	<p>A selection of more recent publications from a total of around (provide total number): 11</p> <ol style="list-style-type: none"> 1. Anggraini, DT., Primaharinastiti, R., Isnaeni (2013). Validation method of gas chromatography-mass spectrometry for determination of endosulfan residue content in cabbage. <i>Periodical Scientific Chemical Pharmacy</i> 2 (1), 9-15. 2. Prihatiningtyas, S., Primaharinastiti, R. (2014). Validation of headspace-gas chromatography-mass spectrometry method for multiresidu analysis of organophosphate pesticides in vegetables. <i>Periodical Scientific Chemical Pharmacy</i> 3 (1), 6-14. 3. Sudjarwo, Widiastuti H, Primaharinastiti P, Prihatiningtyas S. (2014). Toxicity Test from Gloriosa SuperbaL Leaves Extract in Rats (<i>Rattus Novegicus</i>). <i>International Journal of Pharmacy and Pharmaceutical Science</i>, 6(5), 183-187. 4. Setyawan, D., Sari, R., Yusuf, H., & Primaharinastiti, R. (2014). Preparation and Characterization of Artesunate-Nicotinamide Cocrystal By Solvent Evaporation and Slurry Method. <i>Asian Journal of Pharmaceutical And Clinical Research</i>, 7(1), 62-65. 5. Primaharinastiti, R., Prihatiningtyas, S., Yuwono., M (2015). Validation of quechers extraction methods for multidirectional analysis of pesticides on carrot by gas chromatography-mass spectrometry. <i>Periodical Scientific Chemical Pharmacy</i> 4 (1), 12-20. 6. Fuad Hafid, A, Rifai, B, Primaharinastiti, R., Widyawaruyanti, A., Tumewu, L, Widiastuti, E., Dachliyati, L. (2015). Andrographolide Determination of <i>Andrographis paniculata</i> Extracts, Ethyl Acetate Fractions and Tablets by Thin Layer Chromatography. <i>Journal of Chemical and Pharmaceutical Research</i>, 7(12), 557-561. 7. Citra Rani, K., Primaharinastiti, R., Hendradi, E. (2016). Preparation and Evaluation of Ciprofloxacin Implants Using Bovine Hydroxyapatite-Chitosan Composite and Glutaraldehyde for Osteomyelitis. <i>International Journal of Pharmacy and Pharmaceutical Science</i>, 8(1), 45-51. 8. Putranti AR, Primaharinastiti R, Hendradi E., 2017, Effectivity and physicochemical stability of nanostructured lipid carrier coenzyme Q10 in different ratio of lipid cetyl palmitate and alpha tocopheryl acetate as carrier, <i>Asian Journal of Pharmaceutical and Clinical Research</i>, Volume 10, Issue 2, February 2017, Pages 146-152. 9. Febri Annuryanti*, Tiara Vista Ramadhani, and Riesta Primaharinastiti., Validation of High-Performance Liquid Chromatography Method for Simultaneous Determination of Vitamin C and Folic Acid in Multivitamin Tablet. January – February 2017 <i>RJPBCS</i> 8(1) Page No. 1717-1723

	<p>10. Riesta Primaharinastiti, Mochammad Yuwono, 2021. Optimasi dan Validasi Metode KCKT untuk Identifikasi dan Penetapan Kadar Metabolit Nitrofurantoin dalam Bakso Udang. Jurnal Farmasi dan Ilmu Kefarmasian Indonesia (Vol. 8 No. 2).</p> <p>11. Riesta Primaharinastiti, Mochammad Yuwono, 2022. HPLC Method Optimization for Simultaneous Determination of Quercetin, Luteolin, Sinensetin, and Stigmasterol in Herbal Medicines Jurnal Farmasi dan Ilmu Kefarmasian Indonesia (Vol. 9 No. 1),</p>
<p>Participations in specialist organizations over the past five years</p>	<ol style="list-style-type: none"> 1. Member of Indonesian Pharmacist Association 2. Management Team Member of National Committee of Uji Kompetensi Apoteker Indonesia (the Board Member for Indonesian Pharmacist National Exams)

Name	Prof. Dr. apt. Budi Suprapti, M.Si.			
Position	Lecturer at Department of Pharmacy Practice			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 1986 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 1987 • Magister of Pharmacy, Faculty of Pharmacy, Universitas Gajah Mada, Indonesia. 1997 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	1987	
Research and development projects over the last 5 years	Project Name	Duration	Partners	Funding
	Kajian potensi enzim fibrinolitik tempe hasil fermentasi Rhizopus oligosporus sebagai agen trombolitik dan antitrombotik	2013	-	(RKAT) Universitas Airlangga
	Kajian potensi enzim fibrinolitik tempe hasil fermentasi Rhizopus oligosporus sebagai agen trombolitik dan antitrombotik	2014	-	(RKAT) Universitas Airlangga
	Seleksi dan Identifikasi Mikroorganisme Penghasil Enzim Fibrinolitik dari Kawasan Hutan Mangrove Gunung Anyar Surabaya	2018	-	(RKAT) Universitas Airlangga
	Pengembangan Produk Tempe Biji Kelor (Moringa Oleifera G.) Hasil Fermentasi Rhizopus Microsporus Var. Rhizopodiformis Fncc 6076 Sebagai Sumber Enzim Fibrinolitik Untuk Pencegahan Cvds	2019	-	(RKAT) Universitas Airlangga
	Pengembangan Aktivitas Agen Trombolitik in-vitro Hasil Fermentasi Daun Pegagan (Centella asiatica) oleh bacillus subtilis ATCC 6633 terhadap Trombus Buatan untuk CVDs.	2021	-	(RKAT) Universitas Airlangga
	Cooperation with the industry over the past five years	-		
Patent and	-			

protected rights	
Publications	<p>A selection of more recent publications from a total of around (provide total number): 2</p> <ol style="list-style-type: none"> 1. Saraswati, M. D., Ardiana, S. M., Suprapti, B., Assegaf, M. Y., Suharjono, S., & Hamidah, K. F. (2022). Potential Drug–Drug Interactions in Ambulatory Patients with Hypertension: a Retrospective Study. <i>Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia</i>, 9(1), 69–74. https://doi.org/10.20473/jfiki.v9i12022.69-74 2. Suprapti, B., Yusuf, M., Saraswati, M. D., Astuti, S. F., & Damayanti, D. (2022). The ABC Analysis of Drug Use and Cost in Cardiology Outpatients -National Health Insurance. <i>JURNAL FARMASI DAN ILMU KEFARMASIAN INDONESIA</i>, 9, 193–199. https://doi.org/10.20473/jfiki.v9i22022.193-199
Participations in specialist organizations over the past five years	<ol style="list-style-type: none"> 1. Member of Indonesian Pharmacist Association 2. Member of National Committee of Uji Kompetensi Apoteker Indonesia-CBT (the Board Member for Indonesian Pharmacist Higher Education Association) 3. Member of Hospital Pharmacist Association 4. Expert Board Member for National Drugs Committee of Indonesian Food Drugs Agency

Name	apt. Mahardian Rahmadi, S.Si.,M.Sc.,Ph.D			
Position	Lecturer Department of Pharmacy Practice (Biomedical Pharmacy)			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2003 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2004 • Magister of Pharmaceutical Sciences, Hoshi University, Japan. 2010 • Doctoral Degree, Pharmaceutical Sciences, Shinagawa University, Japan, 2013 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2005	
Research and development projects over the last 5 years	Project Name	Duration	Partners	Funding
	Potensi Glycyrrhizic Acid dalam Meregulasi Jalur Kynurenine sebagai Strategi Terapi Nicotine Withdrawal	2022	-	(RKAT) Universitas Airlangga
	Efek kurkumin terhadap respon molekuler dan gambaran histopatologi hati pada model mencit non-alcoholic fatty liver disease yang diinduksi dengan high fat diet	2021	-	(RKAT) Universitas Airlangga
	Pengaruh Rasio Obat dan Polimer dalam Mikrosfer Quercetin-PLGA terhadap Pelepasan Obat in vivo dan Aktivitas Hepatoprotektif pada Model Mencit Non- Alcoholic Fatty Liver Disease	2021	-	(RKAT) Universitas Airlangga
Cooperation with the industry over the past five years	-			
Patent and protected rights	-			
Publications	A selection of more recent publications from a total of around (provide total number): 2 1. Hariyadi, D. M., Hendradi, E., Rahmadi, M., Bontong, N. S., Pudjadi, E., & Islam, N. (2022). In-Vitro Physicochemical Properties And Antibacterial Activity Of Ciprofloxacin- Carrageenan Inhalable Microspheres. <i>Rasayan Journal Of Chemistry</i> , 15(1), 132–142. https://doi.org/10.31788/Rjc.2022.1516652			

	2. Neurogenic Modulation By Neurokinin-1 Receptor Antagonist, CP-96, 345 To Inhibit Rheumatoid Arthritis Development in Adjuv Ant Induced Arthritis Rat Model, Folia Medica Indonesiana, 2016
Participations in specialist organizations over the past five years	1. Member of Indonesian Pharmacist Association 2. Assessor member of LAMPTKes Accreditation body 3. National Board Member for Drug Dependency

Name	Prof. Dr. apt. Suharjono, MS.			
Position	Lecturer at Department of Pharmacy Practice			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 1980 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 1981 • Magister of Pharmacy, Universitas Gajah Mada, Indonesia. 1991 • Doctoral Degree, Faculty of Science, Universitas Airlangga, Indonesia, 2005 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	1982	
Research and development projects over the last 5 years	Project Name	Duration	Partners	Funding
	Hubungan Pengetahuan Pasien dan Beliefs of Medicine terhadap Capaian Terapi Warfarin	2020	-	(RKAT) Universitas Airlangga
	Gerakan masyarakat sehat "sadar, cegah, dan waspada penyakit kanker" di desa Wedoro-Sidoarjo	2020	-	(RKAT) Universitas Airlangga
	Identifikasi Faktor Faktor yang Berpengaruh Terhadap Kualitas Capaian Terapi Antikoagulan Warfarin	2019	-	(RKAT) Universitas Airlangga
	Potensi Eritropoetin Sebagai Antiapoptotic Agent Sebagai Strategi Baru Pengobatan Stroke	2017	-	(RKAT) Universitas Airlangga
Cooperation with the industry over the past five years	-			
Patent and protected rights	-			
Publications	<p>A selection of more recent publications from a total of around (provide total number): 6</p> <ol style="list-style-type: none"> 1. Almuhtarihan IF, Suharjono S, Airlangga PA, Padolo E. Use of prophylactic antibiotics on surgical site infections in arthroplasty patients (Scoping Review). <i>Journal of Orthopaedics, Trauma and Rehabilitation</i>. 2022;29(1). doi:10.1177/22104917221082313 2. Lazuardi, M., Suharjomo, S., Chien, C., Jie-Long, H., Lee, C., Peng, C., Hermanto, B., Sukmanadi, M., Sugihartuti, R., & Maslachah, L. (2022). Encapsulation of Progesterone-Like Compounds in 10% Liposome 			

	<p>Increases Their Concentration in Rats Administered an Injectable Dosage Form of These Compounds.</p> <ol style="list-style-type: none"> 3. Atmaja, D. S., Yulistiani, Suharjono, & Zairina, E. (2022). Detection tools for prediction and identification of adverse drug reactions in older patients: a systematic review and meta-analysis. <i>Scientific Reports</i>, 12(1), 1–10. https://doi.org/10.1038/s41598-022-17410-w 4. Prasetyanti, I. K., Sukardiman, S., & Suharjono, S. (2021). Molecular Docking of Mangostin and Sinensetin Derivatives on SUR1-Pancreatic KATP Channel Target as Antidiabetic. <i>Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia</i>, 8(3), 271. https://doi.org/10.20473/jfiki.v8i32021.271-276 5. Saraswati, M. D., Ardiana, S. M., Suprapti, B., Assegaf, M. Y., Suharjono, S., & Hamidah, K. F. (2022). Potential Drug–Drug Interactions in Ambulatory Patients with Hypertension: a Retrospective Study. <i>Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia</i>, 9(1), 69–74. https://doi.org/10.20473/jfiki.v9i12022.69-74 6. Analysis of DL-Tocopherol as antioxidant, <i>Folia medica Indonesia</i>, Vol 53, No 1, January-March 2017
Participations in specialist organizations over the past five years	<ol style="list-style-type: none"> 1. Member of Indonesian Pharmacist Association 2. Board member of ACCP (Asian Clinical Pharmacy Association)

Name	Prof. apt. Junaidi Khotib, S.Si, M.Kes, Ph.D			
Position	Lecturer at Department of Pharmacy Practice (Biomedical Pharmacy)			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Science, Universitas Airlangga. 1994 • Magister of Pharmacy, Universitas Airlangga, Indonesia. 1998 • Doctoral Degree, Hoshi University, Japan, 2004 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	1995	
Research and development projects over the last 5 years	Project Name	Duration	Partners	Funding
	Efektivitas dan Toksisitas Dermal Gel Niosom Ekstrak Alergen Indonesian House Dust Mites pada Mencit Model Rhinitis Alergi	2022	-	(RKAT) Universitas Airlangga
	Desain Program Penatagunaan Antimikroba Yang Efisien Dalam Meningkatkan Mutu Pelayanan Dan Biaya Pengobatan Penyakit Infeksi di Rumah Sakit	2022	-	(RKAT) Universitas Airlangga
	Evaluasi Efektivitas dan Keamanan pada Desensitisasi Shrimp Allergenic Extract pada Mencit Model Gastro Food Allergy	2022	-	(RKAT) Universitas Airlangga
	Analisis Uji Radiologi, Imunohistokimia, dan Histopatologi pada Scaffold Gelatin- Chitosan-Diklofenak sebagai Pengganti Katilago dan Penghambat Inflamasi Osteoarthritis	2021	-	(RKAT) Universitas Airlangga
	Perbandingan Efektifitas Fenitoin dan asam Valproat pada Pasien epilepsi	2019	-	Ministry of Research and Higher Education
	Pengembangan Ekstrak Terstandar Skala Pilot dari Limbah Udang Vanname	2019	-	Ministry of Research and Higher Education
Cooperation with the industry over the past five years	Expert Consultant of PT Bernopharm, 2010-present			
Patent and protected rights	<ol style="list-style-type: none"> 1. Glucosamine sulfate 1000 dari karapas udang Litopenaeus Vannamei 2. Proses Produksi, Ekstraksi Bovin Hidroksiapatit dari Femur Tulang Sapi (BHANEX) 3. Ekstrak alergen digunakan sebagai kit diagnostik dan imunoterapi alergen dalam paket utama (mite allergen extract, shrimp allergen extract, chicken allergen extract, milk allergen extract, egg allergen extract) 			

Publications	<p>A selection of more recent publications from a total of around (provide total number): 10</p> <ol style="list-style-type: none"> 1. Khotib, J., Gani, M. A., Budiadin, A. S., Lestari, M. L. A. D., Rahadiansyah, E., & Ardianto, C. (2021). Signaling pathway and transcriptional regulation in osteoblasts during bone healing: Direct involvement of hydroxyapatite as a biomaterial. <i>Pharmaceuticals</i>, 14(7). https://doi.org/10.3390/ph14070615 2. Khotib, J., Lasandara, C. S., Samirah, S., & Budiadin, A. S. (2019). Acceleration of Bone Fracture Healing through the Use of Natural Bovine Hydroxyapatite Implant on Bone Defect Animal Model. <i>Folia Medica Indonesiana</i>, 55(3), 176. https://doi.org/10.20473/fmi.v55i3.15495 3. Budiadin, A. S., Gani, M. A., Samirah, Ardianto, C., Raharjanti, A.M., Septiani, I., Putri, N. P. K. P., & Khotib, J. (2021). Bovine Hydroxyapatite-Based Bone Scaffold with Gentamicin Accelerates Vascularization and Remodeling of Bone Defect. <i>International Journal of Biomaterials</i>, 2021. https://doi.org/10.1155/2021/5560891 4. Gani, M. A., Nurhan, A. D., Budiadin, A. S., Siswodihardjo, S., & Khotib, J. (2021). Predicting the molecular mechanism of glucosamine in accelerating bone defect repair by stimulating osteogenic proteins. <i>Journal of Basic and Clinical Physiology and Pharmacology</i>, 32(4), 373–377. https://doi.org/10.1515/jbcpp-2020-0403 5. Budiadin, A. S., Gani, M. A., Ardianto, C., Samirah, Pattah, S. Y. D., Mubarakah, F., & Khotib, J. (2021). The impact of glutaraldehyde on the characteristics of bovine hydroxyapatite- gelatin based bone scaffold as gentamicin delivery system. <i>Journal of Basic and Clinical Physiology and Pharmacology</i>, 32(4), 687-691. https://doi.org/10.1515/jbcpp-2020-0405 6. Gani MA, Budiadin AS, Lestari MLAD, Rantam FA, Ardianto C, Khotib J. Fabrication and Characterization of Submicron-Scale Bovine Hydroxyapatite: A Top-Down Approach for a Natural Biomaterial. <i>Materials (Basel)</i>. 2022 Mar 21;15(6):2324. doi:10.3390/ma15062324. PMID: 35329775; PMCID: PMC8953508. 7. Susanti D, Ruslan FS, Shukor MI, Nor NM, Aminudin NI, Taher M, Khotib J. Optimisation of Vitamin B12 Extraction from Green Edible Seaweed (<i>Ulva lactuca</i>) by Applying the Central Composite Design. <i>Molecules</i>. 2022; 27(14):4459. https://doi.org/10.3390/molecules27144459 8. Ulya, T., Ardianto, C., Rahmadi, M., Shinta, D. W., & Khotib, J. (2021). The Effect of Serotonin-Norepinephrine Reuptake Inhibitor Milnacipran on Anxiety-like Behaviors in Diabetic Mice. <i>Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia</i>, 8(3), 200. https://doi.org/10.20473/jfiki.v8i32021.200-206 9. Lisnasari, B. R. W., Budiadin, A. S., Ardianto, C. & Khotib, J. Molecular Docking of Active Compound of <i>Lavandula angustifolia</i> Mill Essential Oil against N-methyl-D-aspartate (NMDA) Receptor. <i>J. Farm. Dan Ilmu Kefarmasian Indones</i>. 9, 75–81 (2022). 10. Budiadin, A. S., Pratama, Y. A., Sari, W. F., Rahmadi, M., Taher, M., Zakaria, Z. A., & Khotib, J. (2022). Acute and Subchronic Toxicity of
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	Indonesian House Dust Mites (IHDM) Allergenic Extract for Asthma Allergy Immunotherapy. <i>Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia</i> , 9(2), 185–192. https://doi.org/10.20473/jfiki.v9i22022.185-192
Participations in specialist organizations over the past five years	<ol style="list-style-type: none"> 1. Ikatan Sarjana Farmasi Indonesia, 1996-2009 2. Ikatan Apoteker Indonesia, since 2009 3. Bioequivalence Working Group, since 2008 4. Asian Conference on Clinical Pharmacy, since 2007 5. Expert Board Member for National Drugs Committee of Indonesian Food Drugs Agency

Name	Prof. Dr. apt. Aniek Setiya Budiatin, M.Si.			
Position	Lecturer at Department of Pharmacy Practice (Biomedical Pharmacy)			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Science, Universitas Airlangga. 1986 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 1987 • Magister of Science (Pharmaceutics), Universitas Airlangga, Indonesia. 1999 • Doctoral Degree, Universitas Airlangga, Indonesia, 2014 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	1989	
Research and development projects over the last 5 years	Project Name	Duration	Partners	Funding
	Analisis Uji Radiologi, Imunohistokimia, dan Histopatologi pada Scaffold Gelatin-Chitosan- Diklofenak sebagai Pengganti Katilago dan Penghambat Inflamasi Osteoarthritis	2021	-	(RKAT) Universitas Airlangga
	Pengembangan Bone Scffold Bovine Hydroxyapatite Dan Mekanisme Molekular Pada Akselerasi Penyembuhan Tulang	2019	-	(RKAT) Universitas Airlangga
	Scaffold Gelatin-Chitosan Sebagai Sistem Penghantaran Diklofenak Dan Pengganti Kartilago Pada Osteoarthritis	2018	-	Ministry of Research and Higher Education
	Scaffold Gelatin-Chitosan sebagai sistem penghantaran diklofenat dan pengganti kartilago	2017	-	Ministry of Research and Higher Education
	Produk Bovine Hydroxyapatite - Gelatin - Alendronat Sebagai Bone Filler Pada Rekonstruksi Tulang.	2017	-	(RKAT) Universitas Airlangga
Cooperation with the industry over the past five years	-			
Patent and protected rights	<ol style="list-style-type: none"> 1. Pelet dari Bovin Hidroksiapatit-Gelatin dan Gentamisin sebagai Obat untuk Preventif dan atau Kuratif Osteomielitis (BHAGENTA) 2. Proses Produksi, Ekstraksi Bovin Hidroksiapatit dari Femur Tulang Sapi(BHANEX) 			
Publications	A selection of more recent publications from a total of around (provide total number): 8			

	<ol style="list-style-type: none"> 1. Khotib, J., Gani, M. A., Budiatin, Rahadiansyah, E., & Ardianto, C. transcriptional regulation in osteoblasts during bone healing: Direct involvement of hydroxyapatite as a biomaterial. <i>Pharmaceuticals</i>, 14(7). https://doi.org/10.3390/ph14070615 2. Khotib, J., Lasandara, C. S., Samirah, S., & Budiatin, A. S. (2019). Acceleration of Bone Fracture Healing through the Use of Natural Bovine Hydroxyapatite Implant on Bone Defect Animal Model. <i>Folia Medica Indonesiana</i>, 55(3), 176. https://doi.org/10.20473/fmi.v55i3.15495 3. Budiatin, A. S., Gani, M. A., Samirah, Ardianto, C., Raharjanti, A. M., Septiani, I., Putri, N. P. K. P., & Khotib, J. (2021). Bovine Hydroxyapatite-Based Bone Scaffold with Gentamicin Accelerates Vascularization and Remodeling of Bone Defect. <i>International Journal of Biomaterials</i>, 2021. https://doi.org/10.1155/2021/5560891 4. Gani, M. A., Nurhan, A. D., Budiatin, A. S., Siswodihardjo, S., & Khotib, J. (2021). Predicting the molecular mechanism of glucosamine in accelerating bone defect repair by stimulating osteogenic proteins. <i>Journal of Basic and Clinical Physiology and Pharmacology</i>, 32(4), 373–377. https://doi.org/10.1515/jbcpp-2020-0403 5. Budiatin, A. S., Gani, M. A., Ardianto, C., Samirah, Pattah, S. Y. D., Mubarakah, F., & Khotib, J. (2021). The impact of glutaraldehyde on the characteristics of bovine hydroxyapatite- gelatin based bone scaffold as gentamicin delivery system. <i>Journal of Basic and Clinical Physiology and Pharmacology</i>, 32(4), 687–691. https://doi.org/10.1515/jbcpp-2020-0405 6. Gani MA, Budiatin AS, Lestari MLAD, Rantam FA, Ardianto C, Khotib J. Fabrication and Characterization of Submicron-Scale Bovine Hydroxyapatite: A Top-Down Approach for a Natural Biomaterial. <i>Materials (Basel)</i>. 2022 Mar 21;15(6):2324. doi: 10.3390/ma15062324. PMID: 35329775; PMCID: PMC8953508. https://doi.org/10.20473/jfiki.v8i32021.200-206 7. Lisnasari, B. R. W., Budiatin, A. S., Ardianto, C. & Khotib, J. Molecular Docking of Active Compound of <i>Lavandula angustifolia</i> Mill Essential Oil against N-methyl-D-aspartate (NMDA) Receptor. <i>J. Farm. Dan Ilmu Kefarmasian Indones</i>. 9, 75–81 (2022). 8. Budiatin, A. S., Pratama, Y. A., Sari, W. F., Rahmadi, M., Taher, M., Zakaria, Z. A., & Khotib, J. (2022). Acute and Subchronic Toxicity of Indonesian House Dust Mites (IHDM) Allergenic Extract for Asthma Allergy Immunotherapy. <i>Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia</i>, 9(2), 185–192. https://doi.org/10.20473/jfiki.v9i22022.185-192
Participations in specialist organizations over the past five years	-

Name	apt. Chrismawan Ardianto, S.Farm., M.Sc., Ph.D.			
Position	Lecturer at Department of Pharmacy Practice (Biomedical Pharmacy)			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2006 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2007 • Master of Pharmaceutical Science, Hoshi University School of Pharmacy and Pharmaceutical Sciences, Tokyo, Japan. 2013 • PhD in Pharmaceutical Sciences, Hoshi University School of Pharmacy and Pharmaceutical Sciences, Tokyo, Japan. 2016 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2008-present	
Research and development projects over the last 5 years	Project Name	Duration	Partners	Funding
	Potensi Modulasi CRH Pathway oleh Flavanoid Kuarsetin Sebagai Strategi Pengatasan Dampak Maternal Depression Pada Offspring	2022	-	(RKAT) Universitas Airlangga
	Efek kurkumin terhadap respon molekuler dan gambaran histopatologi hati pada model mencit non- alcoholic fatty liver disease yang diinduksi dengan high fat diet	2021	-	(RKAT) Universitas Airlangga
	Pengaruh Rasio Obat dan Polimer dalam Mikrosfer Quercetin-PLGA terhadap Pelepasan Obat in vivo dan Aktivitas Hepatoprotektif pada Model Mencit Non-Alcoholic Fatty Liver Disease	2021	-	(RKAT) Universitas Airlangga
	Potensi Eritropoetin Sebagai Induksi Cell Survival Pada Neuron Sebagai Strategi Baru Pengobatan Stroke	2019	-	Ministry of Research and Higher Education
	Potensi Eritropoetin Sebagai Induksi Cell Survival Pada Neuron Sebagai Strategi Baru Pengobatan Stroke	2018	-	Ministry of Research and Higher Education
	Potensi dan Mekanisme Proteksi Obat Golongan SSRI Terhadap Kondisi Gastric Ulcer Yang Diinduksi Oleh Stres	2017	-	(RKAT) Universitas Airlangga

Cooperation with the industry over the past five years	-
Patent and protected rights	-
Publications	<p>A selection of more recent publications from a total of around (provide total number): 5</p> <ol style="list-style-type: none"> 1. Moshawih S, Lim AF, Ardianto C, Goh KW, Kifli N, Goh HP, Jarrar Q, Ming LC. Target-Based Small Molecule Drug Discovery for Colorectal Cancer: A Review of Molecular Pathways and In Silico Studies. <i>Biomolecules</i>. 2022 Jun 23;12(7):878. doi: 10.3390/biom12070878. PMID: 35883434; PMCID: PMC9312989. 2. Budiatin, A. S., Gani, M. A., Samirah, Ardianto, C., Raharjanti, A. M., Septiani, I., Putri, N. P. K. P., & Khotib, J. (2021). Bovine Hydroxyapatite-Based Bone Scaffold with Gentamicin Accelerates Vascularization and Remodeling of Bone Defect. <i>International Journal of Biomaterials</i>, 2021, 5560891. https://doi.org/10.1155/2021/5560891 3. Khotib, J., Gani, M. A., Budiatin, A. S., Lestari, M. L. A. D., Rahadiansyah, E., & Ardianto, C. (2021). Signaling pathway and transcriptional regulation in osteoblasts during bone healing: Direct involvement of hydroxyapatite as a biomaterial. <i>Pharmaceutics</i>, 14(7). https://doi.org/10.3390/ph14070615 4. Ulya, T., Ardianto, C., Rahmadi, M., Shinta, D. W., & Khotib, J. (2021). The Effect of Serotonin-Norepinephrine Reuptake Inhibitor Milnacipran on Anxiety-like Behaviors in Diabetic Mice. <i>Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia</i>, 8(3), 200. https://doi.org/10.20473/jfiki.v8i32021.200-206 5. Budiatin, A. S., Gani, M. A., Ardianto, C., Samirah, Pattah, S. Y. D., Mubarakah, F., & Khotib, J. (2021). The impact of glutaraldehyde on the characteristics of bovine hydroxyapatite- gelatin based bone scaffold as gentamicin delivery system. <i>Journal of Basic and Clinical Physiology and Pharmacology</i>, 32(4), 687–691. https://doi.org/10.1515/jbcpp-2020-0405
Participations in specialist organizations over the past five years	<ol style="list-style-type: none"> 1. Member of Indonesian Pharmacist Association 2. Member of ACCP (Asian Clinical Pharmacy Association) 3. Member of National Drug Dependency Committe

Name	Prof. Dr. apt. Aty Widyawaruyanti, M.Si			
Position	Lecturer in Department of Pharmaceutical Sciences (Natural Product Chemistry)			
Academic Career	<ul style="list-style-type: none"> • Apothecary Education Undergraduate, MIPA Universitas Padjajaran, Bandung, Indonesia. 1987 • Apothecary Professional Programme, MIPA Universitas Padjajaran Bandung, Indonesia. 1989 • Magister (Pharmacy), Program Pascasarjana Universitas, Airangga, Surabaya, Indonesia. 1999 • Doctoral (Pharmacy), Program Pascasarjana Universitas Airlangga, Surabaya, Indonesia. 2007 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2008-present	
Research and development projects over the last 5 years	Project Name	Duration	Partners	Funding
	Aplikasi Klinik Tablet Fraksi Etil Asetat Herba Sambiloto (Andrographis Paniculata Nees) Pada Terapi Malaria	2017	-	Ministry of Research and Higher Education
	Aktivitas Andrographis Paniculata sebagai Analgesik dan Antipiretik	2017	-	Ministry of Research and Higher Education
	Penentuan bahan aktif antimalaria dari tanaman Indonesia serta mekanisme aksinya pada mitokondria parasit	2019	-	Ministry of Research and Higher Education
	Aktivitas Anti Hepatitis B Dan C Tanaman Indonesia Sebagai Upaya Pencarian Obat Baru	2019	-	Ministry of Research and Higher Education
	Hibah Mandat Riset Kolaborasi Mitra Luar Negeri	2020	-	(RKAT) Universitas Airlangga LPPM
	Mekanisme Hambat dan Fraksinasi Ekstrak Aktif Anti Virus Hepatitis B dan C	2020	-	(RKAT) Universitas Airlangga LPPM
	Uji aktivitas Antioksidan dari Ekstrak Etanol Batang Pternandra Galeata Ridl serta profil metabolitnya	2021		(RKAT) Universitas Airlangga FFUA
	Aktivitas Antimalaria Senyawa Santon dari Kulit Batang Cratoxylum sumatranum	2021		(RKAT) Universitas Airlangga FFUA

	Studi Profilaksis dari Fraksi Etil Asetat Sambiloto pada Infeksi Malaria	2022		Ministry of Research and Higher Education
	Pelatihan Pembuatan Jamu kepada Siswa SMA di Kabupaten Banyuwangi sebagai Upaya Pelestarian Budaya Bangsa serta Menanamkan Jiwa Kewirausahaan	2022		Ministry of Research and Higher Education
Cooperation with the industry over the past five years	-			
Patent and protected rights	<ol style="list-style-type: none"> 1. Tablet Fraksi Diterpen Lakton Herba Sambiloto Formulation As Antimalaria (2011) 2. Antimalarial Medicinal Product Formula From Ethyl Foil Asesat Ethanol Extract Herba Sambiloto (Andrographis Paniculata Nees) (2012) 1. Antimalarial Drug Formula From Cempedak Trunk Bark Extract (Artocarpus Champeden Spreng) (2012) 2. Preparation Formulation Capsules Cempedak Bark Extracts And Usage In Patients With Malaria (2013) 			
Publications	<p>A selection of more recent publications from a total of around (provide total number): 12</p> <ol style="list-style-type: none"> 1. Cytotoxic Effect of Crude Extract and Fraction From Calotropis gigantea Leaves of Human Colon Cancer WIDR Cell Lines, International Journal of Pharmacy and Pharmaceutical Sciences, 2017 2. Antimalarial Activity And Survival Time Of Andrographis Paniculata Fraction (AS202-01) on Plasmodium berghei Infected Mice, Research Journal of Pharmaceutical, Biological and Chemical, 2017 3. Rohatul Mutiah, Sukardiman, Aty Widyawaruyanti, Cytotoxic Effect Of Crude Extract And Fraction From Calotropis Gigantea Leaves On Human Colon Cancer Widr Cell Lines, IJPPS, 2017, Vol.9(1), pp.83-86 4. Mutiah, R., Widyawaruyanti, A., Sukardiman, S, 2017, Ethyl Acetate Fraction Of Calotropis Gigantea Roots Induce Apoptosis Through Increased G2/M And Increased Expression Of Caspase-8 In Colon Cancer Widr Cell Line, Journal Of Applied Pharmaceutical Science, Volume 7, Issue 7, 1 July 2017, Pages 197-201 5. Retno Sari, Aty Widyawaruyanti, Franciscus B. Tedy Anindita, Sinta Kusuma Astuti, Dwi Setyawan, 2017, Development of andrographolide – carboxymethyl chitosan nanoparticles: characterization, in vitro release and in vivo antimalarial activity study, Turkish Journal of Pharmaceutical Sciences, 6. Hafid, A.F., Aoki-Utsubo, C., Permasari, A.A., Adianti, M., 			

	<p>Tumewu, L., Widyawaruyanti, A., Wahyuningsih, S.P.A., Wahyuni, T.S., Lusida, M.I., Soetjipto, Hotta, H Antiviral activity of the dichloromethane extracts from <i>Artocarpus heterophyllus</i> leaves against hepatitis C virus, <i>Asian Pacific Journal of Tropical Biomedicine</i> Volume 7, Issue 7, July 2017, Pages 633-639</p> <p>7. Aty Widyawaruyanti, Deri Astrianto, Hilkatul Ilmi, Lidya Tumewu, Dwi Setyawan, Endang Widiastuti, Lilis Dachliyati, Indah S Tantular, and Achmad Fuad Hafid, Antimalarial activity and survival time of <i>Andrographis Paniculata</i> Fraction (AS202-01) on <i>Plasmodium Berghei</i> Infected Mice, January – February 2017 <i>RJPBCS</i> 8(1S) Page No. 49-54</p> <p>8. Puspitasari, R., Wahyuni, T. S., Hafid, A. F., Permanasari, A. A., Tumewu, L., & Widyawaruyanti, A. (2022). Anti-Hepatitis C Virus Activity of Various Indonesian Plants from Balikpapan Botanical Garden, East Borneo. <i>Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia</i>, 9(1), 48–54. https://doi.org/10.20473/jfiki.v9i12022.48-54</p> <p>9. Bastiana, Widyawaruyanti, A., Ilmi, H., Tumewu, L., Prasetyo, B., Hafid, A. & Aryati (2022). A tablet derived from <i>Andrographis paniculata</i> complements dihydroartemisinin-piperazine treatment of malaria in pregnant mice. <i>Journal of Basic and Clinical Physiology and Khotib, J., Gani, M. A., Budiati, A. S., Lestari, M. L. A. D., Rahadiansyah, E., & Ardianto, C. (2021). Signaling pathway and transcriptional regulation in osteoblasts during bone healing: Direct involvement of hydroxyapatite as a biomaterial. <i>Pharmaceuticals</i>, 14(7). https://doi.org/10.3390/ph14070615</i></p> <p>10. Wahyuni, T. S., Permatasari, A. A., Aoki-Utsubo, C., Widyawaruyanti, A., & Fuad, A. (2022). Anti-Hepatitis C Activity of Combination of <i>Ruta angustifolia</i> Extract and Ribavirin. <i>Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia</i>, 9(2), 125–130. https://doi.org/10.20473/jfiki.v9i22022.125-130</p> <p>11. Aristyawan, A. D., Setyaningtyas, V. F., Wahyuni, T. S., Widyawaruyanti, A., Ingkaninan, K., & Suciati, S. (2022). In vitro acetylcholinesterase inhibitory activities of fractions and iso-agelasine C isolated from the marine sponge <i>Agelas nakamurai</i>. <i>Journal of Research in Pharmacy</i>, 26(2), 279–286. https://doi.org/10.29228/jrp.126</p> <p>12. Khasanah, U., Shalas, A. F., Resti, N. N., Nurdiana, M., & Widyawaruyanti, A. (2022). Bioassay-guided fractionation and in vitro antiplasmodial activity of ethyl acetate fractions from <i>Alectryon serratus</i> (Sapindaceae) leaf. <i>Tropical Journal of Pharmaceutical Research</i>, 21(1), 99–104. https://doi.org/10.4314/tjpr.v21i1.16</p>
Participations in specialist organizations over the past five years	<ol style="list-style-type: none"> 1. Member of Indonesian Pharmacist Association 2. Member of IOCD (International Organization of Chemical Development) 3. Expert Board Member for Indonesian Traditional Medicine of Indonesian Food Drugs Agency

Name	apt. Suciati, S.Si., M.Phil., Ph.D.			
Position	Lecturer in Department of Pharmaceutical Sciences (Natural Product Chemistry)			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Science, Faculty of Pharmacy, Universitas Airlangga, Indonesia, Universitas Airlangga. 2003 • Apothecary degree, Faculty of Pharmacy, Universitas Airlangga, Indonesia, Universitas Airlangga. 2004 • Master of Philosophy, School of Molecular and Microbial Sciences, The University of Queensland, Australia. 2008 • Doctoral of Philosophy, School of Molecular and Microbial Sciences, The University of Queensland, Australia. 2013 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2008-present	
Research and development projects over the last 5 years	Project Name	Duration	Partners	Funding
	Pemanfaatan Biota Laut Spos Sebagai Penghasil Senyawa Antivirus Hepatitis C	2017	-	(RKAT) Universitas Airlangga
	Identifikasi Kandungan Asam Betulinat dan Sterol pada Kultur Kalus Solanum mammosum	2018	-	(RKAT) Universitas Airlangga
	Utilization Of Indonesian Marine Biodiversity As Anticholinesterase And Antiandrogenic Agents	2018	-	Ministry of Research and Higher Education
	Aktivitas Antikolinesterase dari Beberapa Tanaman Herbal Indonesia pada Penanganan Penyakit Alzheimer	2019	-	Ministry of Research and Higher Education
	Potensi ekstrak tanduk rusa dalam memperkuat tulang rawan akibat osteoarthritis	2019	-	(RKAT) Universitas Airlangga
	Potensi Tanaman Helianthus annuus Sebagai Obat Antimalaria Dari Bahan Alami Aktivitas Antikanker Dari Kultur Kalus Solanum mammosum Cgs	2019	-	(RKAT) Universitas Airlangga
	Utilization Of Indonesian Marine Biodiversity As Anticholinesterase And Antiandrogenic Agents	2019		Ministry of Research and Higher Education
	Utilization Of Indonesian Marine Biodiversity As Anticholinesterase And Antiandrogenic Agents	2020		(RKAT) Universitas Airlangga Fakultas Farmasi

	Uji aktivitas Antioksidan dari Ekstrak Etanol Batang Pternandra Galeata Ridl serta profil metabolitnya	2021		(RKAT) Universitas Airlangga Fakultas Farmasi
	Aktivitas Antimalaria Senyawa Santon dari Kulit Batang Cratoxylum sumatranum	2021		(RKAT) Universitas Airlangga Fakultas Farmasi
	Evaluasi Aktivitas Antioksidan dari Daun dan Batang Artocarpus sericicarpus Jarrett serta Profil Metabolitnya.	2022		(RKAT) Universitas Airlangga Fakultas Farmasi
	Potensi Bunga Senna spectabilis untuk Pengobatan Penyakit Alzheimer: Studi In vitro dan In vivo	2022		PDUPT
	Potency of marine biodiversity as anti- Alzheimer's agent	2022		Joint Research Scheme (JRS) Matching Results
	Pelatihan Pembuatan Jamu kepada Siswa SMA di Kabupaten Banyuwangi sebagai Upaya Pelestarian Budaya Bangsa serta Menanamkan Jiwa Kewirausahaan	2020		(RKAT) Universitas Airlangga
Cooperation with the industry over the past five years	-			
Patent and protected rights	-			
Publications	<p>A selection of more recent publications from a total of around (provide total number): 6</p> <ol style="list-style-type: none"> 1. Garson, M.J , Hehre, W. , Pierens, G.K., Suciati , Brimble, M.A, Revision of the structure of acremine P from a marine-derived strain of acremonium persicinum, Molecules, Volume 22, Issue 4, April 2017, Article number 521. Suciati, Irsyad Abdillah, Muhammad Ihsan Uddin, Achmad Fauzi, 2. Myrna Adianti, and Achmad Fuad, Antiviral Activity of Marine Sponges Homaxinella tanitai and Microxina Subtilis against Hepatitis C Virus., January – February 2017 RJPBCS 8(1) Page No. 1642-1647 			

	<ol style="list-style-type: none"> 3. Suciati, S., Rizqiyah, W., Inayah, D., Widyowati, R., Ekasari, W., & Suphrom, N. (2022). In vitro Antioxidant and Anticholinesterase Activities of Extracts from the Leaves of <i>Cassia moschata</i> Kunth. <i>Research Journal of Pharmacy and Technology</i>, 1749–1754. https://doi.org/10.52711/0974-360X.2022.00293 4. Aristyawan, A. D., Setyaningtyas, V. F., Wahyuni, T. S., Widyawaruyanti, A., Ingkaninan, K., & Suciati, S. (2022). In vitro acetylcholinesterase inhibitory activities of fractions and iso- agelasine C isolated from the marine sponge <i>Agelas nakamura</i>. <i>Journal of Research in Pharmacy</i>, 26(2), 279–286. https://doi.org/10.29228/jrp.126 5. Sari, N. P. D. P., Cahyo, B. D., Sugijanto, N. E. N., & Suciati, S. (2021). Aktivitas Antibakteri dari Jamur Endofit <i>Penicillium oxalicum</i> Hasil Isolasi dari Spons <i>Homaxinella tanitai</i>. <i>Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia</i>, 8(1), 10. https://doi.org/10.20473/jfiki.v8i12021.10-15 6. Marangoh, N., Suciati, & Ekasari, W. (2021). In Vitro Antimalarial Activity and Toxicity of <i>Helianthus annuus</i> L. Leaf Extract against <i>Plasmodium falciparum</i>. <i>Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia (JFIKI ...)</i>, 8(3), 259–263. http://eprints.umsb.ac.id/356/%0Ahttp://eprints.umsb.ac.id/356/1/Jurna 1 Farmasi dan Ilmu Kefarmasian 2020 No.2.pdf
Participations in specialist organizations over the past five years	Member of Indonesian Pharmacist Association

Name	Prof. Dr. apt. Mangestuti Agil, MS.			
Position	Lecturer in Department of Pharmaceutical Sciences (Natural Product Chemistry)			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Science, Faculty of Pharmacy, Universitas Airlangga, Indonesia, Universitas Airlangga. 1976 • Apothecary degree, Faculty of Pharmacy, Universitas Airlangga, Indonesia. 1978 • Magister of Science, Faculty of Pharmacy, Universitas Airlangga, Indonesia, Universitas Airlangga. 1987 • Doctoral Degree, Mathematic and Natural Science, School of Pharmacy, Universitas Airlangga, Indonesia. 2000 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	1980-present	
Research and development projects over the last 5 years	Project Name	Duration	Partners	Funding
	Aktivitas Fraksi-Fraksi Umbi Budara Upas (<i>Merremia mammosa</i> Hall) Sebagai Penghambat Enzim 3CL- Protease SARS-CoV2	2022	-	(RKAT) Universitas Airlangga
	Studi Efek Neuroprotektif Daun Semanggi (<i>Marsilea Crenata Presl.</i>) Dalam Penghambatan Agregasi A-Synuclein Pada Zebrafish (<i>Danio Rerio</i>) Model Parkinson Disease	2022	-	(RKAT) Universitas Airlangga
	Literature Review : Tumbuhan obat Indonesia berpotensi Neuroprotektor untuk peningkatan kualitas hidup	2021	-	(RKAT) Universitas Airlangga
	Pelatihan pembuatan produk kosmetika sederhana berbahan dasar madu bagi peternak lebah madu di desa bringin kecamatan badas kabupaten kediri jawa timur	2020	-	(RKAT) Universitas Airlangga
	Pelayanan Kesehatan Konvensional dan komplementer pada warga lanjut usia binaan Posyandu Lansia Flamboyan Karang Gayam Teratai Surabaya (Tindak Lanjut program pengobatan integratif)	2019	-	(RKAT) Universitas Airlangga
	Potensi Fraksi Etil Asetat Daun Semanggi (<i>Marsilea Crenata Prest.</i>) Dalam Mengatasi Defisiensi	2019	-	(RKAT) Universitas Airlangga

	Estrogen Pada Perempuan Pasca Menopause			
	Isolasi Senyawa Fitoestrogen Dari Daun Semanggi (<i>Marsilea Crenata</i> Presl.) Dan Penentuan Mekanisme Antineuroinflamasi Terhadap Sel Mikroglial Hmc3	2019		Ministry of Research and Higher Education
	Optimalisasi Pemanfaatan Empon-Empon Hasil Budiaya Untuk Kesehatan Masyarakat Desa Sugio, Kecamatan Sugio, Kabupaten Lamongan Jawa Timur	2018		(RKAT) Universitas Airlangga
	Aktivitas Neuprotektif Ekstrak Etil Asetat Daun Semanggi (<i>Marsilea crenata</i> Presl) terhadap sel Mikroglial HMC3 dengan Pengukuran Major Histocompatibility Complex Class II (MHC II)	2018		(RKAT) Universitas Airlangga
	Efek Pemberian Ekstrak Etanol 96%, Ekstrak N- Heksana Daun Semanggi (<i>Marsilea Crenata</i> Presl.) dan Latihan Fisik Terhadap Ekspresi Erβ Sel Neuron Otak Mencit Betina Model	2017		(RKAT) Universitas Airlangga
Cooperation with the industry over the past five years	-			
Patent and protected rights	-			
Publications	<p>A selection of more recent publications from a total of around (provide total number): 2</p> <ol style="list-style-type: none"> 1. Mangestuti Agil, Neny Purwitasari, Idha Kusumawati, 2017, Phenotypic Variation Profile of <i>Marsilea crenata</i> Presl. Cultivated in Water and in the Soil, <i>Journal of Botany</i> 2. Komatsu, Q. L. Q. L., Zhu, S., Hayashi, S., Iida, O., Takano, A., Sukrong, K. M. S., Agil, M., Balachandran, I., Nakamura, N., Kawahara, N., & Katsuko. (2022). Discrimination of <i>Curcuma</i> species from Asia using intron length polymorphism markers in genes encoding diketide-CoA synthase and curcumin synthase. <i>Natural Medicines</i>, v. 76(1), 69-86–2022 v.76 no.1. https://doi.org/10.1007/s11418-021-01558-2 			

Participations in specialist organizations over the past five years	Member of Indonesian Pharmacist Association
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Name	Prof. Dr. apt. Achmad Fuad Hafid, MSi.			
Position	Lecturer in Department of Pharmaceutical Sciences (Natural Product Chemistry)			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 1980 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 1981 • Magister Degree, Universitas Airlangga, Indonesia. 1987 • Doctoral Degree Universitas Airlangga, Indonesia. 2007 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	1981-present	
Research and development projects over the last 5 years	Project Name	Duration	Partners	Funding
	Isolasi dan prediksi target kerja senyawa dari ekstrak aktif antimalaria daun <i>Artocarpus sericicarpus</i>	2022	-	(RKAT) Universitas Airlangga
	Studi Antinyeri dan Antiradikal Bebas dari Ramuan Dayak-Kalimantan (Batang Pasak Bumi dan Saluang Belum)	2021	-	(RKAT) Universitas Airlangga
	Mekanisme Hambat dan Fraksinasi Ekstrak Aktif Anti Virus Hepatitis B dan C	2020	-	(RKAT) Universitas Airlangga
	Penentuan Bahan Aktif Anti Amuba Dari Ekstrak Diklorometana <i>Cratoxylum sumatranum</i>	2019	-	Ministry of Research and Higher Education
	Aktivitas Anti Hepatitis B Dan C Tanaman Indonesia Sebagai Upaya Pencarian Obat Baru	2019	-	(RKAT) Universitas Airlangga
	Aktivitas Anti HVC dan Antimalaria Tanaman Hasil Eksplorasi dari Hutan Konservasi Kalimantan Timur	2017	-	(RKAT) Universitas Airlangga
Cooperation with the industry over the past five years	-			
Patent and protected rights	-			
Publications	A selection of more recent publications from a total of around (provide total number): 10			

1. Bastiana, Widyawaruyanti, A., Ilmi, H., Tumewu, L., Prasetyo, B., Hafid, A. & Aryati (2022). A tablet derived from *Andrographis paniculata* complements dihydroartemisinin-piperaquine treatment of malaria in pregnant mice. *Journal of Basic and Clinical Physiology and Pharmacology*, 33(2), 175-183. <https://doi.org/10.1515/jbcpp-2020-0162>
2. Puspitasari, R., Wahyuni, T. S., Hafid, A. F., Permanasari, A. A., Tumewu, L., & Widyawaruyanti, A. (2022). Anti-Hepatitis C Virus Activity of Various Indonesian Plants from Balikpapan Botanical Garden, East Borneo. *Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia*, 9(1), 48–54. <https://doi.org/10.20473/jfiki.v9i12022.48-54>
3. Wahyuni, T. S., Permatasari, A. A., Aoki-Utsubo, C., Widyawaruyanti, A., & Fuad, A. (2022). Anti-Hepatitis C Activity of Combination of *Ruta angustifolia* Extract and Ribavirin. *Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia*, 9(2), 125–130. <https://doi.org/10.20473/jfiki.v9i22022.125-130>
4. Bastiana, Widyawaruyanti, A., Ilmi, H., Tumewu, L., Prasetyo, B., Hafid, A. & Aryati (2022). A tablet derived from *Andrographis paniculata* complements dihydroartemisinin-piperaquine treatment of malaria in pregnant mice. *Journal of Basic and Clinical Physiology and Pharmacology*, 33(2), 175-183. <https://doi.org/10.1515/jbcpp-2020-0162>
5. Antiviral Activity of Marine Sponges *Homaxinella tanitai* and *Microxina Subtilis* against Hepatitis C Virus, *Research Journal of Pharmaceutical, Biological and Chemical Sciences*, 2017
6. Antimalarial Activity And Survival Time Of *Andrographis paniculata* Fraction (AS202-01) on *Plasmodium berghei* Infected Mice, *Research Journal of Pharmaceutical, Biological and Chemical*, 2017
7. Hafid, A.F., Aoki-Utsubo, C., Permanasari, A.A., Adianti, M., Tumewu, L., Widyawaruyanti, A., Wahyuningsih, S.P.A., Wahyuni, T.S., Lusida, M.I., Soetjpto, Hotta, H Antiviral activity of the dichloromethane extracts from *Artocarpus heterophyllus* leaves against hepatitis C virus, *Asian Pacific Journal of Tropical Biomedicine* Volume 7, Issue 7, July 2017, Pages 633-639
8. Suciati, Irsyad Abdillah, Muhammad Ihsan Uddin, Achmad Fauzi, Myrna Adianti, and Achmad Fuad, Antiviral Activity of Marine Sponges *Homaxinella tanitai* and *Microxina Subtilis* against Hepatitis C Virus., January – February 2017 *RJPBCS* 8(1) Page No. 1642-1647
9. Aty Widyawaruyanti, Deri Astrianto, Hilkatul Ilmi, Lidya Tumewu, Dwi Setyawan, Endang Widiastuti, Lilis Dachliyati, Indah S Tantular, and Achmad Fuad Hafid, Antimalarial activity and survival time of *Andrographis Paniculata* Fraction (AS202-01) on *Plasmodium Berghei* Infected Mice, January – February 2017 *RJPBCS* 8(1S) Page No. 49-54
10. Aty Widyawaruyanti, Deri Astrianto, Hilkatul Ilmi, Lidya Tumewu, Dwi Setyawan, Endang Widiastuti, Lilis Dachliyati, Indah S Tantular, and Achmad Fuad Hafid, Antimalarial activity and survival time of *Andrographis Paniculata* Fraction (AS202-01) on *Plasmodium Berghei* Infected Mice, January – February 2017 *RJPBCS* 8(1S) Page No. 49-54

Participations in specialist organizations over the past five years	Member of Indonesian Pharmacist Association
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Name	Prof. Dr. apt. Wiwied Ekasari, M.Si.			
Position	Lecturer in Department of Pharmaceutical Sciences (Natural Product Chemistry)			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 1992 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 1993 • Magister of Pharmacy, Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2001 • Doctoral Degree Universitas Airlangga, Indonesia. 2010 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	1994-present	
Research and development projects over the last 5 years	Project Name	Duration	Partners	Funding
	Eksplorasi ramuan jamu sebagai terapi alternatif & komplementari untuk Osteoarthritis di Bantul, Yogyakarta	2021	-	(RKAT) Universitas Airlangga
	Potensi Daun Cassia spectabilis sebagai Anti- insomnia dari Bahan Alam	2021	-	(RKAT) Universitas Airlangga
	Tanaman Katuk (Sauropus androgynus) sebagai Obat Antimalaria dari Bahan Alam	2020	-	(RKAT) Universitas Airlangga
	Utilization Of Indonesian Marine Biodiversity As Anticholinesterase And Antiandrogenic Agents	2020	-	(RKAT) Universitas Airlangga
	Potensi Tanaman Helianthus Annus Sebagai Obat Antimalaria Dari Bahan Alami	2019	-	(RKAT) Universitas Airlangga
	Efikasi Dan Keamanan Ekstrak Etanol Daun Cassia Spectabilis Sebagai Obat Antimalaria Dari Bahan Alam	2018	-	Ministry of Research and Higher Education
	Efikasi Dan Keamanan Ekstrak Etanol Daun Cassia Spectabilis Sebagai Obat Antimalaria Dari Bahan Alam	2017	-	Ministry of Research and Higher Education
Cooperation with the industry over the past five years	-			
Patent and protected rights	1. Suatu Sediaan Daun Justicia gendarussa Burm.f. Sebagai Bahan Kontrasepsi Pria (2011)			

	<ol style="list-style-type: none"> 2. Formula Fraksi Etil Asetat Daun Johar (<i>Cassia Siamea Lamk</i>) Sebagai Obat Herbal Terstandar Antimalaria (2012) 3. Penentuan Dosis Efektif Fraksi Etil Asetat Daun <i>Cassia Siamea</i> sebagai Bahan Baku Obat Antimalaria (2015)
Publications	<p>A selection of more recent publications from a total of around (provide total number): 4</p> <ol style="list-style-type: none"> 1. Suciati, S., Rizqiyah, W., Inayah, D., Widyowati, R., Ekasari, W., & Suphrom, N. (2022). In vitro Antioxidant and Anticholinesterase Activities of Extracts from the Leaves of <i>Cassia moschata</i> Kunth. <i>Research Journal of Pharmacy and Technology</i>, 1749–1754. https://doi.org/10.52711/0974-360X.2022.00293 2. Marangoh, N., Suciati, & Ekasari, W. (2021). In Vitro Antimalarial Activity and Toxicity of <i>Helianthus annuus</i> L. Leaf Extract against <i>Plasmodium falciparum</i>. <i>Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia (JFIKI ...)</i>, 8(3), 259–263. http://eprints.umsb.ac.id/356/%0Ahttp://eprints.umsb.ac.id/356/1/Jurna 1 Farmasi dan Ilmu Kefarmasian 2020 No.2.pdf 3. Ekasari, W., Mahardiani, A., Putri, N. T., Wahyuni, T. S., & Arwati, H. (2022). Toxicological Evaluation and Protective Effects of Ethanolic Leaf Extract of <i>Cassia spectabilis</i> DC on Liver and Kidney Function of <i>Plasmodium berghei</i> -Infected Mice. <i>Veterinary Medicine International</i>, 2022. https://doi.org/10.1155/2022/6770828 4. Antimicrobial Effect Of <i>Pleomeleangustifolia</i> Pheophytin A Activation With Diode Laser To <i>Streptococcus Mutans</i>(Conference Paper), <i>Journal Of Physics: Conference Series</i> open Access Volume 853, Issue 1, 7 June 2017, Article Number 012039
Participations in specialist organizations over the past five years	Member of Indonesian Pharmacist Association

Name	Dr. apt. Idha Kusumawati, M.Si.			
Position	Lecturer in Department of Pharmaceutical Sciences (Natural Product Chemistry)			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 1993 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 1994 • Magister of Pharmacy, Faculty of Pharmacy, Universitas Airlangga, Indonesia. 1997 • Doctoral Degree Universitas Airlangga, Indonesia. 2010 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	1995-present	
Research and development projects over the last 5 years	Project Name	Duration	Partners	Funding
	Studi Praformulasi Ekstrak Etanol 70% Rimpang Temulawak Larut Air dalam Pengembangan Potensinya untuk Penurunan Kadar D-dimer	2022	-	Ministry of Research and Higher Education
	Edukasi dan Pelatihan Pemanfaatan Jeruk Nipis menjadi Produk Industri Rumah Tangga di Desa Bolo, Gresik sebagai Strategi Penguatan Kemitraan Masyarakat dalam Mencapai Tujuan SDGS	2022	-	(RKAT) Universitas Airlangga
	Literature Review : Tumbuhan obat Indonesia berpotensi Neuroprotektor untuk peningkatan kualitas hidup	2021	-	(RKAT) Universitas Airlangga
	Pengembangan Granul Laut Air dari Ekstrak Buah Cabe Jawa sebagai Bahan Baku Terstandart Obat Tradisional	2019	-	Ministry of Research and Higher Education
	Pengembangan Ekstrak Daun Graptophyllum Pengembangan Ekstrak Daun Graptophyllum	2018	-	(RKAT) Universitas Airlangga
	The Value of Indonesian Herbal Extract as Natural Ingredients and Novel Technologies of Anti- aging	2017	-	Ministry of Research and Higher Education
Cooperation with the industry over the past five years	PT Asimas for Analgesic Spray Product Development			
Patent and	1. Formula Herba Pegagan (Centella Asiatica (L)Urban) Tunggal Dan Campuran Dengan Rimpang Kencur (Kaempferia Galanga L) Sebagai			

protected rights	<p>Obat Herbal Terstandar Untuk Mempercepat Penyembuhan Cabut Gigi (2012)</p> <ol style="list-style-type: none"> 2. Formula Rimpang Kencur (<i>Kaempferia Galanga</i> L) Sebagai Obat Herbal Terstandar Analgesik Topikal (2012) 3. Formula ekstrak dan minyak bekatul serta penggunaannya sebagai tabir surya (2015) 4. Formulasi Liposom Ekstrak Cabe Jawa Sebagai Obat Herbal Afrodisiak (2016) 5. Formula Fitosom dan Liposom Ekstrak Rimpang Kencur (<i>Kaempferia galangal</i>) sebagai Antitusif (2016) 6. Formula Fitosom dan Liposom Campuran Ekstrak Rimpang Kunyit dan Ekstrak Rimpang Temulawak 7. Formula Fitosom dan Liposom Ekstrak Daun Ungu untuk Terapi Hemorroid Oral dan Topikal 8. Krim siang untuk menyamarkan kerutan terbuat dari ekstrak Temu Giring dan Bunga Lawang (Keshwari Day Cream) 9. Krim Malam untuk menyamarkan kerutan terbuat dari ekstrak Temu Giring dan Bunga Lawang (Keshwari Night Cream)
Publications	<p>A selection of more recent publications from a total of around (provide total number): 5</p> <ol style="list-style-type: none"> 1. Histopathology Study of Alginate Microspheres Containing Ovalbumin on Liver and Kidney Following Oral Administration and Evaluation of Uptake by Peyer Patches, <i>Turkish Journal of Pharmaceutical Sciences</i>, 14(3),2017 2. Mangestuti Agil, Neny Purwitasari, Idha Kusumawati, 2017, Phenotypic Variation Profile of <i>Marsilea crenata</i> Presl. Cultivated in Water and in the Soil, <i>Journal of Botany</i> 3. Kusumawati, I., Rullyansyah, S., Rohmania, Rizka, A. F., Hestianah, E. P., & Matsunami, K. (2022). Histomorphometric study of ethanolic extract of <i>Graptophyllum pictum</i> (L.) Griff. leaves on croton oil-induced hemorrhoid mice: A Javanese traditional anti-hemorrhoid herb. <i>Journal of Ethnopharmacology</i>, 284, 114765. https://doi.org/10.1016/j.jep.2021.114765 4. Kusumawati, I., Rohmania, Warsito, M. F., & Hestianah, E. P. (2022). Assessment of Topical and Transdermal Penetration of <i>Curcuma heyneana</i> Rhizome Extract in Rat Skin: Histological Analysis. <i>Methods in Molecular Biology</i> (Clifton, N.J.), 2343, 299–307. https://doi.org/10.1007/978-1-0716-1558-4_21 5. Anggraini, W., Purwanto, D. A., Isnaeni, Kusumawati, I., & Suryanto (2022). A Systematic Review Of Potential Phytochemical Compound Bark Of <i>Parameria laevigata</i> On Biofilm Formation. <i>International Journal of Applied Pharmaceutics</i>, 14(Special Issue 1), 21-26. https://doi.org/10.22159/ijap.2022.v14s1.05
Participations in specialist	<ol style="list-style-type: none"> 1. Member of Indonesian Pharmacist Association 2. Member of National Committee of Uji Kompetensi Apoteker Indonesia-CBT (the Board Member for Indonesian Pharmacist National Exams-CBT)

organizations over the past five years	
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Name	Prof. apt. Rr. Retno Widyowati, S.Si., M.Pharm			
Position	Lecturer in Department of Pharmaceutical Sciences (Natural Product Chemistry)			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2001 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2002 • Magister of Pharmaceutical Science, University of Toyama, Japan. 2009 • Doctoral Degree of Medicinal Science, Hiroshima University, Japan. 2016 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2002-present	
Research and development projects over the last 5 years	Project Name	Duration	Partners	Funding
	Eksplorasi Potensi Bawang Dayak (<i>Eleutherine bulbosa</i> Mill) dari Pasuruan sebagai osteoarthritis model in vitro dan in vivo	2022	-	(RKAT) Universitas Airlangga
	Eksplorasi ramuan jamu sebagai terapi alternatif & komplementari untuk Osteoarthritis di Bantul, Yogyakarta	2021	-	(RKAT) Universitas Airlangga
	Potensi Daun <i>Cassia spectabilis</i> sebagai Anti-insomnia dari Bahan Alam	2021	-	(RKAT) Universitas Airlangga
	Utilization Of Indonesian Marine Biodiversity As Anticholinesterase And Antiandrogenic Agents	2020	-	(RKAT) Universitas Airlangga
	Potensi Ekstrak Tanduk Rusa Dalam Memperkuat Tulang Rawan Akibat Osteoarthritis	2019	-	(RKAT) Universitas Airlangga
	Eksplorasi Potensi Tanaman Obat Lokal Purwodadi Dalam Pengembangan Obat Anti-Osteoporosis: Uji Aktivitas Pada Sel Osteoblas Dan Osteoklas In Vitro Dan In Vivo Serta Isolasi Senyawa Kandungan Didalamnya	2019	-	Ministry of Research and Higher Education
	Potensi Tanaman Jotang (<i>Spilanthes Acmella</i>) Sebagai Antiosteoporosis: Uji Aktivitas Pada Sel Osteoblas Dan Osteoklas In Vitro Serta Isolasi	2018	-	Ministry of Research and Higher Education

	Senyawa Kandungan Didalamnya			
	Karakterisasi dan Optimasi Potensi Ekstrak Tanduk Rusa Sebagai Obat Osteoporosis	2018	-	(RKAT) Universitas Airlangga
	The Value of Indonesia Herbal Extract as Natural Ingredients and Novel Technologies of Anti-Aging	2016-2017	-	(RKAT) Universitas Airlangga
Cooperation with the industry over the past five years	-			
Patent and protected rights	-			
Publications	<p>A selection of more recent publications from a total of around (provide total number): 5</p> <ol style="list-style-type: none"> 1. Juni Ekowati, Retno Widowati and Dewi Isadiartuti, Preparation Of An Inclusion Complex System Of Ethyl P- Methoxycinnamate - Hydroxypropyl-β-Cyclodextrin: Characterization and Solubility Evaluation. January – February 2017 RJPBCS 8(1) Page No. 1486-1494 2. Al-Joufi, F. A., Setia, A., Salem-Bekhit, M. M., Sahu, R. K., Alqahtani, F. Y., Widyowati, R., & Aleanizy, F. S. (2022). Molecular Pathogenesis of Colorectal Cancer with an Emphasis on Recent Advances in Biomarkers, as Well as Nanotechnology- Based Diagnostic and Therapeutic Approaches. <i>Nanomaterials</i> (Basel, Switzerland), 12(1). https://doi.org/10.3390/nano12010169 3. Suciati, S., Rizqiyah, W., Inayah, D., Widyowati, R., Ekasari, W., & Suphrom, N. (2022). In vitro Antioxidant and Anticholinesterase Activities of Extracts from the Leaves of <i>Cassia moschata</i> Kunth. <i>Research Journal of Pharmacy and Technology</i>, 1749–1754. https://doi.org/10.52711/0974-360X.2022.00293 4. Irawati, N., Widyowati, R., Kopeuw, P., & Wardoyo, B. P. E. (2022). Ethnomedicine Study on <i>Justicia gendarussa</i> for Male Contraception at the Nimboran Ethnic, Jayapura. <i>Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia</i>, 9(1), 55–61. https://doi.org/10.20473/jfiki.v9i12022.55-61 5. Kanina, L., Solehah, M., Plumeriastuti, H., Widyowati, R., & Wardoyo, B. (2022). Acute and Subchronic Toxicity Assessment of 70% Ethanol Extract of <i>Gendarusa</i> Leaves In Vivo. <i>JURNAL FARMASI DAN ILMU KEFARMASIAN INDONESIA</i>, 9, 39–47. https://doi.org/10.20473/jfiki.v9i12022.39-47 			
Participations in specialist	Member of Indonesian Pharmacist Association			

organizations over the past five years	
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Name	apt.Tutik Sri Wahyuni, S.Si., M.Si.			
Position	Lecturer in Department of Pharmaceutical Sciences (Natural Product Chemistry)			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2002 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2002 • Magister of Pharmacy, Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2007 • Doctoral Degree of Medicinal (Antiviral Herbal Medicine), Kobe University, Japan. 2017 			
Employment	Position	Employer	Period	
	Lecturer	Faculty of Pharmacy Universitas Airlangga	2006-present	
Research and development projects over the past five years	Project Name	Duration	Partners	Funding
	Studi Mekanisme Secara In vivo dan Molecular pada Tanaman Aktif Anti Virus Hepatitis C	2022		(RKAT) Universitas Airlangga
	Studi Antinyeri dan Antiradikal Bebas dari Ramuan Dayak-Kalimantan (Batang Pasak Bumi dan Saluang Belum)	2021		(RKAT) Universitas Airlangga
	Mekanisme Hambat dan Fraksinasi Ekstrak Aktif Anti Virus Hepatitis B dan C	2020		(RKAT) Universitas Airlangga
	Aktivitas Anti Hepatitis B Dan C Tanaman Indonesia Sebagai Upaya Pencarian Obat Baru	2019		(RKAT) Universitas Airlangga
	Aktivitas Anti-Hepatitis C Kombinasi Ekstrak dan Isolat Tanaman Ruta angustifolia Dengan Obat-Obat Antiviral.	2019		Ministry of Research and Higher Education
	Aktivitas Anti-Hepatitis C Kombinasi Ekstrak Dan Isolat Tanaman Ruta Angustifolia Dengan Obat-Obat Antiviral.	2018		Ministry of Research and Higher Education
	Prospek Pengembangan Tanaman Obat Indonesia sebagai Anti Hepatitis C Virus	2018		(RKAT) Universitas Airlangga
Cooperation with the industry over	-			

the past five years	
Patent and protected rights	-
Publications	<p>A selection of more recent publications from a total of around (provide total number): 6</p> <ol style="list-style-type: none"> 1. Anti-hepatitis C virus compounds obtained from Glycyrrhiza uralensis and other Glycyrrhiza species, Microbiology and imunology, 2014 2. Promising Anti-Hepatitis C Virus Compounds from Natural Resources, Natural Product Communications 2016 3. Aristyawan, A. D., Setyaningtyas, V. F., Wahyuni, T. S., Widyawaruyanti, A., Ingkaninan, K., & Suciati, S. (2022). In vitro acetylcholinesterase inhibitory activities of fractions and iso-agelasine C isolated from the marine sponge Agelas nakamura. Journal of Research in Pharmacy, 26(2), 279–286. https://doi.org/10.29228/jrp.126 4. Ekasari, W., Mahardiani, A., Putri, N. T., Wahyuni, T. S., & Arwati, H. (2022). Toxicological Evaluation and Protective Effects of Ethanolic Leaf Extract of Cassia spectabilis DC on Liver and Kidney Function of Plasmodium berghei -Infected Mice. Veterinary Medicine International, 2022. https://doi.org/10.1155/2022/6770828 5. Puspitasari, R., Wahyuni, T. S., Hafid, A. F., Permanasari, A. A., Tumewu, L., & Widyawaruyanti, A. (2022). Anti-Hepatitis C Virus Activity of Various Indonesian Plants from Balikpapan Botanical Garden, East Borneo. Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia, 9(1), 48–54. https://doi.org/10.20473/jfiki.v9i12022.48-54 6. Wahyuni, T. S., Permatasari, A. A., Aoki-Utsubo, C., Widyawaruyanti, A., & Fuad, A. (2022). Anti-Hepatitis C Activity of Combination of Ruta angustifolia Extract and Ribavirin. Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia, 9(2), 125–130. https://doi.org/10.20473/jfiki.v9i22022.125-130
Participations in specialist organizations over the past five years	Member of Indonesian Pharmacist Association

Name	Prof. Dr. apt. Umi Athiyah MS.			
Position	Lecturer Department of Pharmacy Practice (Pharmaceutical Management and Policy)			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 1980 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 1981 • Master of Basic Medical Sciences, Post Graduate Program, Universitas Airlangga, Indonesia. 1987 • Doctor of Medical Science, Post Graduate Program, Universitas Airlangga, Indonesia. 2007 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	1981	
Research and development projects over the past five years	Project Name	Duration	Partners	Funding
	Implementasi Manajemen Pengobatan Komprehensif Pada Kontinuitas Pelayanan Program Rujuk Balik (Prb) Pasien Diabetes Melitus Tipe 2	2022		(RKAT) Universitas Airlangga
	INDONESIAN MEDICATION ADHERENCE PROJECT (IMAP) Sinergi metode farmakoekonomi dan data farmakoepidemiologi untuk meningkatkan kepatuhan penggunaan obat pada populasi rentan hipertensi fase large scale trial	2021		(RKAT) Universitas Airlangga
	Implementasi Manajemen Pengobatan Komprehensif Pada Program Rujuk Balik Untuk Peningkatan Pemberdayaan Pasien, Optimalisasi Pengobatan Dan Kontinuitas Pelayanan Penyakit Kronis Di Era Cakupan Kesehatan Menyeluruh (Universal Health Coverage)	2019		Ministry of Research and Higher Education
	Pengaruh Kepatuhan Pengambilan Obat Dan Kendalanya Terhadap Keberhasilan Terpai Bagi Penderita Penyakit Kronis Peserta Bpjs Pada Apotek Rujuk Balik	2019		(RKAT) Universitas Airlangga

	Dampak Pengobatan Komplementer Dan Alternatif Yang Digunakan Pada Kualitas Hidup Pasien Dengan Diabetes Mellitus Tipe 2	2019		(RKAT) Universitas Airlangga
	Implementasi Manajemen Pengobatan Komprehensif Pada Program Rujuk Balik Untuk Peningkatan Pemberdayaan Pasien, Optimalisasi Pengobatan Dan Kontinuitas Pelayanan Penyakit Kronis Di Era Cakupan Kesehatan Menyeluruh (Universal Health Coverage)	2018		Ministry of Research and Higher Education
	Pengaruh Kepersetaan BPJS Terhadap Keberhasilan Terapi Bagi Penderita Penyakit Kronis	2018		(RKAT) Universitas Airlangga
	Analisis Rencana Kebutuhan Obat (RKO) dan Kaitannya Dengan Ketersediaan Obat di Puskesmas	2017		(RKAT) Universitas Airlangga
Cooperation with the industry over the past five years	-			
Patent and protected rights	-			
Publications	<p>A selection of more recent publications from a total of around (provide total number): 7</p> <ol style="list-style-type: none"> 1. Priyandani, Y., Rahem, A., Athiyah, U., Qomaruddin, M. B., & Kuntoro. (2022). Pharmaceutical care model for antituberculosis drug therapy in tuberculosis patients at a primary healthcare centre in Surabaya, East Java, Indonesia. <i>Pharmacy Education</i>, 22(2), 263–266. https://doi.org/10.46542/pe.2022.222.263266 2. Pertiwi, M. V. ., Alfian, R. ., Nita, Y. ., & Athiyah, U. . (2022). IAI SPECIAL EDITION: Medication adherence of diabetes mellitus patients in Indonesia: A systematic review. <i>Pharmacy Education</i>, 22(2), p. 188–193. https://doi.org/10.46542/pe.2022.222.188193 3. Setiawan, C. D. ., Wibowo, A. ., & Athiyah, U. . . (2022). IAI SPECIAL EDITION: Mapping of pharmaceutical service facilities (pharmacy) based on geographic information in Surabaya. <i>Pharmacy Education</i>, 22(2), p. 60–65. https://doi.org/10.46542/pe.2022.222.6065 4. Utami, S. ., Athiyah, U. ., & Nita, Y. . (2022). IAI SPECIAL EDITION: Signal detection of adverse drug reaction to first line anti 			

	<p>tuberculosis drugs using the Indonesian pharmacovigilance database. <i>Pharmacy Education</i>, 22(2), p. 270–274. https://doi.org/10.46542/pe.2022.222.270274</p> <p>5. Kinanti, D.P., Athiyah, U., Nita, Y., & Diansyah, M.N. (2021). Comparative Analysis of Actual Cost and INA CBG Rate in Diabetic Gangrene Inpatients. <i>JURNAL FARMASI DAN ILMU KEFARMASIAN INDONESIA</i>.</p> <p>6. Umi Athiyah, Rika Subarniati, Ana Yudha, 2017, Medication adherence in Elderly Patients with Hypertension, <i>Asian Journal of Clinical and Pharmaceutical Research</i>, Vol.10, Issue 8, August 2017, p. 165-170</p> <p>7. Umi Athiyah, Abdul Rahem, The Management Profiles Of Antidiabetic Drugs By Diabetes Melitus Patients Of Pandangdia Community Bangkalan, <i>Pharmacy Practice</i>, 2017</p>
<p>Participations in specialist organizations over the past five years</p>	<ol style="list-style-type: none"> 1. Board Member of Indonesian Pharmacist Association 2. Executive Board Member of National Committee of Uji Kompetensi Apoteker Indonesia (the Board Member for Indonesian Pharmacist National Exams) 3. Board Member of Association of Indonesia Pharmacy Higher Education

Name	apt. Dra. Liza Pristiany, M.Si.			
Position	Lecturer Department of Pharmacy Practice (Pharmaceutical Management and Policy)			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 1986 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 1987 • Magister of Pharmacy, Faculty of Pharmacy, Universitas Gajah Mada, Indonesia. 1995 • Magister of Management, Universitas Airlangga. Indonesia. 2004 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	1988	
Research and development projects over the past five years	Project Name	Duration	Partners	Funding
	Persepsi Dan Penerimaan Vaksinasi Sars Cov-2 Untuk Anak Pada Masyarakat Di Jawa Timur	2022		(RKAT) Universitas Airlangga
	Pelatihan Pengelolaan Obat Di Rumah Tangga Yang Benar Dan Swamedikasi Yang Bertanggung Jawab Bagi Kader Posyandu Di Kabupaten Probolinggo	2022		(RKAT) Universitas Airlangga
	Hubungan Pengetahuan, Lingkungan Fisik dan Dukungan Keluarga terhadap Kepatuhan Minum Obat Pasien Hipertensi Rawat Jalan di Puskesmas Tanggulangin Kabupaten Sidoarjo	2021		(RKAT) Universitas Airlangga
	Pelatihan pengelolaan obat di rumah tangga dengan media ular tangga sadar obat bagi ibu PKK RT 07/RW 04 Kelurahan Penjaringan Sari Rungkut Surabaya-Jawa Timur	2020		(RKAT) Universitas Airlangga
	Evaluasi Pengelolaan Obat Anti Diabetes Oral Tahun 2018 Di Dinas Kesehatan Kota Surabaya	2019		(RKAT) Universitas Airlangga
	Konseling Dan Kepatuhan Penderita Hipertensi Dan Diabetes Mellitus Tipe 2	2019		(RKAT) Universitas Airlangga
	Analisis Faktor Perilaku yang Mempengaruhi Individu dalam Menggunakan	2018		(RKAT) Universitas Airlangga

	Antibiotika (studi pada pasien apotek di wilayah Surabaya timur)			
	Pelatihan Mengenal Produk Obat Halal dan Baik Serta Penggunaannya yang Tepat dan Rasional bagi Anggota Majelis Taqlim	2018		(RKAT) Universitas Airlangga
Cooperation with the industry over the past five years	-			
Patent and protected rights	-			
Publications	<p>A selection of more recent publications from a total of around (provide total number): 8</p> <ol style="list-style-type: none"> 1. Zafirah, D. N., Pristianty, L., Rahem, A., & Priyandani, Y. (2022). Relationship between family support and compliance in diabetes mellitus patients. <i>Pharmacy Education</i>, 22(2), 267–269. https://doi.org/10.46542/pe.2022.222.267269 2. Susetyo, E., Agustin, E. D., Hanuni, H., Chasanah, R. A., Lestari, E. Y. D., Rana, R., Leo, Y. A. L., Rizqulloh, Z. A., Meldaviati, G., Fardha, J., Febriansyah, F., Susanto, D. P. M., Sholikah, F., & Pristianty, L. (2020). Profil Pengetahuan Mahasiswa Institut Teknologi Sepuluh Nopember Terhadap Penggunaan Obat Antasida. <i>Jurnal Farmasi Komunitas</i>, 7(2), 48. https://doi.org/10.20473/jfk.v7i2.21805 3. Gloria, F., Pristianty, L., & Rahem, A. (2021). Analisis Kolaborasi Apoteker dan Dokter di Puskesmas Surabaya dari Pespektif Dokter. <i>Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia</i>, 8(2), 132. https://doi.org/10.20473/jfiki.v8i22021.132-138 4. Haldi, T., Pristianty, L., & Hidayati, I. R. (2020). Hubungan Pengetahuan Dan Sikap Pasien Hipertensi Terhadap Kepatuhan Penggunaan Obat Amlodipin Di Puskesmas Arjuno Kota Malang. <i>Jurnal Farmasi Komunitas</i>, 8(1), 27. 5. Hidayati, I., Oktaviana, A., & Pristianty, L. (2022). Cost of Illness Type 2 Diabetes Mellitus Outpatient BPJS on Malang City Health Center. <i>Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia</i>, 9, 1–7. https://doi.org/10.20473/jfiki.v9i12022.1-7 6. Rosyida, G., Sari, A., Lutfiyah, B., Mianing, E., Siammita, D., Dewantari, E., Fikriyah, N., Astawa, I., Idris, A., Ramadhan, A., Suparta, G., & Pristianty, L. (2022). Profil Pengelolaan Terapi Hipertensi oleh Pasien Lansia di Wilayah Jawa Timur. <i>Jurnal Farmasi Komunitas</i>, 9, 1–8. https://doi.org/10.20473/jfk.v9i1.24085 7. Rizqi, S., Yuliandani, A., Yudheansyah, W., Emirsyalnuary, E., Andini, K., Sari, T., Carira, A., Lusiana, A., Rahma, R., Duwiri, D., & Pristianty, L. (2022). Pemilihan Produk Anti Acne di Media 			

	<p>Sosial pada Remaja di Beberapa Kota/Kabupaten di Indonesia. <i>Jurnal Farmasi Komunitas</i>, 9, 38–43. https://doi.org/10.20473/jfk.v9i1.24121</p> <p>8. Relationship between the Level of Parent’s Knowledge about Complete Basic Immunization in Children with Complete Basic Immunization, <i>Research Journal of Medical Sciences</i>, Year: 2017, Volume: 11, Issue: 1, Page No.: 85-88</p>
<p>Participations in specialist organizations over the past five years</p>	<p>Head of Indonesian Pharmacist Association for Surabaya Area</p>

Name	Dr. apt Yunita Nita, SSI, MPharm			
Position	Lecturer Department of Pharmacy Practice (Pharmaceutical Management and Policy)			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 1996 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 1998 • Master of Pharmacy, MPharm, School of Pharmacy, Curtin University of Technology, Western Australia. 2003 • Doctor, Dr., Faculty of Medicine, Universitas Airlangga. 2016 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	1998	
Research and development projects over the past five years	Project Name	Duration	Partners	Funding
	INDONESIAN MEDICATION ADHERENCE PROJECT (IMAP) Sinergi metode farmakoekonomi dan data farmakoepidemiologi untuk meningkatkan kepatuhan penggunaan obat pada populasi rentan hipertensi fase large scale trial	2021		(RKAT) Universitas Airlangga
	Pengukuran kualitas hidup penderita diabetes melitus : Translasi, adaptasi lintas budaya dan validasi kuesioner The Audit of Diabetes-Dependent Quality of Life (ADDQoL) dan 15 D	2020		(RKAT) Universitas Airlangga
	Cost Of Illness Pada Pasien Diabetes Mellitus Tipe 2 Di Puskesmas Wilayah Surabaya	2019		(RKAT) Universitas Airlangga
	Pelaporan dan Deteksi Sinyal Efek Samping Obat Pada Database Farmakovilgilans Indonesia	2018		(RKAT) Universitas Airlangga
	Pengaruh Jumlah Hari Pemberian Obat Dengan Resep Terhadap Kepatuhan dan Biaya (Studi pada Pasien Diabetes Melitus di Puskesmas Wilayah Surabaya).	2017		(RKAT) Universitas Airlangga
Cooperation with the industry over the past five years	-			

Patent and protected rights	-
Publications	<p>A selection of more recent publications from a total of around (provide total number): 9</p> <ol style="list-style-type: none"> 1. Pertiwi, M. V. ., Alfian, R. ., Nita, Y. ., & Athiyah, U. . (2022). IAI SPECIAL EDITION: Medication adherence of diabetes mellitus patients in Indonesia: A systematic review. <i>Pharmacy Education</i>, 22(2), p. 188–193. 2. Utami, S. ., Athiyah, U. ., & Nita, Y. . (2022). IAI SPECIAL EDITION: Signal detection of adverse drug reaction to first line anti tuberculosis drugs using the Indonesian pharmacovigilance database. <i>Pharmacy Education</i>, 22(2), p. 270–274. https://doi.org/10.46542/pe.2022.222.270274 3. Kinanti, D.P., Athiyah, U., Nita, Y., & Diansyah, M.N. (2021). Comparative Analysis of Actual Cost and INA CBG Rate in Diabetic Gangrene Inpatients. <i>Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia</i>. 4. Patty, Y. F. P. P., Nita, Y. ., & Libriansyah. (2022). IAI SPECIAL EDITION: Cost of illness analysis of diabetes mellitus with complications in one hospital in Surabaya. <i>Pharmacy Education</i>, 22(2), p. 254–258. https://doi.org/10.46542/pe.2022.222.254258 5. Nugraheni, G., Santoso, A., Puspitasari, D., Setiawan, C., & Nita, Y. (2022). Medication adherence and quality of life among asthmatic patients in primary care in Indonesia. <i>Pharmacy Education</i>, 22, 123–128. https://doi.org/10.46542/pe.2022.222.123128 6. Astuty, A. D., Achmad, G. N. V., Nita, Y., & Lestiono. (2021). Cost of Illness pada Pasien Diabetes Melitus dengan Diabetic Foot: Systematic Review. <i>Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia</i>, 55–62. 7. Kumala Dewi, A. A. R. M. F., Yuliyani, A. S., Dianita, B. R., Trimanda, D. A. W., Erliana, F. T., Kurniawan, H., Muzaffar, M. Z. R., Rachmafebri, R., Sakinah, S., Pebriastika, V. A., & Nita, Y. (2020). Pengetahuan Dan Penggunaan Obat Analgesik Dan Antipiretik Pada Ibu Hamil. <i>Jurnal Farmasi Komunitas</i>, 7(1), 8. https://doi.org/10.20473/jfk.v7i1.21658 8. Fadhila, K. R., Ningrum, D. R., Rahmawati, A. F., Azzahrya, A. B., Muntari, D. F. A., Agustin, R. A., Larasati, A., Putri, D. A., Java, A. M. El, Sarah, S., Wijayanto, A. B. E., Bowolaksono, R. W., Wahyudi, F., & Nita, Y. (2020). Pengetahuan Dan Penggunaan Produk Pemutih Dan Pencerah Di Kecamatan Sukolilo Surabaya. <i>Jurnal Farmasi Komunitas</i>, 7(2), 56. https://doi.org/10.20473/jfk.v7i2.21806 9. Rooswita, P.A., Nita, Y., Zairina, E., Nugraheni, G., & Libriansyah, L. (2021). Linguistic Validation of Indonesian Version of the Audit of Diabetes-Dependent Quality of Life Questionnaire. <i>Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia</i>.

Participations in specialist organizations over the past five years	<ol style="list-style-type: none">1. Member of Indonesian Pharmacist Association2. Assessor member of LAMPTKes Accreditaion body3. Board Member of ACCP (Asian Clinical Pharmacy Assocation)
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Name	apt. Elida Zairina, S.Si.,MPH., PhD.			
Position	Lecturer at Department of Pharmacy Practice (Pharmaceutical Management and Policy)			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Science, SSi, Department of Pharmaceutics, Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2001 • Apothecary, Apt, Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2002 • Master of Public Health, MPH, Faculty of Health Sciences, Maastricht University, Maastricht, The Netherlands. 2006 • Doctor of Philosophy, PhD, Pharmacy, Faculty of Pharmacy and Pharmaceutical Sciences, Monash University, Melbourne, Australia. 2015 			
Employment	-			
Research and development projects over the past five years	Project Name	Duration	Partners	Funding
	Faktor - Faktor yang Memengaruhi Polifarmasi pada Pasien Geriatri di Rumah Sakit	2022		(RKAT) Universitas Airlangga
	Knowledge, Perception, and Willingness to Use Telepharmacy among Pharmacist Students and The General Population in Indonesia	2022		Mitra Riset Kolaborasi Indonesia
	Drug Prescribing Patterns In Public Health Care Centers	2022		Joint Research Scheme (JRS) Matching Results
	Health outcomes associated with polypharmacy in elderly patients : a retrospective study in secondary care (HAPPIER project)	2021		(RKAT) Universitas Airlangga
	Pengetahuan, Sikap dan Praktek tentang Pengelolaan dan Pembuangan Sampah Obat oleh Masyarakat di Surabaya	2020		(RKAT) Universitas Airlangga
	Analisa Hubungan Medication Adherence Barriers Dan Kepatuhan Pengobatan Pada Pasien Penyakit Kronis Di Puskesmas Wilayah Surabaya	2019		(RKAT) Universitas Airlangga
	Pengaruh Kualitas Hidup, Kepercayaan Pengobatan	2019		Ministry of Research and

	Dan Kepuasan Pelayanan Terhadap Kepatuhan Dan Keamanan Penggunaan Obat Pada Pasien Hipertensi, Ibu Hamil Dan Ibu Menyusui Di Surabaya			Higher Education
	Identifikasi Faktor Kepatuhan Pengobatan Dan Skrining Faktor Risiko Sebagai Upaya Preventif Dan Promotif Untuk Menekan Prevalensi Penyakit Tidak Menular	2019		Ministry of Research and Higher Education
	Manajemen Terapi Obat Oleh Apoteker Pada Kasus Asma	2018		Ministry of Research and Higher Education
	Manajemen Terapi Obat oleh Apoteker pada Kasus Asma	2017		Ministry of Research and Higher Education
Cooperation with the industry over the past five years	-			
Patent and protected rights	-			
Publications	<p>A selection of more recent publications from a total of around (provide total number): 8</p> <ol style="list-style-type: none"> 1. Zairina, E., Nugraheni, G., Sulistyarini, A., Mufarrihah, Setiawan, C. D., Kripalani, S., & Lestari, S. I. (2022). Factors related to barriers and medication adherence in patients with type 2 diabetes mellitus: a cross-sectional study. <i>Journal of Diabetes & Metabolic Disorders</i>, 21, 219–228. 2. Cross, A. J., Liang, J., Thomas, D., Zairina, E., Abramson, M. J., & George, J. (2022). Educational interventions for health professionals managing chronic obstructive pulmonary disease in primary care (Review). <i>Cochrane Database of Systematic Reviews</i>, 2022(5), [CD012652]. https://doi.org/10.1002/14651858.CD012652.pub2 3. Atmaja, D. S., Yulistiani, Suharjono, & Zairina, E. (2022). Detection tools for prediction and identification of adverse drug reactions in older patients: a systematic review and meta-analysis. <i>Scientific Reports</i>, 12(1), 1–10. https://doi.org/10.1038/s41598-022-17410-w 4. Rooswita, P.A., Nita, Y., Zairina, E., Nugraheni, G., & Libriansyah, L. (2021). Linguistic Validation of Indonesian Version of the Audit of Diabetes-Dependent Quality of Life Questionnaire. <i>Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia</i>. 			

	<ol style="list-style-type: none"> 5. Setiyarini, L. D., Prameswari, D. A., Luisa, R., Panggono, S. M., Choiri, A. A., Fithriyah, N., Alodia, A., Yaqin, I. N. A., Putri, G. A. M. S., Najla, F., Nikmah, A. I., & Zairina, E. (2020). Pengetahuan Dan Peran Apoteker Tentang Disaster Management. <i>Jurnal Farmasi Komunitas</i>, 6(1), 30. https://doi.org/10.20473/jfk.v6i1.21827 6. Zairina, E., Mones, N. A., Zahrah, N. D., Rahmah, F., Hafizalwan, N., Ratri, L. S., Siswanto, F. A., Purwanto, D. R., Pratama, Y. A., Fikriyah, Y. A. W., & Borhan, B. S. B. (2020). Profil Perilaku Masyarakat Tentang Persiapan Obat Dan Pencarian Informasi Tempat Tujuan Sebelum Bepergian. <i>Jurnal Farmasi Komunitas</i>, 6(2), 46–51. https://doi.org/10.20473/jfk.v6i2.21847 7. Fathoni, M. M., Fitriani, R., Lestari, F. D., Angembani, V. M. A., Tusholecha, A., Fatmasari, W., Alyajilan, A., Azaria, S., Yuliana, Y., Amaliah, N., Maharani, S. I., & Zairina, E. (2021). Pelayanan Kefarmasian Di Beberapa Apotek Di Indonesia Pada Era Pandemi Covid-19. <i>Jurnal Farmasi Komunitas</i>, 8(2), 45–50. https://doi.org/10.20473/jfk.v8i2.24135 8. Targanski, G.W., Putri, A.N., Rizqiyah, P., Ahmad, A.S., Prawadi, J.M., Hidayah, Y.N., Ardiana, S.M., Falih, M.J., Firosyida, F., Ilmi, I.Q., Susanty, W.M., Widyasari, A.E., & Zairina, E. (2022). Pengetahuan, Kesadaran, dan Praktik Apoteker di Komunitas di Masa Pandemi COVID-19 di Beberapa Wilayah di Indonesia. <i>Jurnal Farmasi Komunitas</i>.
Participations in specialist organizations over the past five years	<ol style="list-style-type: none"> 1. Member of Indonesian Pharmacist Association 2. Coordinator for East Indonesia Region for Question Bank Administration of UKAI (National Exams for Indonesian Pharmacists) 3. Board Member of ACCP (Asian Clinical Pharmacy Association)

Name	apt. Hanni P Puspitasari, SSi, MPhil, PhD.			
Position	Lecturer Department of Pharmacy Practice (Pharmaceutical Management and Policy)			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Science, SSi, Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2001 • Apothecary, Apt, Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2002 • Master of Philosophy, MPhil, Faculty of Pharmacy, the University of Sydney, Australia. 2009 • Doctor of Philosophy, PhD, Faculty of Pharmacy, the University of Sydney, Australia. 2015 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2002	
Research and development projects over the past five years	Project Name	Duration	Partners	Funding
	INDONESIAN MEDICATION ADHERENCE PROJECT (IMAP) Sinergi metode farmakoekonomi dan data farmakoepidemiologi untuk meningkatkan kepatuhan penggunaan obat pada populasi rentan hipertensi fase large scale trial	2021		(RKAT) Universitas Airlangga
	Pemberdayaan Lansia dalam Mengidentifikasi dan Mengatasi Timbulnya Efek Samping dan Interaksi Antara Produk Obat Herbal dan Obat Modern	2020		(RKAT) Universitas Airlangga
	Identifikasi Pemahaman Obat Herbal Di Kalangan Penyedia Dan Pengguna Layanan Obat Serta Ketepatan Penggunaan Obat Herbal Pada Pasien Degeneratif Di Wilayah Jawa Timur	2019		Ministry of Research and Higher Education
	Upaya promosi hidup sehat melalui cara bijak dalam menggunakan Obat dan Obat Tradisional bersama tenaga profesi apoteker pada Ibu-Ibu Tim Penggerak PKK Kabupaten Bojonegoro	2019		(RKAT) Universitas Airlangga
Korelasi Kepatuhan Penggunaan Antiretroviral Lini Pertama	2018		(RKAT) Universitas Airlangga	

	Terhadap Nilai CD4 dan Viral Load			
	Evaluasi Penggunaan Obat dan Pelayanan Program BPJS Kesehatan pada Pasien Hipertensi di Fasilitas Kesehatan Tingkat I	2017		(RKAT) Universitas Airlangga
Cooperation with the industry over the past five years	-			
Patent and protected rights	-			
Publications	<p>A selection of more recent publications from a total of around (provide total number): 5</p> <ol style="list-style-type: none"> 1. Silmi, M. A. ., Achmad, G. N. V. ., & Puspitasari , H. P. . (2022). Iai Special Edition: Validation of stress assessment instruments related to the COVID-19 pandemic in pregnant women. <i>Pharmacy Education</i>, 22(2), p. 129–131. https://doi.org/10.46542/pe.2022.222.129131 2. Rijaluddin, M., Utami, W., Othman, Z., Yusuf, E., Puspitasari, H., & Hermansyah, A. (2021). Arti Penting Kepuasan Kerja Bagi Apoteker: Antara Bertahan Atau Keluar Dari Pekerjaan. <i>Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia</i>, 7, 39. https://doi.org/10.20473/jfiki.v7i1SI2020.39-47 3. Almaidah, F., Khairunnisa, S., Sari, I. P., Chrisna, C. D., Firdaus, A., Kamiliya, Z. H., Williantari, N. P., Akbar, A. N. M., Pratiwi, L. P. A., Nurhasanah, K., & Puspitasari, H. P. (2020). Survei Faktor Penyebab Perokok Remaja Mempertahankan Perilaku Merokok. <i>Jurnal Farmasi Komunitas</i>, 8(1), 20. https://doi.org/10.20473/jfk.v8i1.21931 4. Nashrullah, M., Anisah, S., Agustin, S., Norton Sudjaya, B., Fathoni, M., Asmoro, F., Angkasa, L., Prameswari, E., Syahbana, M., Dyfianti, S., & Puspitasari, H. (2022). Identifikasi Pengetahuan Masyarakat Usia Produktif mengenai Obat Tradisional sebagai Imunomodulator di Masa Pandemi COVID-19. <i>Jurnal Farmasi Komunitas</i>, 9, 74–80. https://doi.org/10.20473/jfk.v9i1.24142 5. Puspitasari HP, Aslani P, Krass I, 2016, An explanatory model of community pharmacists’ support in the secondary prevention of cardiovascular disease. <i>Research in Social and Administrative Pharmacy</i>, 12, 104-118. 			
Participations in specialist organizations	1. Member of Indonesian Pharmacist Association			

over the past five years	2. Coordinator for East Indonesia Region for Question Bank Administration of UKAI (National Exams for Indonesian Pharmacist)
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Name	apt. Andi Hermansyah, S. Farm., M. Sc.			
Position	Lecturer at Department of Pharmacy Practice (Pharmaceutical Management and Policy)			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Pharmacy (S. Farm), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2005 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2006 • Master of Science in Health Economics, Policy and Law (M. Sc), Institute of Health Policy and Management, Erasmus University Rotterdam, The Netherlands. 2010 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2008	
Research and development projects over the past five years	Project Name	Duration	Partners	Funding
	Pengelolaan sediaan farmasi di klinik kesehatan dan kebutuhan obat warga sekitar klinik selama pandemi Covid-19 (Studi kasus di Klinik Pratama Rumah Sehat BAZNAS Al Chusnaini Sidoarjo)	2022		(RKAT) Universitas Airlangga
	INDONESIAN MEDICATION ADHERENCE PROJECT (IMAP) Sinergi metode farmakoekonomi dan data farmakoepidemiologi untuk meningkatkan kepatuhan penggunaan obat pada populasi rentan hipertensi fase large scale trial	2021		(RKAT) Universitas Airlangga
	Peningkatan pemahaman mahasiswa Farmasi dan Ilmu Kesehatan di kota Banjarmasin dan kota Banjarbaru tentang program vaksinasi Covid-19 dan penyebaran infodemik kefarmasian dan kesehatan seputar Covid-19	2021		(RKAT) Universitas Airlangga
	Pendampingan dan Praktik Pengelolaan Obat Rumah Tangga dengan Baik Bekerjasama dengan Jejaring Apoteker Komunitas Setempat di Desa Suko Sidoarjo	2020		(RKAT) Universitas Airlangga
	Pengaruh Kepatuhan Pengambilan Obat Dan Kendalanya Terhadap	2019		(RKAT) Universitas Airlangga

	Keberhasilan Terpai Bagi Penderita Penyakit Kronis Peserta Bpjs Pada Apotek Rujuk Balik			
	Adopsi Media Sosial Oleh Apoteker Di Indonesia Sebagai Medium Komunikasi Kesehatan	2019		(RKAT) Universitas Airlangga
	“Bersama Apoteker, Pelajar Sekolah Menengah Atas Bijak Dan Cermat Dalam Menggunakan Obat”	2019		(RKAT) Universitas Airlangga
Cooperation with the industry over the past five years	-			
Patent and protected rights	-			
Publications	<p>A selection of more recent publications from a total of around (provide total number) : 10</p> <ol style="list-style-type: none"> 1. Wulandari LPL, Sawitri AAS, Hermansyah A. The potential roles of pharmacy medication sales data to augment the syndromic surveillance system in response to COVID-19 and preparedness for other future infectious disease outbreaks in Indonesia. <i>Int J Health Plann Manage.</i> 2022 Jan;37(1):30-39. doi: 10.1002/hpm.3356. Epub 2021 Oct 15. PMID: 34655106; PMCID: PMC8653064. 2. Sukorini, A. I. ., Rahayu, T. P. ., Suwito, K. A. ., & Hermansyah, A. . (2022). Iai Special Edition: The potential role of pharmacists in counteracting health misinformation in social media. <i>Pharmacy Education, 22(2)</i>, p. 292–296. https://doi.org/10.46542/pe.2022.222.292296 3. Prasmawari, S., Rahem, A., & Hermansyah, A. (2021). Seminar Inovasi Teknologi dan Digitalisasi Pada Pelayanan Kefarmasian. <i>Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia Special Issue</i>, 31–38. 4. Rijaluddin, M., Utami, W., Othman, Z., Yusuf, E., Puspitasari, H., & Hermansyah, A. (2021). Arti Penting Kepuasan Kerja Bagi Apoteker: Antara Bertahan Atau Keluar Dari Pekerjaan. <i>Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia</i>, 7, 39. https://doi.org/10.20473/jfiki.v7i1SI2020.39-47 5. Alifiyah, F., Sukorini, A. I., & Hermansyah, A. (2021). Respons Masyarakat Kota Surabaya ketika Mengakses Informasi tentang Obat dan Pengobatan dari Media Sosial. <i>Jurnal Farmasi Dan Ilmu</i> 			

	<p>Kefarmasian Indonesia, 7(1SI), 48. https://doi.org/10.20473/jfiki.v7i1si2020.48-54</p> <ol style="list-style-type: none"> 6. Naima, F. U., Sukorini, A. I., & Hermansyah, A. (2021). Identifikasi Faktor Pendukung dan Penghambat Aktivitas Apoteker di Media Sosial dalam Menunjang Praktik Kefarmasian. <i>Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia</i>, 55–62. 7. Sudibyoy, D. G., Anindra, R. P., Gihart, Y. E., Ni’azzah, R. A., Kharisma, N., Pratiwi, S. C., Chelsea, S. D., Sari, R. F., Arista, I., Damayanti, V. M., Azizah, E. W., Poerwantoro, E., Fatmaningrum, H., & Hermansyah, A. (2020). Pengetahuan Ibu Dan Cara Penanganan Demam Pada Anak. <i>Jurnal Farmasi Komunitas</i>, 7(2), 69–76. https://doi.org/10.20473/jfk.v7i2.21808 8. Hermansyah, A. Sainsbury, E., Krass, I., Investigating influences on current community pharmacy practice at micro, meso, and macro levels(Article), <i>Research in Social and Administrative Pharmacy</i>, Volume 13, Issue 4, July 2017, Pages 727-737. 9. Andi Hermansyah, The operation of a research and development (R&D) program and its significance for practice change in community pharmacy, <i>PLOS ONE</i>, 2017 10. Andi Hermansyah, Investigating the Impact of the Universal Healthcare Coverage Program on Community Pharmacy Practice, <i>Health & Social Care in the Community</i>, 2017
Participations in specialist organizations over the past five years	Head Division, Indonesian Pharmacist Association

Name	apt. Yuni Priyandani, S.Si., Sp.FRS.			
Position	Lecturer at Department of Pharmacy Practice (Pharmaceutical Management and Policy)			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Science, SSi, Faculty of Pharmacy, Universitas Airlangga, Indonesia. 1997 • Apothecary, Apt, Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2001 • Hospital Pharmacy Specialist, Sp.FRS., Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2008 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2007	
Research and development projects over the past five years	Project name	Duration	Partners	Funding
	Peningkatan Pengetahuan dan Keterampilan Pengelolaan Obat pada Lansia di Puskesmas Sukawati II Kabupaten Gianyar Propinsi Bali	2022		(RKAT) Universitas Airlangga
	Evaluasi Penggunaan Antibiotika Berdasarkan Metode ATC/DDD pada Pasien Rawat Inap selama Pandemi COVID-19	2022		(RKAT) Universitas Airlangga
	Hubungan Pengetahuan, Lingkungan Fisik dan Dukungan Keluarga terhadap Kepatuhan Minum Obat Pasien Hipertensi Rawat Jalan di Puskesmas Tanggulangin Kabupaten Sidoarjo	2021		(RKAT) Universitas Airlangga
	Dampak Pengobatan Komplementer Dan Alternatif Yang Digunakan Pada Kualitas Hidup Pasien Dengan Diabetes Mellitus Tipe 2	2019		(RKAT) Universitas Airlangga
Cooperation with the industry over the past five years	-			
Patent and protected rights	-			
Publications	A selection of more recent publications from a total of around (provide total number) : 6 1. Priyandani, Y. , Rahem, A., Athiyah, U., Qomaruddin, M. B., & Kuntoro. (2022). Pharmaceutical care model for antituberculosis drug therapy in tuberculosis patients at a primary healthcare centre in			

	<p>Surabaya, East Java, Indonesia. <i>Pharmacy Education</i>, 22(2), 263–266. https://doi.org/10.46542/pe.2022.222.263266</p> <p>2. Zafirah, D. N., Pristianty, L., Rahem, A., & Priyandani, Y. (2022). Relationship between family support and compliance in diabetes mellitus patients. <i>Pharmacy Education</i>, 22(2), 267–269. https://doi.org/10.46542/pe.2022.222.267269</p> <p>3. Nafi', M. I. R., Pratama, I. N., Chairul, B. K., Kuntjoro, E. W. G., Fransiska, A., Paramita, A. P., Octavia, R. T., Cindravani, L. A., Izumi, A. C., Ramadhani, A. D. S., & Priyandani, Y. (2022). Pengetahuan, Sikap, dan Tindakan Mahasiswa dalam Pemakaian Tabir Surya saat Menggunakan Gawai selama Pembelajaran Daring. <i>Jurnal Farmasi Komunitas</i>, 9(1), 25–31. https://doi.org/10.20473/jfk.v9i1.24112</p> <p>4. Assalwa, U., Ningrum, G. P., Tindawati, T. M., Zahro, S., Trisfalia, R. R., Yuliani, A. P., Syarifudin, F., Najah, A. L., Devi, A. S., Irmatiar, F., & Priyandani, Y. (2020). Profil Perilaku Pengelolaan Obat Pada Lansia. <i>Jurnal Farmasi Komunitas</i>, 8(1), 9–14. https://doi.org/10.20473/jfk.v8i1.21916</p> <p>5. Lestari, R. T., Gifanda, L. Z., Kurniasari, E. L., Harwiningrum, R. P., Kelana, A. P. I., Fauziyah, K., Widiasari, S. L., Tiffany, T., Krisimonika, D. I., Salean, D. D. C., & Priyandani, Y. (2020). Perilaku Mahasiswa Terkait Cara Mengatasi Jerawat. <i>Jurnal Farmasi Komunitas</i>, 8(1), 15–19. https://doi.org/10.20473/jfk.v8i1.21922</p> <p>6. Lilik Rosyida, Yuni Priyandani, Arie Sulistyarini, Yunita Nita, 2016, Patient Adherence on Antidiabetic Drug Using Pill Count and MMAS-8 Methods: Study at Kedurus Primary Health Care Center in Surabaya. Abstract Books on The 16th Asian Conference in Clinical Pharmacy, Seoul.</p>
Participations in specialist organizations over the past five years	Member of Indonesian Pharmacist Association

Name	Dr. apt. Abdul Rahem, M.Kes.			
Position	Lecturer at Department of Pharmacy Practice (Pharmaceutical Management and Policy)			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 1992 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 1994 • Master of Public Health Postgraduate Program, Universitas Airlangga, Surabaya, Indonesia. 2001 • Doctor of Medical Sciences Graduate Program, Universitas Airlangga. Indonesia. 2006 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2014	
Research and development projects over the past five years	Project name	Duration	Partners	Funding
	Pendampingan Pengobatan Dan Pencegahan Penularan Tuberculosis Melalui Keluarga Penderita Di Kabupaten Sumenep	2022		(RKAT) Universitas Airlangga
	Hubungan Pengetahuan, Lingkungan Fisik dan Dukungan Keluarga terhadap Kepatuhan Minum Obat Pasien Hipertensi Rawat Jalan di Puskesmas Tanggulangin Kabupaten Sidoarjo	2021		(RKAT) Universitas Airlangga
	INDONESIAN MEDICATION ADHERENCE PROJECT (IMAP) Sinergi metode farmakoekonomi dan data farmakoepidemiologi untuk meningkatkan kepatuhan penggunaan obat pada populasi rentan hipertensi fase large scale trial	2021		(RKAT) Universitas Airlangga
	Konseling Dan Kepatuhan Penderita Hipertensi Dan Diabetes Mellitus Tipe 2	2019		(RKAT) Universitas Airlangga
	Pengaruh Kepatuhan Pengambilan Obat Dan Kendalanya Terhadap Keberhasilan Terpai Bagi Penderita Penyakit Kronis Peserta Bpjs Pada Apotek Rujuk Balik	2019		(RKAT) Universitas Airlangga

	Edukasi Asuhan Kefarmasian Oleh Apoteker Terhadap Kepatuhan Regimen Terapeutik Pada Pasien Tuberkulosis	2018		(RKAT) Universitas Airlangga
	Pengembangan Model Asuhan Kefarmasian Pada Pasien Tuberkulosis Terhadap Perilaku Kepatuhan Minum Obat Antituberkulosis di Puskesmas	2017		(RKAT) Universitas Airlangga
Cooperation with the industry over the past five years	-			
Patent and protected rights	-			
Publications	<p>A selection of more recent publications from a total of around (provide total number): 8</p> <ol style="list-style-type: none"> 1. Priyandani, Y., Rahem, A., Athiyah, U., Qomaruddin, M. B., & Kuntoro. (2022). Pharmaceutical care model for antituberculosis drug therapy in tuberculosis patients at a primary healthcare centre in Surabaya, East Java, Indonesia. <i>Pharmacy Education</i>, 22(2), 263–266. https://doi.org/10.46542/pe.2022.222.263266 2. Zafirah, D. N., Pristianty, L., Rahem, A., & Priyandani, Y. (2022). Relationship between family support and compliance in diabetes mellitus patients. <i>Pharmacy Education</i>, 22(2), 267–269. https://doi.org/10.46542/pe.2022.222.267269 3. Gloria, F., Pristianty, L., & Rahem, A. (2021). Analisis Kolaborasi Apoteker dan Dokter di Puskesmas Surabaya dari Pespektif Dokter. <i>Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia</i>, 8(2), 132. https://doi.org/10.20473/jfiki.v8i22021.132-138 4. Nabila, S. M., Irianti, I. S., Salsabila, S., Hamidah, A., Rahmawati, F., Faizin, M. K., Ninjar, M., Malikhah, I. L., Valentina, S. O., Zafirah, D. N., Beriana, M., Azhari, A. A., & Rahem, A. (2021). Pengaruh Pemberian Edukasi Terhadap Pengetahuan Keluarga Terkait Dagusibu Antibiotik Di Daerah Surabaya Dan Sidoarjo. <i>Jurnal Farmasi Komunitas</i>, 8(2), 38–44. https://doi.org/10.20473/jfk.v8i2.24125 5. Prasmawari, S., Rahem, A., & Hermansyah, A. (2021). Seminar Inovasi Teknologi dan Digitalisasi Pada Pelayanan Kefarmasian. <i>Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia Special Issue</i>, 31–38. 6. & Rahem, A. (2020). Hubungan Usia Dengan Pengetahuan Dan Perilaku Penggunaan Suplemen Pada Mahasiswa Institut Teknologi 			

	<p>Sepuluh Nopember. <i>Jurnal Farmasi Komunitas</i>, 7(1), 1–7. https://doi.org/10.20473/jfk.v7i1.21657</p> <p>7. Umi Athiyah, Abdul Rahem, The Management Profiles Of Antidiabetic Drugs By Diabetes Melitus Patients Of Pandangdia Community Bangkalan, <i>Pharmacy Practice</i>, 2017</p> <p>8. Umi Athiyah, Abdul Rahem, The Management Profiles Of Antidiabetic Drugs By Diabetes Melitus Patients Of Pandangdia Community Bangkalan, <i>Pharmacy Practice</i>, 2017</p>
<p>Participations in specialist organizations over the past five years</p>	<ol style="list-style-type: none"> 1. Board Member of Indonesian Pharmacist Association 2. Head of Halal Center in Universitas Airlangga

Name	Dr. apt. Wahyu Utami, MS.			
Position	Lecturer at Department of Pharmacy Practice (Pharmaceutical Management and Policy)			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 1983 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 1984 • Magister Degree, Universitas Airlangga, Surabaya, Indonesia. 1990 • Doctoral Degree, Universitas Airlangga. Indonesia. 2007 			
Employment	Lecturer	Fakultas Farmasi Universitas Airlangga	1976	
Research and development projects over the past five years	Project name	Duration	Partners	Funding
	Dampak Pengobatan Komplementer Dan Alternatif Yang Digunakan Pada Kualitas Hidup Pasien Dengan Diabetes Mellitus Tipe 2	2019		(RKAT) Universitas Airlangga
	Upaya promosi hidup sehat melalui cara bijak dalam menggunakan Obat dan Obat Tradisional bersama tenaga profesi apoteker pada Ibu-Ibu Tim Penggerak PKK Kabupaten Bojonegoro	2018		(RKAT) Universitas Airlangga
	Studi Etnomedisin: Penggunaan Obat Tradisional Untuk Pengobatan Keluhan Kesehatan yang Dirasakan oleh Masyarakat di Kabupaten Sumenep	2018		(RKAT) Universitas Airlangga
Cooperation with the industry over the past five years	-			
Patent and protected rights	-			
Publications	<p>A selection of more recent publications from a total of around (provide total number): 5</p> <ol style="list-style-type: none"> 1. Qur'ana, A., Tsani, A. A., Judoko, A. L., Ramadhanti, F. F., Suryani, H. A., D.A, M. R., Aulia, N. I., Hanifa, Q., Anggraina, R. D., Salsabila, S., & Utami, W. (2022). Knowledge, Attitude, and Behavior of Using Masks and Hand Sanitizer during the COVID-19 Pandemic in Millennial Generation in East Java. <i>Jurnal Farmasi Komunitas</i>, 9(1), 32–37. 			

	<ol style="list-style-type: none"> 2. Firdaus, F. R., Naima, F. U., Santika, W., Marhaeny, H. D., Pertiwi, E., Anggraeni, N. S., Puspita, B. H., Firmansyah, H. A., Hanif, H., Syahrani, S., Wongso, L., & Utami, W. (2020). Identifikasi Pengetahuan Dan Persepsi Tentang Kontrasepsi Pada Generasi Z Di Surabaya. <i>Jurnal Farmasi Komunitas</i>, 6(2), 60. https://doi.org/10.20473/jfk.v6i2.21850 3. Rijaluddin, M., Utami, W., Othman, Z., Yusuf, E., Puspitasari, H., & Hermansyah, A. (2021). Arti Penting Kepuasan Kerja Bagi Apoteker: Antara Bertahan Atau Keluar Dari Pekerjaan. <i>JURNAL FARMASI DAN ILMU KEFARMASIAN INDONESIA</i>, 7, 39. https://doi.org/10.20473/jfiki.v7i1SI2020.39-47 4. Pemberian Informasi tentang Lama terapi dan konfirmasi informasi obat di puskesmas perlu ditingkatkan, <i>jurnal farmasi dan ilmu kefarmasian Indonesia</i>, 2014 5. Profil Problem Terapi pada obat pasien tuberkulosis di beberapa puskesmas di Surabaya, <i>Jurnal Farmasi Komunitas</i>, 2014
Participations in specialist organizations over the past five years	Member of Indonesian Pharmacist Association

Name	Prof. Dr. apt. Siswandono, M.S.			
Position	Lecturer, Department of Pharmaceutical Sciences (Drug Development)			
Academic Career	<ul style="list-style-type: none"> • Professor in Medicinal Chemistry, Faculty of Pharmacy, Universitas Airlangga, 2004 • Doctor, Dr., MIPA, Medicinal Chemistry, Post Graduate Program, Universitas Airlangga, 1999 • Magister of Science, M.S., Post Graduate Faculty, Universitas Airlangga, 1988 • Apothecary, Apt., Faculty of Pharmacy, Universitas Airlangga, 1979 • Bachelor of Pharmacy, Drs., Faculty of Pharmacy, Universitas Airlangga, 1978 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	1980	
Research and development projects over the last 5 years	Project Name	Duration	Partners	Funding
	Pemodelan Molekul dan Sintesis Senyawa Baru Turunan Pinostrobin dari Temu Kunci (<i>Boesenbergia pandurata</i> Roxb) serta Hubungan Kuantitatif Struktur-Aktivitas Sitotoksiknya terhadap Sel Kanker Payudara	2020		(RKAT) Universitas Airlangga
	Pemodelan Molekul dan Modifikasi Struktur Senyawa Turunan Benzoil-1,3-Dietilurea Tersubstitusi Halogen untuk Menghasilkan Senyawa Antibakteri	2019		(RKAT) Universitas Airlangga
	"Mekanisme Molekuler Senyawa Turunan Benzoilurea Terhadap Hambatan Sinyaling HER2 Secara In Vitro Pada Cell Line Kanker Payudara"	2019		Ministry of Research and Higher Education
	Modifikasi Struktur Turunan Asil Pinostrobin dan Hubungan Kuantitatif-Struktur Aktivitas Analgesik Terhadap Mencit (<i>Mus musculus</i>)	2018		(RKAT) Universitas Airlangga
Industry collaborations over the last 5 years	-			
Patents and proprietary rights	-			

<p>Important publications over the last 5 years</p>	<p>A selection of more recent publications from a total of around (provide total number): 11</p> <ol style="list-style-type: none"> 1. <u>Suko Hardjono</u>, Siswandono, Purwanto, Win Darmanto, 2017, Correlation Between In Silico And In Vitro Results Of 1-(Benzoyloxy)Urea And Its Derivatives As Potential Anti-Cancer Drugs, Journal of Chemistry and Chemical Technology, 2017 registration number 765/26.01.16) 2. Roisah Nawatila, Agnes Nuniek W, Siswandono Siswodihardjo, Dwi Setyawan, Preparation Of Acyclovir-Nicotinamide Cocrystal By Solvent Evaporation Technique With Variation Of Solvent, Asian Journal of Pharmaceutical and Clinical Research, <i>Vol 10, Issue 3, p.283-287, 2017</i> 3. Rahman, F., Winantari, A.N., Setyawan, D., Siswandono, 2017, Comparison study of grinding and slurry method on physicochemical characteristic of acyclovir – Succinic acid cocrystal, Asian Journal of Pharmaceutical and Clinical Research, Volume 10, Issue 3, February 2017, Pages 153-158 4. Agnes Nuniek W, Dwi Setyawan, Siswandono Siswodihardjo, Sundani Nuroso Soewandhi, Cocrystallization Acyclovir-Succinic Acid Using Solvent Evaporation Methods, Asian Journal of Pharmaceutical and Clinical Research, Vol 10, Issue 6, June 2017, p.91-94 5. Ruswanto, Siswandono, Richa M, Tita N, Tresna L., Molecular Docking Of 1-Benzoyl-3-Methylthioureaas Anticancer Candidate And Its Absorption, Distribution And Toxicity Prediction, Journal Of Pharmaceutical Sciences And Research, Vol. 9, Issue 5, 2017, P. 680-684 6. Yudi P, Dwi Setyawan, Siswandono, Formation of ketoprofen-malonic acid cocrystal by solvent evaporation method, Indonesian Journal of Chemistry, 2017 Issue 2, 2017, Pages 161-166 7. Nuzul Wahyunng Diyah, Siswandono, Bambang Tri Purwanto , Synthesis, Molecular Docking and Cytotoxic Activiy of N-Ethyl-N-(Ethylcarbamoyl) Benzamide Derivatives Against MCF-7 Cel Line, <i>January – February 2017 RJPBCS 8(1S) Page No.164-173</i> 8. Siswandono, Tri Widiandani, Suko Hardjono , Docking and Cytotoxicity Test on Human Breast Cancer Cell Line (T47d) of N-(Allylcarbamoithioyl)-3-chlorobenzamide and N-(Allylcarbamoithioyl)-3, 4-dichlorobenzamide, <i>March – April 2017 RJPBCS 8(2) Page No.1910-1914</i> 9. Nurhan, Ahmad & Gani, Maria & Maulana, Saipul & Siswandono, Siswandono & Ardianto, Chrismawan & Khotib, Junaidi. (2021). Molecular Docking Studies for Protein-Targeted Drug Development in SARS-CoV-2. Letters in Drug Design & Discovery. 18. 10.2174/1570180818666210512021619. 10. Diyah, N. W., Nasyanska, A. L., Purwanto, B. T., & Siswandono, S. (2021). Analgesic Activity of Acyl-Salicylic Acid Derivatives And
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	<p>In Silico Docking Study For Their Potency As Cyclooxygenase-2 Inhibitors. Berkala Ilmiah Kimia Farmasi, 7(2), 47–54. https://doi.org/10.20473/bikfar.v7i2.29302</p> <p>11. Razak, R., Siswando, S., & Ekowati, J. . (2022). Synthesis and Activity Test of 1-Allyl-3-(4-tertiary-Butylbenzoyl) Thioureaas a Candidate of an Analgesic Drug. JURNAL FARMASI DAN ILMU KEFARMASIAN INDONESIA, 9(1), 17–23. https://doi.org/10.20473/jfiki.v9i12022.17-23</p>
<p>Participations in specialist organizations over the past five years</p>	<p>Advisory Board Member of Indonesian Pharmacist Association</p>

Name	Dr. apt. Bambang Tri Purwanto, M.Si.			
Position	Lecturer, Department of Pharmaceutical Sciences (Drug Development)			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 1983 • Magister of Pharmacy, Faculty of Pharmacy, Universitas Gajah Mada, Indonesia. 1991 • Doctoral Degree, Post Graduate Program, Universitas Airlangga, 2010 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	1985	
Research and development projects over the last 5 years	Project Name	Duration	Partners	Fundings
	N-Benzoil-Na(4-Fluoro)feniltiurea dan turunannya sebagai kandidat antikanker	2020		(RKAT) Universitas Airlangga
Industry collaborations over the last 5 years	-			
Patents and proprietary rights	-			
Important publications over the last 5 years	<p>A selection of more recent publications from a total of around (provide total number): 8</p> <ol style="list-style-type: none"> 1. Nuzul Wahyunng Diyah, Siswandono, Bambang Tri Purwanto , Synthesis, Molecular Docking and Cytotoxic Activiy of N-Ethyl-N-(Ethylcarbamoyl) Benzamide Derivatives Against MCF-7 Cel Line, <i>January – February 2017 RJPBCS 8(1S) Page No.164-173</i> 2. Suko Hardjono, Tri Widiandani, Bambang T. Purwanto, Anindi L. Nasyanka. Molecular Docking of N-benzoyl-N'-(4-fluorophenyl) thiourea Derivatives as Anticancer Drug Candidate and Their ADMET prediction. <i>Research J. Pharm. and Tech.</i> 2019; 12(5):2160-2166. doi: 10.5958/0974-360X.2019.00359.7 3. Kesuma, Dini & Siswodihardjo, Siswandono & Tri Purwanto, Bambang & Rudyanto, Marcellino. (2020). Synthesis and anticancer evaluation of N-benzoyl-N'-phenyltiourea derivatives against human breast cancer cells (T47D). <i>Journal of Chinese Pharmaceutical Sciences.</i> 29. 123-129. 10.5246/jcps.2020.02.010. 4. Diyah, N. W., Nasyanska, A. L., Purwanto, B. T., & Siswandono, S. (2021). Analgesic Activity of Acyl-Salicylic Acid Derivatives And In Silico Docking Study For Their Potency As Cyclooxygenase-2 Inhibitors. <i>Berkala Ilmiah Kimia Farmasi</i>, 7(2), 47–54. https://doi.org/10.20473/bikfar.v7i2.29302 5. Purwanto, B. T., Siswandono, Kesuma, D., Widiandani, T., & Siswanto, I. (2021). Molecular modeling, admet prediction, synthesis and the cytotoxic activity from the novel n-(4-tert-butylphenylcarbamoyl) benzamide against hela. <i>Rasayan Journal of</i> 			

	<p>Chemistry, 14(2), 1341-1350. https://doi.org/10.31788/RJC.2021.1426196</p> <p>6. Diah, N. W., Isnaeni, Hidayati, S. W., Purwanto, B. T., & Siswandono (2021). Design of gossypetin derivatives based on naturally occurring flavonoid in Hibiscus sabdariffa and the molecular docking as antibacterial agents. Journal of Basic and Clinical Physiology and Pharmacology, 32(4), 707-714. https://doi.org/10.1515/jbcpp-2020-0455</p> <p>7. Salsa Lina Agustin, Tri Widiandani, Suko Hardjono, Bambang Tri Purwanto. QSAR of Acyl pinostrobin derivatives as Anti-breast cancer against HER-2 receptor and their ADMET properties based on in silico Study. Research Journal of Pharmacy and Technology 2022; 15(10):4641-8. doi: 10.52711/0974-360X.2022.00779</p> <p>8. Diah NW, Isnaeni, Hidayati SW, Purwanto BT, Siswandono. Design of gossypetin derivatives based on naturally occurring flavonoid in Hibiscus sabdariffa and the molecular docking as antibacterial agents. J Basic Clin Physiol Pharmacol. 2021 Jun 25;32(4):707-714. doi: 10.1515/jbcpp-2020-0455. PMID: 34214320.</p>
Participations in specialist organizations over the past five years	Member of Indonesian Pharmacist Association

Name	Dr. apt. Nuzul Wahyuning Diyah, M.SI.			
Position	Lecturer, Department of Pharmaceutical Sciences (Drug Development)			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 1990 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 1990 • Master of Science (M.Si), Pharmaceutical Science, Gadjah Mada University, Indonesia • Doctor (Dr.), Pharmaceutical Science, Universitas Airlangga, Indonesia 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	1992	
Research and development projects over the past five years	Project Name	Duration	Partners	Funding
	Pelatihan pemanfaatan suplemen pangan secara tepat guna untuk menjaga dan meningkatkan kesehatan di masa pandemi Covid-19 bagi warga masyarakat Sidoarjo	2021		(RKAT) Universitas Airlangga
	Pemodelan Molekul dan Modifikasi Struktur Senyawa Turunan Benzoil-1,3-Dietilurea Tersubstitusi Halogen untuk Menghasilkan Senyawa Antibakteri	2019		(RKAT) Universitas Airlangga
	Peningkatan Pemberdayaan Kelompok Wanita Tani Desa Wonorejo-Batu Melalui Pelatihan Pembuatan Prociuk Susu Probiotik- Sari Buah Sebagai Minuman Kesehatan	2017		(RKAT) Universitas Airlangga
	Pengembangan Senyawa Turunan Monobenzoil 1, 3-Dietilurea sebagai Antimikroba yang Aktif Terhadap Pseudomonas aeruginosa	2017		(RKAT) Universitas Airlangga
Cooperation with the industry over the past five years	-			
Patent and protected rights	-			
Publications	<p>A selection of more recent publications from a total of around (provide total number): 4</p> <ol style="list-style-type: none"> 1. Ekowati, Juni, Nuzul Wahyuning Diyah, Kholis Amalia Nofianti, Iwan Sahrial Hamid, and Siswandono. 2018. "Molecular Docking of Ferulic Acid Derivatives on P2Y12 Receptor and Their ADMET Prediction." <i>Journal of Mathematical and Fundamental Sciences</i> 50(2):203–19. doi: 10.5614/j.math.fund.sci.2018.50.2.8. 			

	<ol style="list-style-type: none"> 2. Ekowati, Juni, Nuzul W. Diah, and Achmad Syahrani. 2019. "Synthesis and Antiplatelet Activities of Some Derivatives of P-Coumaric Acid." <i>Chemistry and Chemical Technology</i> 13(3):296–302. doi: 10.23939/chcht13.03.296. 3. Diah, N. W., Nasyanska, A. L., Purwanto, B. T., & Siswandono, S. (2021). Analgesic Activity of Acyl-Salicylic Acid Derivatives And In Silico Docking Study For Their Potency As Cyclooxygenase-2 Inhibitors. <i>Berkala Ilmiah Kimia Farmasi</i>, 7(2), 47–54. https://doi.org/10.20473/bikfar.v7i2.29302 4. Diah NW, Isnaeni, Hidayati SW, Purwanto BT, Siswandono. Design of gossypetin derivatives based on naturally occurring flavonoid in Hibiscus sabdariffa and the molecular docking as antibacterial agents. <i>J Basic Clin Physiol Pharmacol</i>. 2021 Jun 25;32(4):707-714. doi: 10.1515/jbcpp-2020-0455. PMID: 34214320.
Participations in specialist organizations over the past five years	Member of Indonesian Pharmacist Association

Name	Prof. Dr. apt. Juni Ekowati, M.Si.			
Position	Lecturer at Department of Phamaceutical Sciences (Drug Development)			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Science, Faculty of Pharmacy, Universitas Airlangga. 1990 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 1990 • Master of Science, Universitas Airlangga, Indonesia. 1997 • Doctoral Degree, Universitas Airlangga, Indonesia. 2012 			
Employment	Lecturer	Fakultas Farmasi Universitas Airlangga	1976	
Research and development projects over the past five years	Project Name	Duration	Partners	Funding
	Turunan Senyawa Khalkon sebagai <i>Novel</i> Antioksidan (Sebuah Upaya Pencegahan Kanker)	2013		(RKAT) Universitas Airlangga
	Pemodelan Molekul dan Modifikasi Struktur Senyawa Baru Turunan 1-Benzoil-1,3-Dietilurea untuk Memperoleh Senyawa Antikanker	2013		Ministry of Research and Higher Education
	Sintesis dan uji aktivitas antibakteri turunan kuinazolin	2014		(RKAT) Universitas Airlangga
	Modifikasi Struktur Senyawa Sinamat Tersubstitusi Dengan Metode Green Chemistry Dalam Upaya Mendapatkan Anti Angiogenesis Baru	2016		BOPTN UNAIR
	The Value of Indonesian herbal Extract as Natural Ingredients and Novel Technologies of Anti-Aging	2016		KLN DITLITABMAS
	Studi Perbandingan Metode Pembuatan Kompleks Inklusi	2016		(RKAT) Universitas Airlangga
	Sintesis dan Uji Aktivasi Turunan Asam Kumarat Sebagai Anti Platelet	2016		(RKAT) Universitas Airlangga
	Evaluasi Proses	2016		Ministry of

	Pembelajaran tentang Mata Kuliah Pilihan dan Sitem Evaluasi untuk Perbaikan Proses Belajar Mengajar			Research and Higher Education
	Rekayasa Struktur Senyawa Fenolik Turunan Sinamat untuk Meningkatkan Aktivasnya sebagai Anti Platelet dan Anti Kanker	2017		Ministry of Research and Higher Education
	Uji Aktivitas Khemopreventif Kanker In Vivo Dari Asam 3-(3-Metoksifenil) Propenoat dan Derivatnya	2018		Hibah Penelitian Unggulan Fakultas
	Evaluasi Mekanisme Khemopreventive Kanker Dan Efek Samping Dari Asam 3-(3-Metoksifenil)Propenoat	2019		Hibah Penelitian Unggulan Fakultas
	Modifikasi Struktur Senyawa Asam Orto-Kumarat	2019		Ministry of Research and Higher Education
	Pemanfaatan Limbah Kulit Bawang Merah sebagai Sumber Senyawa Fenolik dengan Aktivitas Antioksidan dan Antiplatelet	2020		Hibah Penelitian Unggulan Fakultas
	Uji in silico dan Sintesis Derivat Asam Ferulat yang prospektif sebagai anti Covid-19	2021		Hibah Penelitian Unggulan Fakultas
	Konversi Kimia Ekstrak Buah Makasar secara Ammonolisis dan Potensinya sebagai Anti Tuberkulosis	2021		Hibah Penelitian Unggulan Fakultas
Cooperation with the industry over the past five years	-			

Patent and protected rights	-
Publications	<p>A selection of more recent publications from a total of around (provide total number): 13</p> <ol style="list-style-type: none"> 1. Ethyl <i>p</i>-methoxy-cinnamate Isolated from <i>Kaempferia galangal</i> Inhibits Angiogenesis Through Interaction with Tyrosine Kinase, <i>Jurnal Universa Medicina</i>, Vol. 34, No.1, 2015 2. Pengaruh Substituen 2-Metoksi pada Sintesis Turunan 2-Hidroksi-benzohidrazida dengan Iradiasi Gelombang Mikro, <i>Jurnal Berkala Ilmiah Kimia Farmasi (e-jurnal)</i>, Vol. 4, No. 2, 2015 3. Synthesis Ferulic Acid and Its Non Covalent Inclusion with Hydropropyl-β-Cyclodextrin, <i>Scientia Pharmaceutica</i>, 2015 4. Synthesis, Molecular Docking and Anticancer Activity test of Derivatives of <i>p</i>-Methoxycinnamoyl Hydrazyde, <i>Bulletin of the Korean Chemical Society</i>, 2015 5. Sintesis Khalkon dan Derivatnya menurut reaksi kondensasi Claisen Schmidt dengan iradiasi gelombang mikro, <i>Jurnal Farmasi dan Ilmu Kefarmasian Indonesia</i>, Vol. 1, No. 1, 2014 6. Sistesis dan uji In Silico turunan Asam Fenil Propanoat sebagai Anti Platelet, <i>Jurnal Berkala Ilmiah Kimia Farmasi</i>, Vol. 3, No. 2, 2014 7. Synthesis and Brine Shrimp Lethality Test of Some Benzoxa-xine and Aminometil Derivatives, <i>IJPPS</i>, Vol. 6, Issue. 2, 2014 8. Synthesis and Antitumor Activity Evaluation of <i>N,N'</i>-dibenzoyl - <i>N,N'</i>-diethylurea Againsts Human Breast Cancer Cell Line, <i>IJPPS</i>, Vol. 6, Issue. 2, 2014 9. Pengaruh gugus metoksi posisi <i>orto(o)</i> dan <i>para(p)</i> pada benzaldehida terhadap sintesis turunan khalkon dengan metode Kondensasi Aldol, <i>Jurnal Berkala Ilmiah Kimia Farmasi</i>, Vol. 2, No. 1, 2013 10. Aktivitas Antinociceptiv dan Uji In Silico terhadap Cyclooxygenase dari Asam <i>p</i>-metoksisinamat dan Asam <i>m</i>-metoksisinamat, <i>Jurnal Berkala Ilmiah Kimia Farmasi</i>, Vol. 2, No. 1, 2013 11. Achmad Syahrani, Juni Ekowati, 2019. Optimasi Kondisi Sintesis Asam 4-Benzoiloksisinamat Menggunakan Iradiasi Gelombang Mikro. <i>Jurnal Farmasi dan Ilmu Kefarmasian Indonesia</i> (Vol. 6 No. 1) 12. Juni Ekowati, Marcellino Rudyanto, 2020. The Effect of Methyl and Chloro Substituent Compounds in Amida Derivatives Synthesis from <i>p</i>-Metoxycynamic Acid with Microwaves Irradiation. <i>Berkala Ilmiah Kimia Farmasi</i> (Vol. 7 No. 2) 13. Juni Ekowati, 2022. Synthesis and Antiplatelet Activity of 4-Hidroxy-3-Methoxycinnamic Acid. <i>Jurnal Farmasi dan Ilmu Kefarmasian Indonesia</i> (Vol. 9 No. 1).
Participations in specialist	Member of Indonesian Pharmacist Association

organizations over the past five years	
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Name	Prof. Dr. Drs. Achmad Syahrani, MS.			
Position	Lecturer at Department of Pharmaceutical Sciences (Drug Development)			
Academic Career	<ul style="list-style-type: none"> • Doctor, Post Graduate Program, Universitas Airlangga, 1997 • Magister, Post Graduate Faculty, Universitas Airlangga, 1988 • Apothecary, Apt., Faculty of Pharmacy, Universitas Airlangga, 1980 • Bachelor, Faculty of Pharmacy, Universitas Airlangga, 1973 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	1980	
Research and development projects over the last 5 years	Project Name	Duration	Partners	Funding
	Aktivitas Antikanker Beberapa Senyawa Benzoksazin Dan Aminometil Yang Disintesis Dari Eugenol	2015		Ministry of Research and Higher Education
	Sintesis dan Uji Aktivitas Turunan Asam Kumarat sebagai Anti Platelet.	2016		Ministry of Research and Higher Education
	Aktivitas Antikanker Beberapa Senyawa Benzoksazin Dan Aminometil Yang Disintesis Dari Eugenol.	2016		Ministry of Research and Higher Education
	Potensi Daun Cassia spectabilis sebagai Anti-insomnia dari Bahan Alam	2021		Penelitian Unggulan Fakultas (PUF)
Cooperation with the industry over the past five years	-			
Patent and protected rights	-			
Publications	<p>A selection of more recent publications from a total of around (provide total number): 20</p> <ol style="list-style-type: none"> 1 Syahrani, A., Indrayanto, G., Sutarjadi, Wilkins, A., (1997) Bioconversion of Salicylamide by Cell Suspension Cultures of Solanum mammosum, Chemical and Pharmaceutical Bulletin, Japan, 43, 555 – 557. 2 Syahrani, A., Indrayanto G., Sutarjadi, Willkins, A., (1997) Glycosylation of Salicyl alcohol by Cell Suspension Cultures of Solanum mammosum, Natural Product Sciences, 3(1), 71-74 3 Syahrani A., Indrayanto, G., Ivy S, Wilkins, A., (1998) Biotransformation of Salicyl alcohol by Cell Suspension Cultures of Solanum laciniatum, Journal of Asian Natural Products Research -Harwood Academic Publisher, 02/1998; 			

	<p>1(2):111-7. DOI:10.1080/10286029808039852 · 0.91 Impact Factor</p> <p>4 Syahrani A., Indrayanto, G., Evie R., Wilkins, A., (1999) Biotransformation of o- and p-aminobenzoic acids and N-acetyl p-aminobenzoic acid by Cell Suspension Cultures of Solanum mammosum, <i>Phytochemistry</i>, Pergamon,07/1999; 51(5-51):615-620. DOI:10.1016/S0031-9422(99)00112-0 · 2.55 Impact Factor</p> <p>5 Syahrani A., T.S. Panjaitan, G. Indrayanto, A.L. Wilkins (2000) N-Acetylation and N-formylation of m-aminobenzoic acid by cell suspension culture of Solanum laciniatum, <i>Journal of Asian Natural Products Research</i>, Harwood Academic Publisher, 02/2000; 2(4):305-9. DOI:10.1080/10286020008041370 · 0.91 Impact Factor</p> <p>6 Syahrani A., F., Hartuti, G. Indrayanto, A.L. Wilkins (2001) Diglucosylation of salicyl alcohol by cell suspension culture of Solanum laciniatum, <i>Journal of Asian Natural Products Research</i>, Harwood Academic Publisher, 2, 9 – 15.</p> <p>7 Syahrani A., G. Indrayanto, A.L. Wilkins (2001) Biotransformation of m-aminobenzoic acid by suspension cultures of S. laciniatum, <i>Journal of Asian Natural Products Research</i>, Harwood Academic Publisher</p> <p>8 Syahrani A., F. Himmah, T. Palupi, G. Indrayanto, R.Ebel (2005) Glucosylation Of Hydroxyphenols By Plant Cell Suspension Cultures Of Solanum Mammosum , <i>Malaysian Journal of Pharmaceutical Sciences</i></p> <p>9 G. Indrayanto, H. Margalin, E. Ratnasari, A. Syahrani (1999) Densitometric determination of o-aminobenzoic acid, β-D-glucopyranosyl-1-aminobenzoate and O-β-D-glucopyranosyl-(1,6)-O-β-D-glucopyranoyl-1-o-aminobenzoate in cell suspension culture of Solanum mammosum, <i>Journal of Planar Chromatography</i>, Springer, 12, 458-461</p> <p>10 T.S. Panjaitan, A. Syahrani, G. Indrayanto, (2000) Densitometric determination of p-aminobenzoic acid and 7-O-β-D-glucopyranosyl ester in cell suspension culture of Solanum laciniatum, <i>Journal of Planar Chromatography</i>, Springer, 13, 111-118</p> <p>11 Hartanti L., I. Widjaja, A. Syahrani, G. Indrayanto (2002) High Yield formation of o-aminobenzoic acid-7-O-β-D-(β-1,6-D-glucopyranosyl)-glucopyranosyl ester in cell suspension culture of Solanum mammosum, <i>Journal of Asian Natural Products Research</i>, Harwood Academic Publisher,03/2002; 4(1):63-7. DOI:10.1080/ 10286020290019712. 0.91 Impact Factor</p> <p>12 Indrayanto G., Zumaroh S., Syahrani A., A.L. Wilkins (2001) C-27 and C-3 glucosylation of diosgenin by Cell Suspension Cultures of Costus spesiosus. <i>Journal of Asian Natural Products</i></p>
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	<p>Research, Harwood Academic Publisher,03/2001; 3(2):161-8. DOI:10.1080/10286020108041385 · 0.91 Impact Factor</p> <p>13 Surodjo, S., Salim, A.A., Suciati, Syahrani A., Indrayanto, G., Garson, M.J., (2008) Biotransformation Mefenemic Acid by Cell Suspension Cultures of Solanum mammosum, Natural Product Communications, Volume 3, Issue 2, pp. 257 – 262.</p> <p>14 T. Taufikurohmah. I.G.M. Sanjaya, A. Syahrani (2011), Nanogold synthesis using matrix mono glyceryl stearate as antiaging compounds in modern cosmetics. Journal of Materials Science and Engineering A1, ISSN 1934-8959, pp. 857-864</p> <p>15 Titik Taufikurohmah, Dwi Winarni, Afaf Baktir, I Gusti Made Sanjaya, Achmad Syahrani (2013) Histology Study : Pre-Clinic Test of Nanogold in Mus Musculus Skin, at Fribroblast Proliferation and Collagen Biosynthesis, Chemistry and Material Research 01/2013;, ISSN 2224-3224 (Print) ISSN 2225-0956 (online) www.iiste.org, Volume 3 Nomor 5, pp. 55 – 60</p> <p>16 Titik Taufikurohmah, Agoes Soegianto, I Gusti, Made Sanjaya, Afaf Baktir, Achmad Syahrani (2013) Mercury Exposure Effects to Skin Tissue of Mus Musculus at Fibroblasts CellProliferation and Collagen quantity, Research Journal of Pharmaceutical, Biological and Chemical Sciences10/2013; 4(4):60-70.October – Desember 2013; ISSN 0975 8585, Volume 4 Issue 4:pp. 60-70.0.35 Impact Factor</p> <p>17 Titik Taufikurohmah,I. Gusti Made Sanjaya, Afaf Baktir, Achmad Syahrani (2015) Stability of Colloidal Silver Nanoparticles Synthesized with Variance Silver Ions as Antimicrobial in Cosmetic Formulation, Asian Journal of Chemistry 01/2015; 27(4):1525-1528. DOI:10.14233/ajchem.2015.18686 · 0.45 Impact Factor</p> <p>18 Titik Taufikurohmah, Rusmini, I Gusti Made Sanjaya, Afaf Baktir, Achmad Syahrani(2014) Synthesis of Nanogold and Stability Test of This Colloidal as Essential Material in Drug, Supplement and Cosmetics. International Journal of Scienceand Research (IJRS) ISSN Online : 2319-7064. Volume 3 Issue 5, May 2014. Pp 60 – 63. Impact Factor (2012) : 3,358</p> <p>19 Titik Taufikurohmah, I Gusti Made Sanjaya, Afaf Baktir, Achmad Syahrani(2014) TEM Analysis of Gold Nanoparticles Synthesis in Gyicerin: Novel Safety Materials in Cosmetics to Recovery Mercury DamageResearch Journal of Pharmaceutical, Biological and Chemical Sciences 01/2014; 5(1):397-407.0.35 Impact Factor</p> <p>20 Marcellino Rudyanto, Tri Widiandani, Achmad Syahrani(2015) Some Benzoxazine and Aminomethyl Derivatives of Eugenol: Cytotoxicity on MCF-7 Cell Line. International Journal Pharmacy and Pharmaceutical Sciences, Vol 7, No 5, hal , tahun 2015, ISSN 0975-1491</p>
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	<p>21 Achmad Syahrani, Juni Ekowati, 2019. Optimasi Kondisi Sintesis Asam 4-Benzoiloksisinamat Menggunakan Iradiasi Gelombang Mikro. Jurnal Farmasi dan Ilmu Kefarmasian Indonesia (Vol. 6 No. 1).</p> <p>22 Isadiartuti D.;Rosita, Noorma, Syahrani A., Ariyani, Toetik, Pramasari, Nadia (2022). pH Adjustment And Inclusion Complex Formation With Hydroxypropyl-B-Cyclodextrin To Increase P- Methoxycinnamic Acid Solubility. Journal of Chemical Technology and Metallurgy Volume 57, Issue 4, Pages 723 – 729.</p>
<p>Participations in specialist organizations over the past five years</p>	<ol style="list-style-type: none"> 1. Member of Association of Indonesian Pharmacists (IAI) 2. Member of Professional Pharmacist Certification Body (BSPA) 3. Member of Indonesian Chemical Association (HKI) 4. Member of Natural Materials Research Society (PERHIPBA) 5. Member of the Indonesian Association of Natural Products Chemicals 6. Member of Indonesian Clinical Chemistry Association

Name	apt. Marcellino Rudyanto, Drs., M.Si., PhD			
Position	Lecturer at Department of Pharmaceutical Sciences (Pharmaceutical Analysis)			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 1990 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 1991 • Magister of Science, Faculty of Pharmacy, Universitas Airlangga, Indonesia. 1996 • Doctoral Degree of Pharmaceutical Chemistry, Tohoku University, Japan. 2002 			
	Doctor of Philosophy	Tohoku University Japan	2002	
	Master of Science	Fakultas Farmasi Universitas Airlangga	1996	
	Apotechary	Fakultas Farmasi Universitas Airlangga	1991	
	Bachelor of Science	Fakultas Farmasi Universitas Airlangga	1990	
Employment	Lecturer	Fakultas Farmasi Universitas Airlangga	1976	
Research and development projects over the past five years	Project Name	Duration	Partners	Funding
	Aktivasi Anti Kanker Beberapa Senyawa Benzoksazin dan Aminometil yang Disintesis dari Eugenol	2016		Ministry of Research and Higher Education
	Pembuatan Vitamin A dari Minyak Sereh Dapur n(Cymbopogon Citrates) untuk Fortifikasi Minyak Goreng	2016		Ministry of Research and Higher Education
	Evaluasi Proses Pembelajaran tentang Mata Kuliah Pilihan dan Sitem Evaluasi untuk Perbaikan Proses Belajar Mengajar	2016		Ministry of Research and Higher Education
	Uji Aktivitas Antituberkulosis In Vitro Beberapa Senyawa Nitrogen Organik Turunan Eugenol	2018		Hibah Penelitian Unggulan Fakultas

	Nano-Bio-Insektisida dari Limbah Cangkang Mete sebagai Pembasmi Larva Nyamuk Vektor Penyakit Infeksi	2018		Ministry of Research and Higher Education
Cooperation with the industry over the past five years	-			
Patent and protected rights	-			
Publications	<p>A selection of more recent publications from a total of around (provide total number): 8</p> <ol style="list-style-type: none"> 1. Marcellino Rudyanto, Tri Widiandani, Achmad Syahrani. 2015. Benzoxazine and Aminomethyl Derivatives of Eugenol: Cytotoxicity on MCF-7 Cell Line. <i>J. Pharm. Pharm. Sci.</i> 7(5), 229-232. 2. Marcellino Rudyanto, Juni Ekowati, Tri Widiandani, Toshio Honda. 2014. Synthesis and Brine Shrimp Lethality Test of Some Benzoxazine and Aminomethyl Derivatives of Eugenol. <i>J. Pharm. Pharm. Sci.</i> 6(2), 96-98. 3. Marcellino Rudyanto, Koisci Kobayashi, Toshio Honda. 2009. Synthetic Studies on Isocoumarins and Isocarbostyryl Derivatives Having an Alkyl Substituent at the 3-Position: Total Synthesis of Scoparines A and B. <i>Heterocycles</i> 79, 753-764. 4. Marcellino Rudyanto, Yuichiro Tomizawa, Hiroshi Morita, Toshio Honda. 2008. First Total Synthesis of Cassiarin A. <i>Organic Letters</i> 10, 1921-1922. 5. Shiori Oshimi, Yuichiro Tomizawa, Yusuke Hirasawa, Toshio Honda, Wiwied Ekasari, Aty Widyawaruyanti, Marcellino Rudyanto, Gunawan Indrayanto, Noor Cholies Zaini, Hiroshi Morita. 2008. Chrobisiamone A, a New Bischromone from Cassia siamea and a Biomimetic Transformation of 5-Acetyl-7-hydroxy-2-methylchromone into Cassiarin A. <i>Med. Chem. Lett.</i> 18, 3761-3763. 6. Marcellino Rudyanto, Natsuko Kagawa, Masahiro Toyota, Masataka Ihara, 2002. A Concise Synthesis of A Potential Key Intermediate for 12-Epi-Mycalamide A. <i>Heterocycles</i> 58, 655-658. 7. Masahiro Toyota, Marcellino Rudyanto, Masatakan Ihara. 2002. Some Aspects of Palladium-Catalyzed Cycloalkenylation: Developments of Environmentally Benign Catalytic Conditions and Demonstration of Tandem Cycloalkenylation. <i>Org. Chem.</i> 67, 3347-3386. 8. Masahiro Toyota, Marcellino Rudyanto, Masatakan Ihara. 2000. Application of palladium-catalyzed cycloalkenylation reaction to terpenoid synthesis – novel approach to tricyclo[5.3.1.0^{2,6}]-undecane derivative and its transformation into tricyclo[5.3.1]undecane ring system.. <i>Tetrahedron Lett.</i> 41, 8929-8932 			

Participations in specialist organizations over the past five years	Member of Indonesian Pharmacist Association
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Name	Prof. Dr. apt. Retno Sari, M.Sc.			
Position	Lecturer, Departement of Pharmaceutical Scieces (Drug Delivery System)			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 1988 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 1989 • Magister of Pharmaceutical Science, Hoshi University, Japan. 1994 • Doctoral Degree of Pharmaceutical Science Universitas Airlangga, Indonesia. 2015 			
Employment	Position	Employer	Period	
	Lecturer	Faculty of Pharmacy Universitas Airlangga	1989-present	
Research and development projects over the last 5 years	Project Name	Duration	Partners	Funding
	"Pengembangan Nanopartikel Esktrak Pegagan (Centella asiatica L.) – Kitosan sebagai Agen Imunomodulator"	2022		(RKAT) Universitas Airlangga
	Penentuan Faktor-Faktor yang Mempengaruhi Proses Reduksi Ukuran Obat Menggunakan Wet Ball Milling dan Stabilitas Nanosuspensi Obat Berdasarkan Design of Experiment	2021		(RKAT) Universitas Airlangga
	Pengembangan formula dan karakterisasi sediaan Film Kitosan-Aloe Vera sebagai Wound Dressing	2021		(RKAT) Universitas Airlangga
	Peningkatan kompetensi Apoteker sebagai tenaga kesehatan yang profesional dalam penanganan sediaan steril di fasilitas kesehatan di Lampung	2021		(RKAT) Universitas Airlangga
	Pengembangan sistem misel andrografolida dengan polimer Polylactic-co glycolic acid sebagai upaya peningkatan kelarutan : Formulasi, preparasi dan karakterisasi	2020		(RKAT) Universitas Airlangga
	Upaya Pencegahan Infeksi (COVID 19) Melalui Peningkatan Pengetahuan Petugas Kebersihan tentang Penggunaan Disinfektan	2020		(RKAT) Universitas Airlangga

yang Aman			
Pengembangan Tablet Multi Unit Pellet System (MUPS) : Ko-proses Ekspien MCC-Polyol sebagai Cushioning Agent Tablet MUPS dan Pengaruh Desain Punch terhadap Efisiensi Proses Tabletasi MUPS	2020		(RKAT) Universitas Airlangga
Pengembangan Sediaan Spray Gel Kombinasi Kitosan-Aloe Vera sebagai Wound Healing (Uji Stabilitas dan Uji Iritabilitas)	2019		(RKAT) Universitas Airlangga
Peningkatan Kompetensi Apoteker Sebagai Tenaga Kesehatan Yang Profesional Dalam Penanganan Sediaan Steril Di Pelayanan Kesehatan Di Pontianak dan Sekitarnya	2019		(RKAT) Universitas Airlangga
"Pengembangan Sistem Dispersi Padat Andrografolida Dengan Matriks Kitosan Dan Derivat Kitosan Sebagai Obat Antimalaria Dengan Teknologi Pelarutan–Semprot Kering (Karakterisasi, Uji Kelarutan Dan Uji Disolusi In Vitro) "	2019		Ministry of Research and Higher Education
Pengembangan Kitosan Dengan Kombinasi Bahan Antibakteri Alam sebagai Sediaan Wound Healing (uji antibakteri dan uji wound healing)	2018		Ministry of Research and Higher Education
Pengembangan Sistem Dispersi Padat Andrografolida Dengan Matriks Kitosan Dan Derivat Kitosan Sebagai Obat Antimalaria Dengan Teknologi Pelarutan–Semprot Kering (Karakterisasi, Uji Kelarutan Dan Uji Disolusi In Vitro)	2018		Ministry of Research and Higher Education
Pengembangan Kitosan Dengan Kombinasi Bahan Antibakteri Alam Sebagai Sediaan Wound Healing	2017		(RKAT) Universitas Airlangga

Industry collaborations over the last 5 years	-
Patents and proprietary rights	-
Important publications over the last 5 years	<p>A selection of more recent publications from a total of around (provide total number): 9</p> <ol style="list-style-type: none"> 1. Cahyani, Devy Maulidya, Andang Miatmoko, Berlian Sarasitha Hariawan, Kusuma Eko Purwantari, and Retno Sari. 2021. “N-Nitrosodiethylamine Induces in FI Ammation of Liver in Mice.” <i>J Basic Clin Physiol Pharmacol</i> 32(4):505–10. 2. Miatmoko, Andang, Berlian S. Hariawan, Devy M. Cahyani, Retno Sari, Aristika Dinaryanti, and Eryk Hendrianto. 2021. “The Effect of Chitosan Addition on Cellular Uptake and Cytotoxicity of Ursolic Acid Niosomes.” <i>Anais Da Academia Brasileira de Ciencias</i> 93(3). doi: 10.1590/0001-3765202120201850. 3. Miatmoko, Andang, Ira Nurjannah, Nuril Fadilatul Nehru, Noorma Rosita, Esti Hendradi, Retno Sari, and Juni Ekowati. 2021. “Interactions of Primaquine and Chloroquine with PEGylated Phosphatidylcholine Liposomes.” <i>Scientific Reports</i> 11(1):1–12. doi: 10.1038/s41598-021-91866-0. 4. Miatmoko, Andang, Shofi Ameliah Safitri, Fayruz Aquila, Devy Maulidya Cahyani, Hariawan, Berlian Sarasitha, Eryk Hendrianto, Esti Hendradi, and Retno Sari. 2021. “Characterization and Distribution of Niosomes Containing Ursolic Acid Coated with Chitosan Layer.” <i>Research in Pharmaceutical Sciences</i> 16(December):660–73. doi: 10.4103/1735-5362.327512. 5. Miatmoko A, Mianing EA, Sari R, Hendradi E. Nanoparticles use for Delivering Ursolic Acid in Cancer Therapy: A Scoping Review. <i>Front Pharmacol</i>. 2021 Dec 24;12:787226. doi: 10.3389/fphar.2021.787226. PMID: 35002719; PMCID: PMC8740088. 6. Retnowati D, Sari R, Hendradi E, Septiani S. The stability and irritability study of the chitosan-Aloe vera spray gel as wound healing. <i>J Basic Clin Physiol Pharmacol</i>. 2021 Jun 25;32(4):651-656. doi: 10.1515/jbcpp-2020-0407. PMID: 34214357. 7. Rijal MAS, Masitah H, Purvitasari F, Sari R. The effect of chitosan type and drug-chitosan ratio on physical characteristics and release profile of ketoprofen microparticles prepared by spray drying. <i>J Basic Clin Physiol</i>

	<p>Pharmacol. 2021 Jun 25;32(4):669-673. doi: 10.1515/jbcpp-2020-0487. PMID: 34214367.</p> <p>8. Miatmoko, Andang, Amelia Anneke Faradisa, Achmad Aziz Jauhari, Berlian Sarasitha Hariawan, Devy Maulidya Cahyani, Hani Plumeriastuti, Retno Sari, and Esti Hendradi. 2022. “The Effectiveness of Ursolic Acid Niosomes with Chitosan Coating for Prevention of Liver Damage in Mice Induced by N-Nitrosodiethylamine.” <i>Scientific Reports</i> 12(1):1–13. doi: 10.1038/s41598-022-26085-2.</p> <p>9. Yusuf H, Novitasari EKDD, Purnami NLW, Mahbub AW, Sari R, Setyawan D. Formulation Design and Cell Cytotoxicity of Curcumin-Loaded Liposomal Solid Gels for Anti-Hepatitis C Virus. <i>Adv Pharmacol Pharm Sci.</i> 2022 Mar 7;2022:3336837. doi: 10.1155/2022/3336837. PMID: 35295681; PMCID: PMC8920649.</p>
<p>Participations in specialist organizations over the past five years</p>	<ol style="list-style-type: none"> 1. Member of Indonesian Pharmacist Association 2. Member of Masyarakat Nanoteknologi Indonesia

Name	Dr. apt. Dewi Isadiartuti, M.Si.			
Position	Lecturer, Department of Pharmaceutical Science (Drug Delivery System)			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 1989 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 1990 • Magister of Science, Pharmacy, Universitas Gadjah Mada, Yogyakarta, Indonesia. 1998 • Doctoral Degree of Pharmaceutics, Universitas Airlangga, Indonesia. 2015 			
Employment	Position	Employer	Period	
	Lecturer	Faculty of Pharmacy Universitas Airlangga	1991-present	
Research and development projects over the last 5 years	Project name	Duration	Partner	Funding
	Pengembangan Sediaan Tablet Sublingual Asam p-Metoksisinamat (APMS) Dalam Kompleks Inklusi dengan Bahan Pembentuk Kompleks Hidroksipropil-B-siklodekstrin	2022		(RKAT) Universitas Airlangga
	Pendidikan Pola Hidup Sehat di Masa Pandemi Covid 19 dalam Upaya Menjaga Kesehatan Siswa SMPN 1 Magetan	2022		(RKAT) Universitas Airlangga
	Pengembangan formula dan karakterisasi sediaan Film Kitosan-Aloe Vera sebagai Wound Dressing	2021		(RKAT) Universitas Airlangga
	Upaya Hilirisasi Produk Kosmetika	2021		(RKAT) Universitas Airlangga
	Pembentukan Kompleks Inklusi Asam Parametoksisinamat dengan Hidroksipropil-B-siklodekstrin yang dibuat dengan metode co-grinding	2020		(RKAT) Universitas Airlangga
	Upaya Pencegahan Infeksi (COVID 19) Melalui Peningkatan Pengetahuan Petugas Kebersihan tentang Penggunaan Disinfektan yang Aman	2020		(RKAT) Universitas Airlangga
	Pembentukan Kompleks Inklusi Asam Para-Metoksisinamat (APMS)- β -Siklodekstrin dengan Metode Co-Grinding	2019		(RKAT) Universitas Airlangga

	Peningkatan Kompetensi Apoteker Sebagai Tenaga Kesehatan Yang Profesional Dalam Penanganan Sediaan Steril Di Pelayanan Kesehatan Di Pontianak dan Sekitarnya	2019		(RKAT) Universitas Airlangga
	"Peningkatan Kelarutan Asam Para-Metoksisinamat (Apms) Dengan Senyawa Pembentuk Kompleks Inklusi Siklodekstrin"	2018		Ministry of Research and Higher Education
	Stabilitas Asam Para-Metoksisinamat (APMS) dalam kompleks Inklusi dengan β -siklodekstrin dalam berbagai pH Larutan Dapar	2018		(RKAT) Universitas Airlangga
	"Edukasi Tehnik Aseptik Sediaan Steril Bagi Tenaga Kesehatan Di Fasilitas Pelayanan Kesehatan Kabupaten Sumba Timur NTT"	2018		(RKAT) Universitas Airlangga
	Peningkatan Kelarutan Asam Para-Metoksisinamat (APMS) dengan Senyawa Pembentuk Kompleks Inklusi Siklodekstrin	2017		Ministry of Research and Higher Education
Industry collaborations over the last 5 years	-			
Patents and proprietary rights	-			
Important publications over the last 5 years	<p>A selection of more recent publications from a total of around (provide total number): 6</p> <ol style="list-style-type: none"> 1. Juni Ekowati, Retno Widowati and Dewi Isadiartuti, Preparation of An Inclusion Complex System Of Ethyl P-Methoxycinnamate - Hydroxypropyl-β-Cyclodextrin: Characterization and Solubility Evaluation. <i>January – February 2017 RJPBCS 8(1) Page No. 1486-1494</i> 2. Setyawan D, Dewi MY, Isadiartuti D. Ternary solid dispersion to improve solubility and dissolution of meloxicam. <i>J Basic Clin Physiol Pharmacol.</i> 2019 Dec 14;30(6):j/jbcpp.2019.30.issue-6/jbcpp-2019-0244/jbcpp-2019-0244.xml. doi: 10.1515/jbcpp-2019-0244. PMID: 31837255. 3. Wijiani N, Isadiartuti D, Rijal MAS, Yusuf H. Characterization and Dissolution Study of Micellar Curcumin-Spray Dried Powder for Oral 			

	<p>Delivery. Int J Nanomedicine. 2020;15:1787-1796 https://doi.org/10.2147/IJN.S245050</p> <p>4. Isadiartuti D, Rosita N, Ekowati J, Syahrani A, Ariyani T, Rifqi MA. The thermodynamic study of p-methoxycinnamic acid inclusion complex formation, using β-cyclodextrin and hydroxypropyl-β-cyclodextrin. J Basic Clin Physiol Pharmacol. 2021 Jun 25;32(4):663-667. doi: 10.1515/jbcpp-2021-0008. PMID: 34214343.</p> <p>5. Aniek Setiya Budiadin, Nily Su'aida, Azisia Insanya Lamakluang, Silda Sabila Rahma, Bambang Subakti Zulkarnain, Dewi Isadiartuti. Effect of Glutaraldehyde Concentration Variation on Diclofenac Sodium Scaffolds as Cross-Linking Agent. Research Journal of Pharmacy and Technology. 2022; 15(11):4974-0. doi: 10.52711/0974-360X.2022.00836</p> <p>6. Isadiartuti, D., Rosita, N., Syahrani, A., Ariyani, T., & Pramasari, N. (2022). pH Adjustment and Inclusion Complex Formation with Hydroxypropyl-B-Cyclodextrin to Increase P- Methoxycinnamic Acid Solubility. Journal of Chemical Technology and Metallurgy, 57(4), 723-729.</p>
Activities in specialist bodies over the last 5 years	Member of Indonesian Pharmacist Association

Name	Prof. apt. Dra. Esti Hendradi, M.Si.,Ph.D			
Post	Lecturer, Department of Pharmaceutical Sciences (Drug Delivery System)			
Academic Career	Doctor of Philosophy	Pharmaceutics, School of Pharmacy, Hoshi University, Tokyo-Japan		2004
	Magister Science	Faculty of Pharmacy, Gadjah Mada University- Indonesia		1995
	Apothecary	Department of Pharmaceutics, Faculty of Pharmacy, Universitas Airlangga, Indonesia		1985
	Bachelor of Science	Department of Pharmaceutics, Faculty of Pharmacy, Universitas Airlangga, Indonesia		1984
Employment	Position	Employer	Period	
	Lecturer	Faculty of Pharmacy Universitas Airlangga	1987-present	
Research and development projects over the last 5 years	Project Name	Duration	Partners	Funding
	Mikroenkapsulasi Lactobacillus Plantarum FNCC 0020 Dengan Matriks Alginat-Gelatin dan Aktivitas Antibakteri Terhadap Multidrug- Resistant Organism (MDRO)	2022		(RKAT) Universitas Airlangga
	Formulasi liposom dengan fosfolipid yang berbeda untuk hantaran doxorubicin	2021		(RKAT) Universitas Airlangga
	Peran serta PKK dalam rangka meningkatkan pengetahuan masyarakat tentang obat	2020		(RKAT) Universitas Airlangga
	Pengembangan Sediaan Spray Gel Kombinasi Kitosan-Aloe Vera sebagai Wound Healing (Uji Stabilitas dan Uji Iritabilitas)	2019		(RKAT) Universitas Airlangga
	Peningkatan Peran Kader PKK Kota Surabaya Di Wilayah Kota Surabaya Dalam Upaya Peningkatan Derajat Kesehatan Keluarga Dan Masyarakat Melalui Pengenalan Dan Penggunaan Obat Yang Efektif Dan Aman	2019		(RKAT) Universitas Airlangga

	Optimasi Sediaan Mikrosfer Nasal Spray Berbahan Aktif Protein Bovine Serum Albumin (BSA) Sebagai Model Vaksin dengan Alginat Sebagai Pembawa	2017		(RKAT) Universitas Airlangga
Industry collaborations over the last 5 years	-			
Patents and proprietary rights	Komposisi dan Proses Pembuatan Cangkang Kapsul Keras Transparan dari Karaginan Maltodekstrin			
Important publications over the last 5 years	<p>A selection of more recent publications from a total of around (provide total number): 10</p> <ol style="list-style-type: none"> 1. Dewi Melani Hariyadi, Esti Hendradi, Noorma Rosita, Tutiek Purwanti, Tristiana Erawati, Milhatul, Sisielia. 2017, Hubungan Pengetahuan Diabetes serta Lotion Foot Care untuk Pencegahan Komplikasi Diabetes Melitus dengan Kadar Glukosa Darah Penderita dan Pemahaman Masyarakat Banyuurip Jaya Surabaya, <i>Jurnal Ilmu Kefarmasian Indonesia</i>, 2017 2. Yulia Anggraeni, Isnaeni, Esti Hendradi, 2017, Physical, chemical characteristics and release rate of meloxicam from nanostructured lipid carriers (nlc) system using some concentration ratios of monostearin and alpha tocopherol acetate lipid matrix, <i>Asian Journal of Pharmaceutical and Clinical Research</i>, 10(2), 132-137. 3. Esti Hendradi, Dewi Melani Hariyadi, M Faris Adrianto, 2017, The Effect Of Different Cross Link Agent Glutaraldehyde And Genipin In Composites To The Physicochemical Characteristics And The Release Of Ciprofloxacin Implant, <i>Research In Pharmaceutical Sciences</i> 4. Dewi Melani Hariyadi, Esti Hendradi, Idha Kusumawati, fauzia Azzahra, 2017, Histopathology Study of Alginate Microspheres Containing Ovalbumin on Liver and Kidney Following Oral Administration and Evaluation of Uptake by Peyer Patches, <i>Turkish Journal of Pharmaceutical Sciences</i>, 14(3), 5. Putranti AR, Primahrinastiti R, Hendradi E., 2017, Effectivity and physicochemical stability of nanostructured lipid carrier coenzyme Q10 in different ratio of lipid cetyl palmitate and alpha tocopheryl acetate as carrier, <i>Asian Journal of Pharmaceutical and Clinical Research</i>, Volume 10, Issue 2, February 2017, Pages 146-152. 6. Retno Sari, Widji Soeratri, Esti Hendradi, Particulate Delivery System Of Chitosan - Diterpene Lactone Fraction Of Sambiloto (<i>Andrographis Paniculata</i> Nees): Preparation And Characterization, <i>Asian Journal of Pharmaceutical and Clinical Research</i>, Volume 10, June 2017 7. Rosita, Noorma, Qurrotu A'yunin, and Esti Hendradi. 2019. "Karakter Solid Lipid Nano Particle (SLN) – Ubiquinon (Q10) 			

	<p>Dengan Beda Jenis Kosurfaktan: Poloxamer 188, Lesitin, Propilen Glikol.” Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia 6(1):17. doi: 10.20473/jfiki.v6i12019.17-24.</p> <p>8. Hendradi, Esti, Isnaeni, and Arya Putra Damari. 2020. “Inhibitory Activity Of Roselle Flower (Hibiscus Sabdariffa L .) Aqueous Extract - Sodium Alginate Gel Against Staphylococcus Aureus ATCC 25923.” Berkala Ilmiah Kimia Farmasi 7(2):40–46.</p> <p>9. Fridayanti, A, Purwanto, DA & Hendradi, E 2022, 'Preliminary Phytochemical Screening and GC-MS Analysis of Ethanol Extract of Bulbs of Eleutherine sp.', Tropical Journal of Natural Product Research, vol. 6, no. 3, pp. 361-364. https://doi.org/10.26538/tjnpr/v6i3.10</p>
<p>Participations in specialist organizations over the past five years</p>	<p>Member of Indonesian Pharmacist Association</p>

Name	Prof. Dr. apt. Dwi Setyawan, S.Si., M.Si.			
Position	Lecturer, Departement of Pharmaceutical Sciences (Drug Delivery System)			
Academic Career	<ul style="list-style-type: none"> • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 1995 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 1996 • Magister of Science, Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2002 • Doctoral Degree Pharmaceutics, Sekolah Farmasi, Institut Teknologi Bandung. 2012 			
Employment	Position	Employer	Period	
	Lecturer	Faculty of Pharmacy Universitas Airlangga	1997-present	
Research and development projects over the last 5 years	Project name	Duration	Partners	Funding
	"Kokristal Quersetin Dengan Koformer - Asam Malonat Dan Asam Suksinat sebagai Upaya Peningkatan Laju Disolusi Invitro Dan In Vivo "	2018		Ministry of Research and Higher Education
	Pengelolaan obat-obatan rumah tangga menuju kawasan sadar obat di dusun kepetingan, desa Sawohan, Kabupaten Sidoarjo	2018		(RKAT) Universitas Airlangga
	"Rekayasa Bahan Aktif Farmasi Loratadin Menggunakan Teknik Kokristalisasi"	2019		Ministry of Research and Higher Education
	Pembentukan Kompleks Inklusi Asam Parametoksisinamat dengan Hidroksipropil-B-siklodekstrin yang dibuat dengan metode co-grinding	2020		(RKAT) Universitas Airlangga
	"Rekayasa Kristal Asam Parametoksi Sinamat (APMS) Dengan Metode Kokristalisasi Penguapan Pelarut"	2022		Ministry of Research and Higher Education
Industry collaborations over the last 5 years	Advisors, PT Novapharin			
Patent and proprietary rights	-			
Important publications	A selection of more recent publications from a total of around (provide total number): 14			

<p>over the last 5 years</p>	<ol style="list-style-type: none"> 1. Roisah Nawatila, Agnes Nuniek W, Siswandono Siswodihardjo, Dwi Setyawan, Preparation Of Acyclovir-Nicotinamide Cocrystal By Solvent Evaporation Technique With Variation Of Solvent, <i>Asian Journal of Pharmaceutical and Clinical Research</i>, Vol 10, Issue 3, p.283-287,2017 2. Dwi Setyawan, Ahmad Fadhil A, Dayanara Juwita, Helmy Yusuf, Retno Sari1, 2017, Enhancement Of Solubility And Dissolution Rate Of Quercetin With Solid Dispersion System Formation Using HPMC Matrix, <i>Thai Journal Of Pharmaceutical Sciences</i>. 3. Sukma Adhi Permata, Ahmad Zainul, Maria Lucia.A.D. Lestari, Dwi Setyawan, Quercetin- Malonic Acid Cocrystal : Preparation And Physicochemical Characterization, <i>Pakistan Journal of Pharmaceutical Sciences</i>, 2017 4. Retno Sari, Aty Widyawaruyanti, Franciscus B. Tedy Anindita, Sinta Kusuma Astuti, Dwi Setyawan, 2017, Development of andrographolide – carboxymethyl chitosan nanoparticles: characterization, in vitro release and in vivo antimalarial activity study, <i>Turkish Journal of Pharmaceutical Sciences</i>, 5. Dwi Setyawan, Indah Pudji O., Rizka Farizka, Retno Sari, Physicochemical Characterization And In Vitro Dissolution Test Of Quercetin-Succinic Acid Co-Crystal Prepared By Solvent Evaporation, <i>Turkish Journal of Pharmaceutical Sciences 14(3), Desember 2017</i>. 6. Helmy Yusuf, Raditya Nugraheni, Nur Aini Mulyadi, Dwi Setyawan, Noorma Rosita, 2017, Phase Behavior of Dried – DDA Liposomal Formulation Dispersed in HPMC Matrix in the presence of Saccharides, <i>International Journal of PharmTech Research</i>, 2017, Vol10(1), 50-56 7. Helmy Yusuf, Raditya Nugraheni, Nur Aini Mulyadi, Dwi Setyawan, Noorma Rosita, 2017, Phase Behavior of Dried – DDA Liposomal Formulation Dispersed in HPMC Matrix in the presence of Saccharides, <i>International Journal of PharmTech Research</i>, 2017, Vol10(1), 50-56 8. Rahman, F., Winantari, A.N., Setyawan, D., Siswandono, 2017, Comparison study of grinding and slurry method on physicochemical characteristic of acyclovir – Succinic acid cocrystal, <i>Asian Journal of Pharmaceutical and Clinical Research</i>, Volume 10, Issue 3, February 2017, Pages 153-158 9. Agnes Nuniek W, Dwi Setyawan, Siswandono Siswodihardjo, Sundani Nurono Soewandhi, Cocrystallization Acyclovir-Succinic Acid Using Solvent Evaporation Methods, <i>Asian Journal of Pharmaceutical and Clinical Research</i>, Vol 10, Issue 6, June 2017, p.91-94 10. Yudi P, Dwi Setyawan, Siswandono, Formation of ketoprofen-malonic acid cocrystal by solvent evaporation method, <i>Indonesian Journal of Chemistry</i>, 2017 Issue 2, 2017, Pages 161-166 11. Aty Widyawaruyanti, Deri Astrianto, Hilkatul Ilmi, Lidya Tumewu, Dwi Setyawan, Endang Widiastuti, Lilis Dachliyati, Indah S Tantular, and Achmad Fuad Hafid, Antimalarial activity and survival time of <i>Andrographis Paniculata</i> Fraction (AS202-01) on <i>Plasmodium Berghei</i>
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	<p>Infected Mice, <i>January – February 2017 RJPBCS 8(1S) Page No. 49-54</i></p> <p>12. Wicaksono, Yudi, Lusiana Oktora Ruma Kumala Sari, Biru Putri Ayu Istiqomah, Shofiatul Izzah Al Amaliyah, and Dwi Setyawan. 2022. "Evaluation of Analgesic Activity and Acute Toxicity of Ketoprofen-Nicotinamide Multicomponent Solids." <i>Pharmaceutical Sciences Asia</i> 49(3):257–64. doi: 10.29090/psa.2022.03.22.013.</p> <p>13. Yusuf H, Novitasari EKDD, Purnami NLW, Mahbub AW, Sari R, Setyawan D. Formulation Design and Cell Cytotoxicity of Curcumin-Loaded Liposomal Solid Gels for Anti-Hepatitis C Virus. <i>Adv Pharmacol Pharm Sci</i>. 2022 Mar 7;2022:3336837. doi: 10.1155/2022/3336837. PMID: 35295681; PMCID: PMC8920649.</p> <p>14. Wicaksono, Y., Al Amaliyah, S. I. ., Rahmayanti, F. ., Rosidi, V. A. ., Winarti, L. ., & Setyawan, D. . (2022). Preparation and Evaluation of Antihypercholesterolemic Activity of Atorvastatin Calcium-Maleic Acid Co-Amorphous Solids. <i>Science and Technology Indonesia</i>, 7(2), 202–207. https://doi.org/10.26554/sti.2022.7.2.202-207</p>
<p>Participations in specialist organizations over the past five years</p>	<p>Member of Indonesian Pharmacist Association</p>

Name	Dr. apt. Muh. Agus Syamsur Rijal, S.Si, M.Si.			
Post	Lecturer, Department of Pharmaceutical Sciences (Drug Delivery System)			
Academic Career	Magister Program Studi Farmasi	Institut Teknologi Bandung, Bandung, Indonesia		2005
	Profesi Apoteker	Fakultas Farmasi Universitas Airlangga, Surabaya, Indonesia		1995
	S1 Sarjana Pendidikan Apoteker	Fakultas Farmasi Universitas Airlangga, Surabaya, Indonesia		1994
Employment	Position	Employers	Period	
	Lecturer	Faculty of Pharmacy Universitas Airlangga	1995-present	
Research and development projects over the last 5 years	Project name	Duration	Partnes	Funding
	Studi In Vitro Pelepasan Obat Dan Uji Sitotoksisitas Hesperitin dalam Sistem Misel Kombinasi Poloxamer-Tpgs sebagai Pengembangan Nanokarier Antikanker	2022		(RKAT) Universitas Airlangga
	Studi Ambilan Selular Niosom Asam Ursolat dengan Pelapisan Kitosan secara in vitro	2020		(RKAT) Universitas Airlangga
	Upaya Pencegahan Infeksi (COVID 19) Melalui Peningkatan Pengetahuan Petugas Kebersihan tentang Penggunaan Disinfektan yang Aman	2020		(RKAT) Universitas Airlangga
	Pengembangan Sistem Misel Kombinasi Poloxamer-TPGS sebagai Nanokarier untuk Senyawa Antikanker Bahan Alam	2019		(RKAT) Universitas Airlangga
	Peningkatan Kompetensi Apoteker Sebagai Tenaga Kesehatan Yang Profesional Dalam Penanganan Sediaan Steril Di Pelayanan Kesehatan Di Pontianak dan Sekitarnya	2019		(RKAT) Universitas Airlangga
	Industry collaborations over the last 5 years	-		
Patent and proprietary rights	-			

<p>Important publications over the last 5 years</p>	<p>Total Publications: 4</p> <ol style="list-style-type: none"> 1. Wijiani N, Isadiartuti D, Rijal MAS, Yusuf H. Characterization and Dissolution Study of Micellar Curcumin-Spray Dried Powder for Oral Delivery. <i>Int J Nanomedicine</i>. 2020;15:1787-1796 https://doi.org/10.2147/IJN.S245050 2. Yusuf, Helmy, Rizka Arifa Rahmawati, M. Agus Syamsur Rijal, and Dewi Isadiartuti. 2021. "Curcumin Micelles Entrapped in Eudragit S-100 Matrix: A Synergistic Strategy for Enhanced Oral Delivery." <i>Future Science OA</i> 7(4). doi: 10.2144/fsoa-2020-0131. 3. Yusuf H, Wijiani N, Rahmawati RA, Primaharinastiti R, Rijal MAS, Isadiartuti D. Analytical method for the determination of curcumin entrapped in polymeric micellar powder using HPLC. <i>J Basic Clin Physiol Pharmacol</i>. 2021 Jun 25;32(4):867-873. doi: 10.1515/jbcpp-2020-0491. PMID: 34214361. 4. Rijal MAS, Masitah H, Purvitasari F, Sari R. The effect of chitosan type and drug-chitosan ratio on physical characteristics and release profile of ketoprofen microparticles prepared by spray drying. <i>J Basic Clin Physiol Pharmacol</i>. 2021 Jun 25;32(4):669-673. doi: 10.1515/jbcpp-2020-0487. PMID: 34214367.
<p>Participations in specialist organizations over the past five years</p>	<p>Member of Indonesian Pharmacist Association</p>

Name	Prof. apt. Dewi Melani Hariyadi, S.Si.,M.Phil.,Ph.D				
Position	Lecturer, Department of Pharmaceutical Sciences (Drug Delivery System)				
Academic Career	Doctor of Philosophy	Pharmaceutics, School of Pharmacy, The University of Queensland, Brisbane Australia		2012	
	Master of Philosophy	Pharmaceutics, School of Pharmacy, The University of Queensland, Brisbane Australia		2008	
	Apothecary	Department of Pharmaceutics, Faculty of Pharmacy, Universitas Airlangga, Indonesia		2001	
	Bachelor of Science	Department of Pharmaceutics, Faculty of Pharmacy, Universitas Airlangga, Indonesia		2000	
Employment	Position	Employer	Period		
	Lecturer	Faculty of Pharmacy Universitas Airlangga	2002-present		
Research and development projects over the last 5 years	Project Name		Duration	Partners	Funding
	Karakterisasi Dry Powder Inhaler Quercetin Berbasis Solid Lipid Mikropartikel Sebagai Sistem Penghantaran Paru		2022		Ministry of Research and Higher Education
	Karakteristik dan Uji Aktivitas Imunomodulator (IgM) Mikrosfer Quersetin dengan Matriks Kombinasi Natrium Alginat-Kitosan yang dibuat dengan Metode Gelasi Ionik Teknik Aerosolisasi		2021		(RKAT) Universitas Airlangga
	Studi Ambilan Selular Niosom Asam Ursolat dengan Pelapisan Kitosan secara in vitro		2020		(RKAT) Universitas Airlangga
	Peran serta PKK dalam rangka meningkatkan pengetahuan masyarakat tentang obat		2020		(RKAT) Universitas Airlangga
	"Eksplorasi Potensi Ekstrak Kelapa Kopyor (Cocos nucifera L.) sebagai Obat Antimikroba dan Kosmetik"		2019		Ministry of Research and Higher Education
	"Potential Development of Inhaled Carragenanbased Microspheres for Pulmonary Drug Delivery"		2019		Ministry of Research and Higher Education

	Formulasi dan Karakteristik Fisik Produk Gel Virgin Coconut Oil (VCO) Kelapa Kopyor (Cocos Nucifera Linn.) sebagai Obat Anti Jerawat: Pengaruh Konsentrasi VCO dan Gelling Agent Carbopol	2019		(RKAT) Universitas Airlangga
	Potensi Ekstrak Tanduk Rusa dalam Memperkuat Tulang Rawan Akibat Osteoarthritis	2019		(RKAT) Universitas Airlangga
	Development Of Alginate-Based Microspheres For Lung Delivery In Cystic Fibrosis	2018		Ministry of Research and Higher Education
	Karakterisasi Ekstrak Kelapa Kopyor (Cocos nucifera L.) dan Studi Awal sebagai Bahan Obat dan Kosmetik	2018		(RKAT) Universitas Airlangga
	Pengembangan Mikrosfer Eritropoetin-Alginat sebagai Neuroprotektan dan Potensinya pada Pasien Kanker dengan Anemia	2017		Ministry of Research and Higher Education
	Development of Alginate-Based Microspheres for Lung Delivery in Cystic Fibrosis	2017		Ministry of Research and Higher Education
Industry collaborations over the last 5 years	-			
Patents and proprietary rights	-			
Important publications over the last 5 years	<p>Total Publications: 9</p> <ol style="list-style-type: none"> Dewi Melani Hariyadi, Esti Hendradi, Noorma Rosita, Tutiek Purwanti, Tristiana Erawati, Milhatul, Sisielia. 2017, Hubungan Pengetahuan Diabetes serta Lotion Foot Care untuk Pencegahan Komplikasi Diabetes Melitus dengan Kadar Glukosa Darah Penderita dan Pemahaman Masyarakat Banyuurip Jaya Surabaya, <i>Jurnal Ilmu Kefarmasian Indonesia</i>, 2017 Esti Hendradi, Dewi Melani Hariyadi, M Faris Adrianto, 2017, The Effect Of Different Cross Link Agent Glutaraldehyde And Genipin In Composites To The Physicochemical Characteristics And The Release Of Ciprofloxacin Implant, <i>Research In Pharmaceutical Sciences</i> 			

	<ol style="list-style-type: none"> 3. Dewi Melani Hariyadi, Esti Hendradi, Idha Kusumawati, fauzia Azzahra, 2017, Histopathology Study of Alginate Microspheres Containing Ovalbumin on Liver and Kidney Following Oral Administration and Evaluation of Uptake by Peyer Patches, <i>Turkish Journal of Pharmaceutical Sciences</i>, 14(3), 4. Noorma Rosita, Dewi Melani Haryadi, Tristiana Erawati, Rossa Patria Nanda, Widji Soeratri, 2017, Photostability Study On Character And Antioxidant Activity Of Tomato Extract (Solanum Lycopersicum L.) In Nanostructured Lipid Carrier (Nlc) And Conventional Cream, <i>International Journal of Drug Delivery Technology</i>, Vol7 (1), 71-74 5. Tutiek Purwanti, Dewi Melani Hariyadi, Corry Silvia, Characterization And Release Of Ibuprofen In Proniosome System (Ibuprofen-Span 60-Cholesterol, <i>International Journal of Drug Delivery Technology</i>, 2017 6. Kalalo, T. ., Miatmoko, A. ., Tanojo, H. ., Erawati, T. ., Hariyadi, D. M. ., & Rosita, N. (2022). Effect of Sodium Alginate Concentration on Characteristics, Stability and Drug Release of Inhalation Quercetin Microspheres. <i>Jurnal Farmasi dan Ilmu Kefarmasian Indonesia</i>, 9(2), 107–114. https://doi.org/10.20473/jfiki.v9i22022.107-114 7. Rosita N, Ambarwati N, Erawati T, Hariyadi DM. Characterization and in vitro release of inhalation quercetin solid lipid microparticles: Effect of lipid. <i>J Adv Pharm Technol Res</i>. 2022 Jan-Mar;13(1):11-17. doi: 10.4103/japtr.japtr_263_21. Epub 2022 Jan 21. PMID: 35223435; PMCID: PMC8820350. 8. Erawati, T., Agustin, E. D., Meldaviati, G., Rohmah, N. N., Purwanti, T., Miatmoko, A., Hendradi, E., Rosita, N., & Hariyadi, D. M. (2022). Effect of Peppermint Oil on the Characteristics and Physical Stability of Nanostructured Lipid Carrier-CoQ10. <i>Tropical Journal of Natural Product Research</i>, 6(3), 303-307. https://doi.org/10.26538/tjnpr/v6i3.3 9. Dewi Melani Hariyadi, Noorma Rosita, Isnaeni, Sisunandar Sudarma, Deavisca Rezania. Virgin Coconut Oil Emulgel: Effect of VCO and Carbopol 940 Concentration on Characterization and Antibacterial Activity. <i>Research Journal of Pharmacy and Technology</i>. 2022; 15(5):2087-2. doi: 10.52711/0974-360X.2022.00345
Participations in specialist organizations over the past five years	<ol style="list-style-type: none"> 1. Member of Indonesian Pharmacist Association 2. Director of LPPOM, MUI (Assesment Unit for Food and Drugs, Indonesian Ulama Council)

Name	Dr.rer.nat. apt. Maria Lucia Ardhani DL, M.PharmSci			
Position	Lecturer, Department of Pharmaceutical Sciences (Drug Delivery System)			
Academic Career	Doctor Pharmaceutical Science	Freie Universitat Berlin, Germany	2014	
	Master Pharmaceutcal Science	Monash University Australia	2009	
	Profesi Apoteker	Fakultas Farmasi Universitas Airlangga, Surabaya, Indonesia	2002	
	S1 Sarjana Pendidikan Apoteker	Fakultas Farmasi Universitas Airlangga, Surabaya, Indonesia	2001	
Employment	Position	Employer	Period	
	Lecturer	Faculty of Pharmacy Universitas Airlangga	2005-present	
Research and development projects over the last 5 years	Project Name	Duration	Partners	Funding
	Pengaruh Kombinasi Bulking Agent Hidrofilik- Hidrofobik Terhadap Disolusi dan Mutu Fisik Tablet Nanosuspensi Pengeringan Beku Hesperetin dan Tablet Nanosuspensi Pengeringan Beku Ibuprofen	2022		(RKAT) Universitas Airlangga
	Penentuan Faktor-Faktor yang Mempengaruhi Proses Reduksi Ukuran Obat Menggunakan Wet Ball Milling dan Stabilitas Nanosuspensi Obat Berdasarkan Design of Experiment	2021		(RKAT) Universitas Airlangga
	Pengembangan sistem misel andrografolida dengan polimer Polylactic-co glycolic acid sebagai upaya peningkatan kelarutan : Formulasi, preparasi dan karakterisasi	2020		(RKAT) Universitas Airlangga
	Pengembangan Tablet Multi Unit Pellet System (MUPS) : Ko-proses Eksipien MCC-Polyol sebagai Cushioning Agent Tablet MUPS dan Pengaruh Desain Punch terhadap Efisiensi Proses Tabletasi MUPS	2020		(RKAT) Universitas Airlangga

	Pengembangan Sistem Misel Kombinasi Poloxamer-TPGS sebagai Nanokarier untuk Senyawa Antikanker Bahan Alam	2019		(RKAT) Universitas Airlangga
	Komparasi Low Shear Dan Fluid Bed Granulation untuk Solidifikasi Nanosuspensi Hesperetin Poloxamer 188 Terhadap Mutu Fisik Granul dan Tablet	2019		(RKAT) Universitas Airlangga
	"Solidifikasi Nanosuspensi Obat Dari Bahan Alam Sukar Larut Menggunakan Teknik Granulasi Basah dan Teknik Beads Layering. Model Bahan Alam Hesperetin"	2019		Ministry of Research and Higher Education
	Karakterisasi dan Uji Pelepasan Nanokristal Hiperetin Sebagai Model Bahan Alam Hasil Rekayasa Teknologi Nanokristal Untuk Pengembangan Formulasi Sediaan Lepas Lambat	2018		(RKAT) Universitas Airlangga
	Rekayasa Bahan Alam Sukar Larut dengan Teknologi Nanokristal untuk Pengembangan Formulasi Sediaan Lepas Lambat (Model Bahan Alam : Kurkumin dan Hesperetin)	2017		Ministry of Research and Higher Education
Industry collaborations over the last 5 years	-			
Patents and proprietary rights	-			
Important publications over the last 5 years	Total Publications: 7 1. Sukma Adhi Permata, Ahmad Zainul, Maria Lucia.A.D. Lestari , Dwi Setyawan, Quercetin- Malonic Acid Cocrystal : Preparation And Physicochemical Characterization, Pakistan Journal of Pharmaceutical Sciences, 2017			

	<ol style="list-style-type: none"> 2. Sandjaja M, Maria Ardhani L, Investigation of effect of adding hydrophobically modified water soluble polymers on the structure and viscosity of anionic vesicle dispersion, Indonesian Journal of Chemistry, Volume 17, Issue 1, 2017, Pages 86-94 3. Athiyah, U., Kusuma, P. A., Tutik, T., Lestari, M. L. A. D., Isadiartuti, D., Paramita, D. P., & Setyawan, D. (2018). Crystal Engineering of Quercetin by Liquid Assisted Grinding Method. Jurnal Teknologi, 81(1). https://doi.org/10.11113/jt.v81.12639 4. Sholihat, Shobbu & Indahyanti, Ellya & Lestari, Maria & Ningsih, Zubaidah. (2020). Preparation of Curcumin Nanoemulsion in Soybean Oil – Tween 80 System by Wet Ball Milling Method. IOP Conference Series: Materials Science and Engineering. 833. 012044. 10.1088/1757-899X/833/1/012044. 5. Hakim, L., Mardiana, D., Rokhiyah, U., Lestari, M. L. A. D., & Ningsih, Z. . (2021). Structure and Dynamics of Curcumin Encapsulated Lecithin Micelles: A Molecular Dynamics Simulation Study. Science and Technology Indonesia, 6(3), 113–120. https://doi.org/10.26554/sti.2021.6.3.113-120 6. Gani MA, Budiatin AS, Lestari MLAD, Rantam FA, Ardianto C, Khotib J. Fabrication and Characterization of Submicron-Scale Bovine Hydroxyapatite: A Top-Down Approach for a Natural Biomaterial. Materials (Basel). 2022 Mar 21;15(6):2324. doi: 10.3390/ma15062324. PMID: 35329775; PMCID: PMC8953508. 7. Nizado, N. M., Alimin, D. F., & Lestari, M. L. A. D. (2022). Synthesis and characterization of dual-responsive poly(N-vinylcaprolactam-co-N-methylolacrylamide) nanogels. Designed Monomers and Polymers, 25(1), 155-164. https://doi.org/10.1080/15685551.2022.2086412
Activities in specialist bodies over the last 5 years	Member of Indonesian Pharmacist Association

Name	Helmy Yusuf, S.Si.,M.Sc.,Ph.D			
Position	Lecturer, Department of Pharmaceutical Sciences (Drug Delivery System)			
Academic Career	Doctor Pharmacy	Queen's University Belfast, United Kingdom	2013	
	Master	Medical Pharmaceutical Sciences University of Groningen, Groningen, Netherlands	2008	
	Profesi Apoteker	Fakultas Farmasi Universitas Airlangga, Surabaya, Indonesia	2003	
	S1 Sarjana Pendidikan Apoteker	Fakultas Farmasi Universitas Airlangga, Surabaya, Indonesia	2003	
Employment	Position	Employer	Period	
	Lecturer	Faculty of Pharmacy Universitas Airlangga	2003-present	
Research and development projects over the past five years	Project Name	Duration	Partners	Funding
	Pelatihan Penguatan Literasi Ilmiah Bahan Kimia Pangan Kepada Produsen dan Pedagang Ikan di Sentra Ikan Bulak Surabaya	2022		(RKAT) Universitas Airlangga
	Strategi Pembentukan Dispersi Solida Menggunakan CoProcessing Bahan Obat Alam Kurkumin Dengan Surfaktan Untuk Pembuatan Film Orodispersable	2022		Ministry of Research and Higher Education
	Pembentukan Kompleks Inklusi Asam Parametoksisinamat dengan Hidroksipropil-B-siklodekstrin yang dibuat dengan metode co-grinding	2020		(RKAT) Universitas Airlangga
	Pengelolaan obat-obatan rumah tangga menuju kawasan sadar obat di dusun kepetingan, desa Sawohan, Kabupaten Sidoarjo	2020		(RKAT) Universitas Airlangga
	Pengembangan Tablet Multi Unit Pellet System (MUPS) : Ko-proses Ekspien MCC-Polyol sebagai Cushioning Agent Tablet MUPS dan Pengaruh Desain Punch terhadap Efisiensi Proses Tabletasi MUPS	2020		Ministry of Research and Higher Education
	Aplikasi Teknologi Micellar Nanoparticle dan Spray Dried	2019		Ministry of Research and

	Dispersions Untuk Peningkatan Performa Kerja Obat Bahan Alam Flavonoid (Kurkumin dan Rutin) Dalam Sediaan Tablet Sublingual dan Kapsul			Higher Education
	"Formulasi Vaksin Dengan Ovalbumin Sebagai Model Antigen Menggunakan Teknologi Liposom Kering Dalam Bentuk Sediaan Tablet Sublingual"	2018		Ministry of Research and Higher Education
	Formulasi Vaksin dengan Ovalbumin sebagai Model Antigen Menggunakan Teknologi Liposom Kering dalam Bentuk Sediaan Tablet Sublingual	2017		Ministry of Research and Higher Education
Cooperation with the industry over the past five years	-			
Patent and protected rights	-			
Important publications over the last 5 years	<p>Total Publications: 10</p> <ol style="list-style-type: none"> 1. Current prospects and future challenges for nasal vaccine delivery, <i>Journal of Human Vaccines and Immunotherapeutics</i>, Vol.13(1),34-45, year 2017 2. Dwi Setyawan, Ahmad Fadhil A, Dayanara Juwita, Helmy Yusuf, Retno Sari, 2017, Enhancement Of Solubility And Dissolution Rate Of Quercetin With Solid Dispersion System Formation Using HPMC Matrix, <i>Thai Journal Of Pharmaceutical Sciences</i>. 3. Helmy Yusuf, Raditya Nugraheni, Nur Aini Mulyadi, Dwi Setyawan, Noorma Rosita, 2017, Phase Behavior of Dried – DDA Liposomal Formulation Dispersed in HPMC Matrix in the presence of Saccharides, <i>International Journal of PharmTech Research</i>, 2017, Vol10(1), 50-56 4. Gusti, A.W.R., Widiyanti, P. , Yusuf, Helmy, Synthesis and characterization of bacterial cellulose - <i>Garcinia mangostana</i> extract as anti breast cancer biofilm candidate, <i>Journal of Biomimetics, Biomaterials and Biomedical Engineering</i> Volume 30, 2017, Pages 76-85 5. Helmy Yusuf, Ahlam A. Ali, Natalie Orr, Helen O. McCarthy, Vicky L. Kett, Novel freeze-dried DDA and TPGS liposomes are suitable for nasal delivery of vaccine, <i>International Journal of Pharmaceutics</i> Available online 6 September 2017 			

	<ol style="list-style-type: none"> 6. Nugraheni RW, Mulyadi NA, Yusuf H. Freeze-Dried Liposome Formulation for Small Molecules, Nucleic Acid, and Protein Delivery. <i>SRP</i>. 2020; 11(7): 143-151. doi:10.31838/srp.2020.7.23 7. Kusumawati, I., Mahatmaputra, S., Hadi, R., Rohmania, R., Rullyansyah, S., Yusuf, H., & Rahman, A. (2021). Aphrodisiac Activity of Ethanolic Extracts from the Fruits of Three Pepper Plants from Piperaceae Family. <i>Jurnal Farmasi dan Ilmu Kefarmasian Indonesia</i>, 8(2), 194–199. https://doi.org/10.20473/jfiki.v8i22021.194-199 8. Yusuf H, Wijiani N, Rahmawati RA, Primaharinastiti R, Rijal MAS, Isadiartuti D. Analytical method for the determination of curcumin entrapped in polymeric micellar powder using HPLC. <i>J Basic Clin Physiol Pharmacol</i>. 2021 Jun 25;32(4):867-873. doi: 10.1515/jbcpp-2020-0491. PMID: 34214361. 9. Yusuf H, Rahmawati RA, Syamsur Rijal MA, Isadiartuti D. Curcumin micelles entrapped in eudragit S-100 matrix: a synergistic strategy for enhanced oral delivery. <i>Future Sci OA</i>. 2021 Jan 18;7(4):FSO677. doi: 10.2144/fsoa-2020-0131. PMID: 33815823; PMCID: PMC8015669. 10. Yusuf H, Novitasari EKDD, Purnami NLW, Mahbub AW, Sari R, Setyawan D. Formulation Design and Cell Cytotoxicity of Curcumin-Loaded Liposomal Solid Gels for Anti-Hepatitis C Virus. <i>Adv Pharmacol Pharm Sci</i>. 2022 Mar 7;2022:3336837. doi: 10.1155/2022/3336837. PMID: 35295681; PMCID: PMC8920649.
Participations in specialist organizations over the past five years	Member of Indonesian Pharmacist Association

Name	apt. Andang Miatmoko, S.Farm., M.Pharm., Sci.			
Position	Lecturer, Department of Pharmaceutical Sciences (Drug Delivery System)			
Academic Career	Master Pharmaceutical Science	Hoshi University, Shinagawa, Japan		2014
	Profesi Apoteker	Fakultas Farmasi Universitas Airlangga, Surabaya, Indonesia		2008
	S1 Sarjana Pendidikan Apoteker	Fakultas Farmasi Universitas Airlangga, Surabaya, Indonesia		2007
Employment	Position	Employer	Period	
	Lecturer	Faculty of Pharmacy Universitas Airlangga	2008-present	
Research and development projects over the last 5 years	Project Name	Duration	Partners	Funding
	Hantaran Niosom Asam Ursolat dengan Modifikasi Kitosan Guna Kemoterapi Oral	2022		Ministry of Research and Higher Education
	"Farmasi Dissolving Microneedle Patch for Delivery of Amniotic Mesenchymal Stem Cells Metabolite Products as An Antiaging Product"	2022	UK	Ministry of Research and Higher Education
	Formulasi liposom dengan fosfolipid yang berbeda untuk hantaran doxorubicin	2021		Ministry of Research and Higher Education
	Studi Ambilan Selular Niosom Asam Ursolat dengan Pelapisan Kitosan secara in vitro	2020		(RKAT) Universitas Airlangga
	Peningkatan Pengetahuan Dan Pengelolaan Obat Dalam Keluarga Bagi Ibu-Ibu PKK di Kelurahan Karah, Kota Surabaya	2020		(RKAT) Universitas Airlangga
	"Pengembangan dan uji biodistribusi kombinasi obat primakuin dan klorokuin yang dienkapsulasi dalam stealth liposome guna penanganan infeksi malaria fase hepatic"	2019		Ministry of Research and Higher Education
	Cerdas Dan Bijak Terhadap Iklan Obat di Televisi serta Peningkatan Pengetahuan Masyarakat tentang Peran Apoteker Melalui Komik dan	2019		(RKAT) Universitas Airlangga

	Simulasi Dagusibu bagi Siswa Sdn Keputih-245 Dan Smpn 19 Klampis-Ngasem, Kecamatan Sukolilo Surabaya Jawa Timur			
	Pengembangan Dan Uji Biodistribusi Kombinasi Obat Primakuin Dan Klorokuin Yang Dienkapsulasi Dalam Stealth Liposome Guna Penanganan Infeksi Malaria Fase Hepatik	2018		Ministry of Research and Higher Education
Industry collaborations over the last 5 years	-			
Patents and proprietary rights	-			
Important publications over the last 5 years	<p>Total Publications: 14</p> <ol style="list-style-type: none"> 1. Onishi, H., Fukasawa, A., Miatmoko, A., Kawano, K., Ikeuchi-Takahashi, Y., Hattori, Y., Preparation of chondroitin sulfate-adipic acid dihydrazide-doxorubicin conjugate and its antitumour characteristics against LLC cells, <i>Journal of Drug Targeting</i> 17 May 2017, Pages 1-7. 2. Kalalo, T., Miatmoko, A., Tanojo, H., Erawati, T., Hariyadi, D. M., & Rosita, N. (2022). Effect of Sodium Alginate Concentration on Characteristics, Stability and Drug Release of Inhalation Quercetin Microspheres. <i>JURNAL FARMASI DAN ILMU KEFARMASIAN INDONESIA</i>, 9(2), 107–114. https://doi.org/10.20473/jfiki.v9i22022.107-114 3. Erawati, T., Agustin, E. D., Meldaviati, G., Rohmah, N. N., Purwanti, T., Miatmoko, A., Hendradi, E., Rosita, N., & Hariyadi, D. M. (2022). Effect of Peppermint Oil on the Characteristics and Physical Stability of Nanostructured Lipid Carrier-CoQ10. <i>Tropical Journal of Natural Product Research</i>, 6(3), 303-307. https://doi.org/10.26538/tjnpr/v6i3.3 4. Cahyani, Devy Maulidya, Andang Miatmoko, Berlian Sarasitha Hariawan, Kusuma Eko Purwantari, and Retno Sari. 2021. “N-Nitrosodiethylamine Induces in Fl Ammation of Liver in Mice.” <i>J Basic Clin Physiol Pharmacol</i> 32(4):505–10. 5. Miatmoko, Andang, Qurrota Ayunin, and Widji Soeratri. 2021. “Ultradeformable Vesicles: Concepts and Applications Relating to the Delivery of Skin Cosmetics.” <i>Therapeutic Delivery</i> 12:739–56. doi: 10.4155/tde-2021-0044. 			

6. **Miatmoko, Andang**, Amelia Anneke Faradisa, Achmad Aziz Jauhari, Berlian Sarasitha Hariawan, Devy Maulidya Cahyani, Hani Plumeriastuti, Retno Sari, and Esti Hendradi. 2022. "The Effectiveness of Ursolic Acid Niosomes with Chitosan Coating for Prevention of Liver Damage in Mice Induced by N-Nitrosodiethylamine." *Scientific Reports* 12(1):1–13. doi: 10.1038/s41598-022-26085-2.
7. **Miatmoko, Andang**, Berlian S. Hariawan, Devy M. Cahyani, Retno Sari, Aristika Dinaryanti, and Eryk Hendrianto. 2021. "The Effect of Chitosan Addition on Cellular Uptake and Cytotoxicity of Ursolic Acid Niosomes." *Anais Da Academia Brasileira de Ciencias* 93(3). doi: 10.1590/0001-3765202120201850.
8. **Miatmoko, Andang**, Kumi Kawano, Hitomi Yoda, Etsuo Yonemochi, and Yoshiyuki Hattori. 2017. "Tumor Delivery of Liposomal Doxorubicin Prepared with Poly-L-Glutamic Acid as a Drug-Trapping Agent." *Journal of Liposome Research* 27(2):99–107. doi: 10.3109/08982104.2016.1166511.
9. **Miatmoko, Andang**, Ira Nurjannah, Nuril Fadilatul Nehru, Noorma Rosita, Esti Hendradi, Retno Sari, and Juni Ekowati. 2021. "Interactions of Primaquine and Chloroquine with PEGylated Phosphatidylcholine Liposomes." *Scientific Reports* 11(1):1–12. doi: 10.1038/s41598-021-91866-0.
10. **Miatmoko, Andang**, Shofi Ameliah Safitri, Fayruz Aquila, Devy Maulidya Cahyani, Hariawan, Berlian Sarasitha, Eryk Hendrianto, Esti Hendradi, and Retno Sari. 2021. "Characterization and Distribution of Niosomes Containing Ursolic Acid Coated with Chitosan Layer." *Research in Pharmaceutical Sciences* 16(December):660–73. doi: 10.4103/1735-5362.327512.
11. **Miatmoko, Andang**, Ricky Hartono Salim, Siti Maria Zahro, Febri Annuryanti, Retno Sari, and Esti Hendradi. 2019. "Dual Loading of Primaquine and Chloroquine into Liposome." *European Pharmaceutical Journal* 66(2):18–25. doi: 10.2478/afpuc-2019-0009.
12. Purwati, Budiono, Brian Eka Rachman, Yulistiani, **Andang Miatmoko**, Nasronudin, Soroy Lardo, Yongki Iswandi Purnama, Mafidhatul Laely, Ike Rochmad, Taufik Ismail, Sri Wulandari, Dwi Setyawan, Alfian Nur Rosyid, Herley Windo Setiawan, Prastuti Asta Wulaningrum, Tri Pudy Asmarawati, Erika Marfiani, Shinta Karina Yuniati, Muhammad Rabiul Fuadi, Pepy Dwi Endraswari, Purwaningsih, Eryk Hendrianto, Deya Karsari, Aristika Dinaryanti, Nora Ertanti, Igo Syaiful Ihsan, Disca Sandyakala Purnama, and

	<p>Yuni Indrayani. 2021. “A Randomized, Double-Blind, Multicenter Clinical Study Comparing the Efficacy and Safety of a Drug Combination of Lopinavir/Ritonavir-Azithromycin, Lopinavir/Ritonavir-Doxycycline, and Azithromycin-Hydroxychloroquine for Patients Diagnosed with Mild to Mo.” <i>Biochemistry Research International</i> 2021. doi: 10.1155/2021/6685921.</p> <p>13. Purwati, Andang Miatmoko, Nasronudin, Eryk Hendrianto, Deya Karsari, Aristika Dinaryanti, Nora Ertanti, Igo Syaiful Ihsan, Disca Sandyakala Purnama, Tri Pudy Asmarawati, Erika Marfiani, Yulistiani, Alfian Nur Rosyid, Prastuti Asta Wulaningrum, Herley Windo Setiawan, Imam Siswanto, and Ni Nyoman Tri Puspaningsih. 2021. “An in Vitro Study of Dual Drug Combinations of Anti-Viral Agents, Antibiotics, and/or Hydroxychloroquine against the SARS-CoV-2 Virus Isolated from Hospitalized Patients in Surabaya, Indonesia.” <i>PLoS ONE</i> 16(6 June):1–27. doi: 10.1371/journal.pone.0252302.</p> <p>14. Rosita, Noorma, Vinta Arnike Meitasari, Mirna Candra Rianti, Dewi Melani Hariyadi, and Andang Miatmoko. 2019. “Enhancing Skin Penetration of Epigallocatechin Gallate by Modifying Partition Coefficient Using Reverse Micelle Method.” <i>Therapeutic Delivery</i> 10(7):409–17. doi: 10.4155/tde-2019-0015.</p>
<p>Participations in specialist organizations over the past five years</p>	<p>Member of Indonesian Pharmacist Association</p>

Name	Prof. Dr. apt. Widji Soeratri, DEA.			
Position	Lecturer, Departement of Pharmaceutical Sciences (Cosmetic)			
Academic Career	Diploma in Cosmetic Sciences	London, Society of Cosmetic Sciences		1998
	Doctor Programme	Doctor de Troisieme Cycle, Faculte de Pharmacie Montpellier I, France		1985
	Magister Programme	Diplome d'Etude Approfondie, DEA, Faculte de Pharmacie de Universite de Montpellier I, France		1982
	Apothecary Professional Programme	Faculty of Pharmacy, Universitas Airlangga, Indonesia,		1977
	Bachelor of Science	Faculty of Pharmacy, Universitas Airlangga		1976
Employment	Position	Employer	Period	
	Lecturer	Faculty of Pharmacy Universitas Airlangga	1977-present	
Research and development projects over the last 5 years	Project Name	Duration	Partners	Funding
	Peningkatan Pengetahuan Dan Pengelolaan Obat Dalam Keluarga Bagi Ibu-Ibu PKK di Kelurahan Karah, Kota Surabaya	2020		(RKAT) Universitas Airlangga
	Optimasi Formula NLC-CoQ10 dengan matrik kombinasi oleum cacao-beeswax dan Virgin Coconut Oil serta penambahan enhancer essential oil (Rosemary oil dan Pippermint oil)	2020		(RKAT) Universitas Airlangga
Industry collaborations over the last 5 years	-			
Patents and proprietary rights	-			
Important publications over the last 5 years	Total Publications: 15 1. The effect of combination of eudragit L type and S type on the physical and chemical polymer properties, Research Journal of Pharmaceutical, Biological, and Chemical Sciences, 2017, Vol 8, Issue 1. (Penulis ke 2 dari 2 Penulis) 2. Noorma Rosita, Dewi Melani Haryadi, Tristiana Erawati, Rossa Patria Nanda, Widji Soeratri , 2017, Photostability Study On Character And Antioxidant Activity Of Tomato Extract (Solanum Lycopersicum L.) In Nanostructured Lipid Carrier (Nlc) And Conventional Cream, <i>International Journal of Drug Delivery Technology</i> , Vol7 (1), 71-74			

3. Fenita Shoviantari, Tristiana Erawati, **Widji Soeratri**, 2017, Skin Penetration of Coenzyme Q10 in Nanostructure Lipid Carriers Using Olive Oil and Cetyl Palmitate, *International Journal of Pharmaceutical and Clinical Research*, 9(2), p.142-145
4. Deapsari F, Erawati T M, **Soeratri W**, 2017, Penetration of Ubiquinone (Q10) Nanoemulsion Using Olive Oil Through Rat Skin, *International Journal of Pharmaceutical and Clinical Research*, 9(2), p.169-172
5. Tristiana Erawati M, Retnowati, Amalia Wardatul F, **Widji Soeratri**, 2017, Virgin Coconut Oil as Oil Phase in Tretinoin Nanoemulsion, *International Journal of Drug Delivery Technology*, Vol 7 (1), p. 42-44
6. Retno Sari, **Widji Soeratri**, Esti Hendradi, Particulate Delivery System Of Chitosan - Diterpene Lactone Fraction Of Sambiloto (*Andrographis Paniculata* Nees): Preparation And Characterization, *Asian Journal of Pharmaceutical and Clinical Research*, Volume 10, June 2017
7. Retno Sari, Widji Soeratri, Esti Hendradi, Particulate Delivery System Of Chitosan - Diterpene Lactone Fraction Of Sambiloto (*Andrographis Paniculata* Nees): Preparation And Characterization, *Asian Journal of Pharmaceutical and Clinical Research*, Volume 10, June 2017
8. Sugiyartono, **Widji Soeratri**, and Muhammad Zainuddin, The Effect of Combination of Methacrylic Acid Copolymer L Type and S Type on the Physical and Chemical Polymer Properties, *January – February 2017 RJPBCS 8(1) Page No. 1648-152*
9. Les, Luky Hayuning, Isnaeni Isnaeni, and **Widji Soeratri**. 2020. "Aktivitas Antibakteri Dan Stabilitas Sediaan Gel Minyak Atsiri Daun Jeruk Purut (*Citrus Hystrix Folium*).” *Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia* 6(2):74. doi: 10.20473/jfiki.v6i22019.74-80.
10. A’yun, Nisa Qurrota, Tristiana Erawati, Cita ROSita Sigit Prakoeswo, and **Widji Soeratri**. 2020. "Karakteristik Dan Stabilitas Fisik Krim Amniotic Membrane Stem Cell Metabolite Product Dengan Penambahan SPACE Peptide.” *Farmasi Dan Ilmu Kefarmasian Indonesia* 3(1):32–38.
11. Hanistya, Ria, Tristiana Erawati, Cita Rosita Sigit Prakoeswa, Fedik Abdul Rantam, and **Widji Soeratri**. 2020. "Pengaruh Penambahan SPACE Terhadap Karakteristik Dan Stabilitas Gel Freeze Dried Amniotic Membrane Stem Cell-Metabolite Product.” *Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia* 7(2):59–65.
12. Suzliana, Rina Mutya, Tristiana Erawati, Cita Rosita Sigit Prakoeswa, Fedik Abdul Rantam, and **Widji Soeratri**. 2020. "Pengaruh Asam Hialuronat-Space Peptide Terhadap Karakteristik, Stabilitas Fisik Gel Amniotic Membran-Stemcell Metabolite Product.” *JURNAL FARMASI DAN ILMU KEFARMASIAN INDONESIA* 7(2):66. doi: 10.20473/jfiki.v7i22020.66-73.

	<p>13. Mayangsari, Fransisca Dita, Tristiana Erawati, Widji Soeratri, and Noorma Rosita. 2021. "Characteristics and Physical Stability of NLC-Coenzyme Q10 in Sleeping Mask with Patchouli Oil." <i>Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia</i> 8(2):178. doi: 10.20473/jfiki.v8i22021.178-186.</p> <p>14. Rahmasari, Dyah, Noorma Rosita, and Widji Soeratri. 2022. "Physicochemical Characteristics, Stability, and Irritability of Nanostructured Lipid Carrier System Stabilized with Different Surfactant Ratios." <i>Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia</i> 9(1):8–16. doi: 10.20473/jfiki.v9i12022.8-16.</p> <p>15. Suryawijaya, Anita Natalia, Tutiek Purwanti, Djoko Agus Purwanto, and Widji Soeratri. 2022. "Characteristic and Physical Stability of Anti-Aging Green Tea Extract (GTE) on NLC with Argan Oil as Liquid Lipid." <i>Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia</i> 9(2):115–24. doi: 10.20473/jfiki.v9i22022.115-124.</p>
<p>Participations in specialist organizations over the past five years</p>	<p>Member of Indonesian Pharmacist Association</p>

Name	Prof. Dr. apt. Tristiana Erawati, M.Si.			
Post	Lecturer, Department of Pharmaceutical Sciences (Cosmetic)			
Academic Career	Doctoral Degree	Pharmaceutical Science, Faculty of Pharmacy Universitas Airlangga	2015	
	Magister Degree	Pharmaceutical Science, Pascasarjana Universitas Airlangga	1995	
	Apothecary	Department of Pharmaceutics, Faculty of Pharmacy, Universitas Airlangga, Indonesia	1980	
	Bachelor of Science	Department of Pharmaceutics, Faculty of Pharmacy, Universitas Airlangga, Indonesia	1985	
Employment	Position	Employer	Period	
	Lecturer	Faculty of Pharmacy Universitas Airlangga	1987-present	
Research and development projects over the last 5 years	Project Name	Duration	Partners	Funding
	"Efek Perbedaan Lipid Cair dalam Sistem Penghantaran Nanostructured Lipid Carrier terhadap Aktivitas Antiaging Sediaan Gel Quersetin"	2022		(RKAT) Universitas Airlangga
	Potensi quercetin dalam solid lipid microparticle sebagai Antivirus Inhalasi	2021		(RKAT) Universitas Airlangga
	Optimasi Formula NLC-CoQ10 dengan matrik kombinasi oleum cacao-beeswax dan Virgin Coconut Oil serta penambahan enhancer essential oil (Rosemary oil dan Pippermint oil)	2020		(RKAT) Universitas Airlangga
	"Pengaruh perbandingan kadar lemak coklat dan virgin coconut oil (VCO) terhadap karakteristik dan efektivitas asam para metoksisinamat dalam sistem nanostructured lipid carrier (NLC)"	2019		Ministry of Research and Higher Education
	Karakterisasi Dan Stabilisasi NLC Minyak Kemiri dengan Basis Oleum Cacao-Beeswax Sebagai Kosmetika Penumbuh Rambut	2018		(RKAT) Universitas Airlangga
	Karakterisasi dan Peningkatan Efektivitas Ubiquinone (Q10) Sebagai Antiaging Dalam Sistem Penghantaran	2017		(RKAT) Universitas Airlangga

	Nanoemulsi Dengan Fase Minyak Virgin Coconut Oil (VCO)			
Cooperation with the industry over the past five years	-			
Patent and protected rights	-			
Important publications over the last 5 years	<p>Total Publications: 13</p> <ol style="list-style-type: none"> 1. Dewi Melani Hariyadi, Esti Hendradi, Noorma Rosita, Tutiek Purwanti, Tristiana Erawati, Milhatul, Sisielia. 2017, Hubungan Pengetahuan Diabetes serta Lotion Foot Care untuk Pencegahan Komplikasi Diabetes Melitus dengan Kadar Glukosa Darah Penderita dan Pemahaman Masyarakat Banyuurip Jaya Surabaya, <i>Jurnal Ilmu Kefarmasian Indonesia</i>, 2017 2. Noorma Rosita, Dewi Melani Haryadi, Tristiana Erawati, Rossa Patria Nanda, Widji Soeratri, 2017, Photostability Study On Character And Antioxidant Activity Of Tomato Extract (Solanum Lycopersicum L.) In Nanostructured Lipid Carrier (NLC) And Conventional Cream, <i>International Journal of Drug Delivery Technology</i>, Vol7 (1), 71-74 3. Fenita Shoviantari, Tristiana Erawati, Widji Soeratri, 2017, Skin Penetration of Coenzyme Q10 in Nanostructure Lipid Carriers Using Olive Oil and Cetyl Palmitate, <i>International Journal of Pharmaceutical and Clinical Research</i>, 9(2), p.142-145 4. Deapsari F, Erawati T M, Soeratri W, 2017, Penetration of Ubiquinone (Q10) Nanoemulsion Using Olive Oil Through Rat Skin, <i>International Journal of Pharmaceutical and Clinical Research</i>, 9(2), p.169-172 5. Tristiana Erawati M, Retnowati, Amalia Wardatul F, Widji Soeratri, 2017, Virgin Coconut Oil as Oil Phase in Tretinoin Nanoemulsion, <i>International Journal of Drug Delivery Technology</i>, Vol 7 (1),p. 42-44 6. Purwanti, Tutiek, Ria Puspita, and Tristiana Erawati. 2019. "Pengaruh Matriks Kombinasi Alginat:Gelatin (2%:1%) Terhadap Karakteristik Dan Aktivitas Antibakteri Mikrosfer Probiotik Lactobacillus Acidophilus." <i>Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia</i> 6(1):44. doi: 10.20473/jfiki.v6i12019.44-50. 7. Ayun, N. Q., Erawati, T., Prakoeswo, C. R. S., & Soeratri, W. (2020). Karakteristik dan Stabilitas Fisik Krim Amniotic Membrane Stem Cell Metabolite Product dengan Penambahan SPACE Peptide. <i>Jurnal Farmasi dan Ilmu Kefarmasian Indonesia</i>, 7(1), 19–25. https://doi.org/10.20473/jfiki.v7i12020.19-25 8. Hanistya, Ria, Tristiana Erawati, Cita Rosita Sigit Prakoeswa, Fedik Abdul Rantam, and Widji Soeratri. 2020. "Pengaruh 			

	<p>Penambahan SPACE Terhadap Karakteristik Dan Stabilitas Gel Freeze Dried Amniotic Membrane Stem Cell-Metabolite Product.” Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia 7(2):59–65.</p> <p>9. Suzliana, Rina Mutya, Tristiana Erawati, Cita Rosita Sigit Prakoeswa, Fedik Abdul Rantam, and Widji Soeratri. 2020. “Pengaruh Asam Hialuronat-Space Peptide Terhadap Karakteristik, Stabilitas Fisik Gel Amniotic Membran-Stemcell Metabolite Product.” JURNAL FARMASI DAN ILMU KEFARMASIAN INDONESIA 7(2):66. doi: 10.20473/jfiki.v7i22020.66-73.</p> <p>10. Mayangsari, Fransisca Dita, Tristiana Erawati, Widji Soeratri, and Noorma Rosita. 2021. “Characteristics and Physical Stability of NLC-Coenzyme Q10 in Sleeping Mask with Patchouli Oil.” Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia 8(2):178. doi: 10.20473/jfiki.v8i22021.178-186.</p> <p>11. Kalalo, Tekla, Andang Miatmoko, Hanafi Tanojo, Tristiana Erawati, Dewi Melani Hariyadi, and Noorma Rosita. 2022. “Effect of Sodium Alginate Concentration on Characteristics, Stability and Drug Release of Inhalation Quercetin Microspheres.” Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia 9(2):107–14. doi: 10.20473/jfiki.v9i22022.107-114.</p> <p>12. Rosita N, Ambarwati N, Erawati T, Hariyadi DM. Characterization and in vitro release of inhalation quercetin solid lipid microparticles: Effect of lipid. J Adv Pharm Technol Res. 2022 Jan-Mar;13(1):11-17. doi: 10.4103/japtr.japtr_263_21</p> <p>13. Erawati, T., Agustin, E. D., Meldaviati, G., Rohmah, N. N., Purwanti, T., Miatmoko, A., Hendradi, E., Rosita, N., & Hariyadi, D. M. (2022). Effect of Peppermint Oil on the Characteristics and Physical Stability of Nanostructured Lipid Carrier-CoQ10. Tropical Journal of Natural Product Research, 6(3), 303-307. https://doi.org/10.26538/tjnpr/v6i3.3</p>
Participations in specialist organizations over the past five years	Member of Indonesian Pharmacist Association

Name	Prof. Dr. apt. Noorma Rosita, M.Si.,Apt			
Post	Lecturer, Department of Pharmaceutical Sciences (Cosmetic)			
Academic Career	Doctoral Degree	Pharmaceutical Science, Faculty of Pharmacy, Universitas Airlangga, Indonesia	2015	
	Magister Degree	Pharmaceutical Science, Gadjah Mada University	1998	
	Apothecary	Department of Pharmaceutics, Faculty of Pharmacy, Universitas Airlangga, Indonesia	1990	
	Bachelor of Science	Department of Pharmaceutics, Faculty of Pharmacy, Universitas Airlangga, Indonesia	1989	
Employment	Position	Employer	Period	
	Lecturer	Faculty of Pharmacy Universitas Airlangga	1991-present	
Research and development projects over the last 5 years	Project Name	Duration	Partners	Funding
	Efektivitas Ubiquinone dalam Sistem Penghantar Nanostructured Lipid Carriers (NLC) sebagai Sediaan Kosmetika Anti fotoaging	2017		Ministry of Research and Higher Education
	Formulasi Lulur Berbahan Kulit Buah Kopi dan Lemak Coklat (Pemanfaat Hasil Pertanian Daerah Jember Untuk Produk Kosmetika	2017		(RKAT) Universitas Airlangga
	Studi Praformulasi Upaya Peningkatan Lifofilias EGCG dan Pengaruhnya terhadap sitotoksitas pada sel Hela (disain sediaan ovula EGCG sebagai antikanker serviks)	2018		(RKAT) Universitas Airlangga
	"Efektivitas Ubiquinone Dalam Sistem Penghantar Nanostructured Lipid Carriers (NLC) Sebagai Sediaan Kosmetika Anti Fotoaging"	2018		Ministry of Research and Higher Education
	"Pengembangan Sediaan Ovula (Intravaginal Ring) Epigallocatechin Gallate (EGCG) sebagai Antikanker Serviks "	2019		Ministry of Research and Higher Education

	Formulasi Dan Karakteristik Fisik Produk Gel Virgin Coconut Oil (VCO) Kelapa Kopyor (<i>Cocos Nucifera</i> Linn.) Sebagai Obat Anti Jerawat : Pengaruh Konsentrasi VCO Dan Gelling Agent Carbopol	2019		(RKAT) Universitas Airlangga
	Optimasi Formula NLC-CoQ10 dengan matrik kombinasi oleum cacao-beeswax dan Virgin Coconut Oil serta penambahan enhancer essential oil (Rosemary oil dan Peppermint oil)	2020		(RKAT) Universitas Airlangga
	Peningkatan Pengetahuan Dan Pengelolaan Obat Dalam Keluarga Bagi Ibu-Ibu PKK di Kelurahan Karah, Kota Surabaya	2020		(RKAT) Universitas Airlangga
	Potensi quercetin dalam solid lipid microparticle sebagai Antivirus Inhalasi	2021		(RKAT) Universitas Airlangga
Industry collaborations over the last 5 years	-			
Patents and proprietary rights	-			
Important publications over the last 5 years	<p>Total Publications: 7</p> <ol style="list-style-type: none"> 1. Dewi Melani Hariyadi, Esti Hendradi, Noorma Rosita, Tutiek Purwanti, Tristiana Erawati, Milhatul, Sisielia. 2017, Hubungan Pengetahuan Diabetes serta Lotion Foot Care untuk Pencegahan Komplikasi Diabetes Melitus dengan Kadar Glukosa Darah Penderita dan Pemahaman Masyarakat Banyuurip Jaya Surabaya, <i>Jurnal Ilmu Kefarmasian Indonesia</i>, 2017 2. Noorma Rosita, Dewi Melani Haryadi, Tristiana Erawati, Rossa Patria Nanda, Widji Soeratri, 2017, Photostability Study On Character And Antioxidant Activity Of Tomato Extract (<i>Solanum Lycopersicum</i> L.) In Nanostructured Lipid Carrier (Nlc) And Conventional Cream, <i>International Journal of Drug Delivery Technology</i>, Vol7 (1), 71-74 3. Rosita, N., A'yunin, Q., & Hendradi, E. (2019). Karakter Solid Lipid Nano Particle (SLN) – Ubiquinon (Q10) dengan Beda Jenis Kosurfaktan: Poloxamer 188, Lesitin, Propilen Glikol. <i>Jurnal Farmasi</i> 			

	<p>dan Ilmu Kefarmasian Indonesia, 6(1), 17–24. https://doi.org/10.20473/jfiki.v6i12019.17-24</p> <p>4. Mayangsari, F. D., Erawati, T., Soeratri, W., & Rosita, N. (2021). Karakteristik dan Stabilitas Fisik NLC-Koenzim Q10 dalam Sleeping Mask dengan Minyak Nilam. <i>Jurnal Farmasi dan Ilmu Kefarmasian Indonesia</i>, 8(2), 178–186. https://doi.org/10.20473/jfiki.v8i22021.178-186</p> <p>5. Rosita N, Ambarwati N, Erawati T, Hariyadi DM. Characterization and in vitro release of inhalation quercetin solid lipid microparticles: Effect of lipid. <i>J Adv Pharm Technol Res.</i> 2022 Jan-Mar;13(1):11-17. doi: 10.4103/japtr.japtr_263_21. Epub 2022 Jan 21. PMID: 35223435; PMCID: PMC8820350.</p> <p>6. Dewi Melani Hariyadi, Noorma Rosita, Isnaeni, Sisunandar Sudarma, Deavisca Rezanía. Virgin Coconut Oil Emulgel: Effect of VCO and Carbopol 940 Concentration on Characterization and Antibacterial Activity. <i>Research Journal of Pharmacy and Technology.</i> 2022; 15(5):2087-2. doi: 10.52711/0974-360X.2022.00345</p> <p>7. Kalalo, T. ., Miatmoko, A. ., Tanojo, H. ., Erawati, T. ., Hariyadi, D. M. ., & Rosita, N. (2022). Effect of Sodium Alginate Concentration on Characteristics, Stability and Drug Release of Inhalation Quercetin Microspheres. <i>Jurnal Farmasi dan Ilmu Kefarmasian Indonesia</i>, 9(2), 107–114. https://doi.org/10.20473/jfiki.v9i22022.107-114</p>
Participations in specialist organizations over the past five years	Member of Indonesian Pharmacist Association

Name	apt. Dra. Tutiek Purwanti, M.Si.			
Post	Lecturer, Departement of Pharmaceutical Sciences (Cosmetic)			
Academic Career	Candidate Doctor	Faculty of Pharmacy, Universitas Airlangga, Indonesia.	2014-now	
	Master of Sciences	Program Pasca Sarjana Universitas Airlangga, , Indonesia	1995	
	Apothecary	Department of Pharmaceutics, Faculty of Pharmacy, Universitas Airlangga, Indonesia	1984	
	Bachelor of Science	Department of Pharmaceutics, Faculty of Pharmacy, Universitas Airlangga, Indonesia	1983	
Employment	Position	Employer	Period	
	Lecturer	Faculty of Pharmacy Universitas Airlangga	1986-present	
Research and development projects over the last 5 years	Project name	Duration	Partners	Funding
	Karakterisasi dan Uji Pelepasan Kuersetin Pada Sediaan Gel Spanlastik Kuersetin Sebagai Antiaging Topikal	2022		(RKAT) Universitas Airlangga
	Karakteristik dan Uji Aktivitas Imunomodulator (IgM) Mikrosfer Quersetin dengan Matriks Kombinasi Natrium Alginat-Kitosan yang dibuat dengan Metode Gelasi Ionik Teknik Aerosolisasi	2021		(RKAT) Universitas Airlangga
	Solidifikasi Misel Kombinasi Poloxamer-TPGS dengan Metode Freeze Dry sebagai Pengembangan Nanokarier untuk Hesperetin	2020		(RKAT) Universitas Airlangga
	Peran serta PKK dalam rangka meningkatkan pengetahuan masyarakat tentang obat	2020		(RKAT) Universitas Airlangga
	Karakterisasi dan Uji Aktivitas Antibakteri Mikrosfer Gentamisin-Alginat Untuk Penggunaan Topical Spray	2018		(RKAT) Universitas Airlangga

	Karakterisasi dan Uji Aktivitas Antibakteri Mikrosfer Nisin dengan Matriks Natrium Alginat	2017		(RKAT) Universitas Airlangga
Industry collaborations over the last 5 years	-			
Patents and proprietary rights	-			
Important publications over the last 5 years	<p>Total Publications: 5</p> <ol style="list-style-type: none"> 1. Dewi Melani Hariyadi, Esti Hendradi, Noorma Rosita, Tutiek Purwanti, Tristiana Erawati, Milhatul, Sisielia. 2017, Hubungan Pengetahuan Diabetes serta Lotion Foot Care untuk Pencegahan Komplikasi Diabetes Melitus dengan Kadar Glukosa Darah Penderita dan Pemahaman Masyarakat Banyuurip Jaya Surabaya, <i>Jurnal Ilmu Kefarmasian Indonesia</i>, 2017 2. Tutiek Purwanti, Dewi Melani Hariyadi, Corry Silvia, Characterization And Release Of Ibuprofen In Proniosome System (Ibuprofen-Span 60-Cholesterol, <i>International Journal of Drug Delivery Technology</i>, 2017 3. Purwanti, Tutiek & Puspita, Ria & Erawati, Tristiana. (2019). Pengaruh Matriks Kombinasi Alginat:Gelatin (2%:1%) terhadap Karakteristik dan Aktivitas Antibakteri Mikrosfer Probiotik Lactobacillus acidophilus. JURNAL FARMASI DAN ILMU KEFARMASIAN INDONESIA. 6. 44. 10.20473/jfiki.v6i12019.44-50. 4. Suryawijaya, A. N., Purwanti, T. ., Purwanto, D. A. ., & Soeratri, W. . (2022). Characteristic and Physical Stability of Anti-Aging Green Tea Extract (GTE) on NLC with Argan Oil as Liquid Lipid. JURNAL FARMASI DAN ILMU KEFARMASIAN INDONESIA, 9(2), 115–124. https://doi.org/10.20473/jfiki.v9i22022.115-124 5. Erawati, T., Agustin, E. D., Meldaviati, G., Rohmah, N. N., Purwanti, T., Miatmoko, A., Hendradi, E., Rosita, N., & Hariyadi, D. M. (2022). Effect of Peppermint Oil on the Characteristics and Physical Stability of Nanostructured Lipid Carrier-CoQ10. <i>Tropical Journal of Natural Product Research</i>, 6(3), 303-307. https://doi.org/10.26538/tjnpr/v6i3.3 			
Activities in specialist bodies over the last 5 years	Member of Indonesian Pharmacist Association			

Name	apt. Dini Retnowati, S.Farm., M.Si.			
Position	Lecturer, Department of Pharmaceutical Sciences			
Academic Career	Master	Sekolah Farmasi Institut Teknologi Bandung, Bandung, Indonesia	2013	
	Profesi Apoteker	Fakultas Farmasi Universitas Airlangga, Surabaya, Indonesia	2007	
	S1 Sarjana Pendidikan Apoteker	Fakultas Farmasi Universitas Airlangga, Surabaya, Indonesia	2003	
Employment	Position	Employer	Period	
	Lecturer	Faculty of Pharmacy Universitas Airlangga	2009-present	
Research and development projects over the past five years	Project Name	Duration	Partners	Funding
	Pengembangan Sediaan Spray Gel Kombinasi Kitosan- <i>Aloe vera</i> Sebagai Wound Healing (Uji Stabilitas Dan Uji Iritabilitas)	2019		(RKAT) Universitas Airlangga
	Pendekatan Geometrik dan Mekanik pada Laboratory Scale Up Sediaan Wound Healing Spray Gel Chitosan - <i>Aloe vera</i>	2020		Ministry of Research and Higher Education
	Formulasi Liposom Dengan Fosfolipid yang Berbeda untuk Hantaran Doxorubicin	2021		(RKAT) Universitas Airlangga
	Studi <i>in vitro</i> Pelepasan Obat dan Uji Sitotoksitas Hesperitin dalam Sistem Misel Kombinasi Poloxamer-TPGS Sebagai Pengembangan Nanokarier Antikanker	2022		(RKAT) Universitas Airlangga
	Pengaruh Kombinasi Bulking Agent Hidrofilik-Hidrofobik Terhadap Disolusi dan Mutu Fisik Tablet Nanosuspensi Pengeringan Beku Hesperitin dan Tablet Nanosuspensi Pengeringan Beku Ibuprofen	2022		Ministry of Research and Higher Education
	Studi Ambilan Seluler dan Sitotoksitas Naringin Dalam Misel Kombinasi TPGS-Poloxamer Secara <i>in vitro</i> Untuk Pengembangan Antikanker Yang Efektif	2023		Ministry of Research and Higher Education
	Pengembangan Sediaan Injeksi Antibiotika: Karakteristik Dan	2023		Ministry of Research and

	Profil pH-Kelarutan Siprofloksasin dan Levofloksasin			Higher Education
Cooperation with the industry over the past five years	-			
Patent and protected rights	-			
Important publications over the last 5 years	<p>Total Publications: 5</p> <ol style="list-style-type: none"> Retnowati, D., & Setyawan, D. (2010). Peningkatan Disolusi Ibuprofen dengan Sistem Dispersi Padat Ibuprofen-PVP K90. <i>Majalah Farmasi Airlangga</i>, 8(April), 24–28. Hafid, A. F., Retnowati, D., & Widyawaruyanti, A. (2015). The combination therapy model of <i>Andrographis paniculata</i> extract and chloroquine on <i>Plasmodium berghei</i> infected mice. <i>Asian Journal of Pharmaceutical and Clinical Research</i>, 8(2), 205–208. Retnowati, D., Sari, R., Hendradi, E., & Septiani, S. (2021). The stability and irritability study of the chitosan – Aloe vera spray gel as wound healing. 32(4), 651–656. https://doi.org/10.1515/jbcpp-2020-0407/html. Sari, R., Setyawan, D., Retnowati, D., & Pratiwi, R. (2019). Development of Andrographolide-Chitosan Solid Dispersion System: Physical Characterization, Solubility, And Dissolution Testing. <i>Asian Journal of Pharmaceutics</i>, 13(1), 5–9. https://doi.org/http://dx.doi.org/10.22377/ajp.v13i01.3002 Setyawan, D., Bawazier, N. A., Retnowati, D., & Paramita, D. P. (2020). Evaluation of ketoconazole tablet prepared using dry granulation technique with filler-binder excipients and disintegration agent. <i>Pertanika Journal of Science and Technology</i>, 28(3), 1081–1090. Retnowati, D., Sari, R., Hendradi, E., & Septiani, S. (2021). The stability and irritability study of the chitosan – Aloe vera spray gel as wound healing. 32(4), 651–656. https://doi.org/10.1515/jbcpp-2020-0407/html. Current prospects and future challenges for nasal vaccine delivery, <i>Journal of Human Vaccines and Immunotherapeutics</i>, Vol.13(1), 34-45, year 2017. 			
Participations in specialist organizations over the past five years	Member of Indonesian Pharmacist Association			

Name	Ana Yuda			
Position	Lecturer, Department of Pharmacy Practice			
Academic Career	Master			2015
	Profesi Apoteker	Fakultas Farmasi Universitas Airlangga, Surabaya, Indonesia		1998
	S1 Sarjana Pendidikan Apoteker	Fakultas Farmasi Universitas Airlangga, Surabaya, Indonesia		1997
Employment	Position	Employer	Period	
	Lecturer	Faculty of Pharmacy Universitas Airlangga	2007-present	
Research and development projects over the past five years	Project Name	Duration	Partners	Funding
	Industrialisasi Prototype Produk Anti-aging Berbasis Teknologi Etosom dengan Bahan Aktif Ekstrak Temu Giring	2018		PPTI
	“No Pain” Aplikasi Nano Etosom pada Ekstrak Kencur sebagai Analgesik Antiinflamasi Spray	2018		CPPBT
	Eksplorasi Peran dan Pengaruh Mahasiswa Profesi Apoteker dan Apoteker pada Komunikasi dan Edukasi tentang Kemanfaatan Sediaan Herbal dalam Menangkal Covid-19	2020		HIBAH RISET MANDAT KHUSUS COVID-19
	Persepsi Apoteker Dan Masyarakat Terhadap Informasi Obat Yang Tercantum Dalam Etiket Atau Label Obat Pada Pelayanan Resep di Apotek.	2021		PUF
	Pelabelan Obat Pada Pelayanan Resep di Apotek Kota Surabaya: Metode Simulated Patient	2022		PUF
Cooperation with the industry over the past five years	-			
Patent and protected rights	-			
Important publications over the last 5 years	Total Publications: 10 1. <u>Profile of eye drops labelling of pharmacies' prescription service in Surabaya</u> Author : F Aryanto, S Wahyudi, A Sulistyarini, A Yuda Pharmacy Education 23 (4), 336-339, 2023 2. <u>Drug-related problems in hospitalized patients with type 2 diabetes mellitus: A systematic review</u> Author : MHA Jihadi, A Yuda, AI Sukorini, A Hermansyah, N			

	<p>Shafqat, CS Tan, ... Exploratory Research in Clinical and Social Pharmacy, 100348, 2023</p> <p>3. <u>Self-medication profiles in school-age adolescents in Surabaya city, Indonesia</u> Author : M Mufarrihah, A Yuda, A Paramanandana, D Retnowati, DM Cahyani, ... Journal of Public Health in Africa, 2023</p> <p>4. <u>Drug-related problems among older people with dementia: A systematic review</u> Author : QNX Qin, LC Ming, MS Abd Wahab, CS Tan, A Yuda, A Hermansyah Research in Social and Administrative Pharmacy, 2023</p> <p>5. <u>Pengetahuan Ibu terkait Kebutuhan Vitamin D untuk Anak Tahun di Era Pandemi COVID-19</u> Author : LN Azizah, AG Ningrum, AP Wahyudiandi, CD Rakhmawati, ... Jurnal Farmasi Komunitas Vol 10 (1), 29-33, 2023</p> <p>6. <u>Pharmacists' perception about design and content of medicine labels on prescription services in community pharmacies</u> Author : YN Hidayah, A Sulistyarini, A Yuda Pharmacy Education 23 (4), 300-303, 2023</p> <p>7. <u>Assessment of medicines and potential pharmaceutical wastes management among households in Lamongan, Indonesia</u> Author : F Kusuma, M Munir, A Yuda, A Hermansyah Pharmacy Education 23 (4), 145-148, 2023</p> <p>8. <u>Pengetahuan dan Penggunaan Vitamin D pada Mahasiswa Prodi Non-Ilmu Kesehatan di Masa Pandemi COVID-19</u> Author : AF Hasya, AR Candra, BR Asmayani, BF Hassan, F Avinda, F Farah, ... Jurnal Farmasi Komunitas Vol 9 (2), 163-169, 2022</p> <p>9. <u>Pengetahuan Lansia tentang Pengelolaan dan Keamanan Obat Bahan Alam dan Obat Modern.</u> Author : A Yuda, L Maghfiroh, AI Sukorini, HP Puspitasari Jurnal Farmasi Komunitas 9 (2), 2022</p> <p>10. <u>Challenges in the provision of natural medicines by community pharmacists in East Java Province, Indonesia</u> Author : HP Puspitasari, D Fatmaningrum, S Zahro, S Salsabila, ZA Rizqulloh, ... Journal of Basic and Clinical Physiology and Pharmacology 32 (4), 875-880, 2021</p>
Participations in specialist organizations over the past five years	Member of Indonesian Pharmacist Association

Name	Arie Sulistyarini, S.Si., M.Pharm., Apt.			
Position	Lecturer, Department of Pharmacy Practice			
Academic Career	Master of Pharmacy	Curtin University of Technology, Western Australia	2013	
	Profesi Apoteker	Fakultas Farmasi Universitas Airlangga, Surabaya, Indonesia	1997	
	S1 Sarjana Pendidikan Apoteker	Fakultas Farmasi Universitas Airlangga, Surabaya, Indonesia	1996	
Employment	Position	Employer	Period	
	Lecturer	Faculty of Pharmacy Universitas Airlangga	1998-present	
Research and development projects over the past five years	Project Name	Duration	Partners	Funding
	Observasi Sampah Obat di Rumah Tangga dan Penanganannya: Studi Observasional dan Survei KAP	2023		(RKAT) Universitas Airlangga
	Pelabelan obat pada Pelayanan Resep di Apotek kota Surabaya: metode simulated patient	2022		(RKAT) Universitas Airlangga
	Pharmacist Interventions to reduce the negative impacts of polypharmacy in the elderly population: a systematic review	2022		(RKAT) Universitas Airlangga
	Identifikasi faktor kepatuhan pengobatan dan skrining faktor risiko sebagai upaya preventif dan promotif untuk menekan prevalensi penyakit tidak menular	2021 Tahun III		(RKAT) Universitas Airlangga
	Persepsi Apoteker dan Masyarakat terhadap Informasi Obat yang Tercantum dalam Etiket atau Label Obat pada Pelayanan Resep di Apotek			(RKAT) Universitas Airlangga
	Identifikasi Faktor Kepatuhan Pengobatan & Skrining Faktor Risiko sebagai Upaya Preventif & Promotif untuk Menekan Prevalensi Penyakit Tidak Menular (PDUPT)	2020 tahun II		(RKAT) Universitas Airlangga
	Identifikasi faktor kepatuhan pengobatan dan skrining faktor risiko sebagai upaya preventif dan promotif untuk menekan prevalensi penyakit tidak	2019 tahun I		(RKAT) Universitas Airlangga

	menular			
	Analisa Hubungan Medication Adherence Barriers & Kepatuhan Pengobatan pada Pasien Penyakit Kronis di Puskesmas Wilayah Surabaya	2019		(RKAT) Universitas Airlangga
	Cost of Illness pada Pasien Diabetes Millitus Tipe 2 di Puskesmas Wilayah Surabaya	2019		(RKAT) Universitas Airlangga
Cooperation with the industry over the past five years	-			
Patent and protected rights	-			
Important publications over the last 5 years	<p>Total Publications: 10</p> <ol style="list-style-type: none"> 1. Elida Zairina, Athaya B Azzahrya, Gesnita Nugraheni, Arie Sulistyarini . Knowledge, attitudes, and practices for using and disposing of antibiotics: A cross-sectional study at an Indonesian community. Pharmacy Education (2023) 23(4) 110 – 115. ICMHS 2022 SPECIAL EDITION. https://doi.org/10.46542/pe.2023.234.110115 2. Frenido Aryanto, Syahrul Wahyudi, Arie Sulistyarini, Ana Yuda, Mufarrihah Mufarrihah. Profile of eye drops labelling of pharmacies' prescription service in Surabaya. Pharmacy Education (2023) 23(4) 336 – 339 ICMHS 2022 SPECIAL EDITION. https://doi.org/10.46542/pe.2023.234.336339 3. Mufarrihah Mufarrihah, Yaniar Nur Hidayah, Arie Sulistyarini, Ana Yuda . Pharmacists' perception about design and content of medicine labels on prescription services in community pharmacies. Pharmacy Education (2023) 23(4) 300 – 303 ICMHS 2022 SPECIAL EDITION. https://doi.org/10.46542/pe.2023.234.300303 4. Rahem, A., Utami, W. ., Pristiany, L. ., Hermansyah, A. ., Sukorini, A. I. ., Rahayu, T. P. ., Yuda, A. ., Sulistyarini, A. ., Wijaya, I. N. ., Noorrizka V, G. ., & Priyandani, Y. . (2023). Pengaruh Penyuluhan terhadap Peningkatkan Pemahaman Kelompok Tani dan Kader Tuberculosis terhadap Penyakit Tuberculosis, Pengobatan dan Pencegahannya. Jurnal Bakti Untuk Negeri, 3(1), 30-38. https://doi.org/10.36387/jbn.v3i1.1359 5. Zairina, E., Nugraheni, G., Achmad, G. N., Sulistyarini, A., Nita, Y., Faisal, S., Bakhtiar, A., & Amin, M. (2022). Efficacy of an education session by pharmacists for patients with asthma: A randomised controlled trial. Pharmacy Education, 22(1), p. 980–988. https://doi.org/10.46542/pe.2022.221.980988 			

6. Zairina, E., Nugraheni, G., **Sulistyarini, A.**, Mufarrihah, Setiawan, C. D., Kripalani, S., & Lestari, S. I. (2022). Factors related to barriers and medication adherence in patients with type 2 diabetes mellitus: a cross-sectional study. *Journal of Diabetes and Metabolic Disorders*, 21(1), 219-228. <https://doi.org/10.1007/s40200-021-00961-6>
7. Najwa, H., Yanti, R. D., Avanti, Z. S., Sugiyanti, A. F., Listyandi, F. Y., Insani, F. S., Ahsan, N. A. A., Wardhani, R. A. C. P., Soraya, Y., Artanti, A. N., Imandasari, A., Qoiriyah, R. H., Rahmaningtyas, S. D., Arsyah, T. 'Afiy, Iskandar, I. M., & **Sulistyarini, A.** (2022). Pengetahuan dan Perilaku Tenaga Kesehatan di Jawa Timur dalam Menghadapi Pandemi COVID-19. *Jurnal Farmasi Komunitas*, 9(2), 133–139. <https://doi.org/10.20473/jfk.v9i2.32917>
8. Izzati, H. N. ., Dewi, P. S. ., Baraja, H. Y. ., Indriani , D. A. ., Berliana, N. ., Nabila, A. F. ., Sahnaz, S., Rahmadani, S. R. ., Arofik, H. ., Pradidina, W. G. ., Ismanindratm, M. N. ., Christiane, W. ., Shabrina, F. T. ., & **Sulistyarini, A.** (2022). Pelayanan Apotek sebagai Upaya Adaptasi di Masa COVID-19. *Jurnal Farmasi Komunitas*, 9(2), 140–143. <https://doi.org/10.20473/jfk.v9i2.32920>
9. Sembiring, C. M., Laraswati, D. A., Ainuliza, F., Pradarma, J. D., Silmi, M. A., Aprilia, M., Wibowo, N. K., Cintyadewi, N. P., Haq, N. R. F., Nada, Q., Arifiani, R. A., Putri, W. B., & **Sulistyarini, A.** (2022). Profil Pengetahuan Wanita Menikah Usia Subur tentang Kontrasepsi Oral. *Jurnal Farmasi Komunitas*, 9(1), 59–66. <https://doi.org/10.20473/jfk.v9i1.24134>
10. Elida Zairina, **Arie Sulistyarini**, Gesnita Nugraheni, Sindy Irvana Kurnia Saputri, Ayudika Permatasari, and Elinda Eka Rachmawati, - (2021) Screening for identifying individuals at risk of developing type 2 diabetes using the Canadian diabetes risk (CANRISK) questionnaire. *Zeitschrift fur Gesundheitswissenschaften (Germany) Journal of Public Health; From Theory to Practice* (2021). ISSN 0943-1853
11. Zairina E, Nugraheni G, Achmad GNV, **Sulistyarini A**, Nita Y, Bakhtiar A, Amin M. The correlation between self-related adherence, asthma-related quality of life and control of asthma in adult patients. *J Basic Clin Physiol Pharmacol*. 2021 Jun 25;32(4):453-458. doi: 10.1515/jbcpp-2020-0434. PMID: 34214370.
12. Wibowo, C. A., Ashila, U. S., Aditya, I. G. Y., Probo, A., Karima, S. W., Rino, S. A., Rosaningrum, J., Krisnayanti, N. W., Tanjung, N., Hutasuhut, M., & **Sulistyarini, A.** (2020). PENGETAHUAN DAN SIKAP IBU TENTANG IMUNISASI DASAR PADA BALITA. *Jurnal Farmasi Komunitas*, 7(1), 17–22. <https://doi.org/10.20473/jfk.v7i1.21659>
13. Wadoe, M., Syifaudin, D. S., Alfianna, W., Aifa, F. F., D. P., N., Savitri, R. A., Andri, M. D., Ikhsan, N. D. M., Manggala, A., Fauzi, I. Q., Ayu, N., Mutrikah, M., & **Sulistyarini, A.** (2020). PENGGUNAAN DAN PENGETAHUAN SUNSCREEN PADA

	MAHASISWA UNAIR. Jurnal Farmasi Komunitas, 6(1), 1–8. https://doi.org/10.20473/jfk.v6i1.21821
Participations in specialist organizations over the past five years	Member of Ikatan Apoteker Indonesia (IAI) -Indonesian Pharmacist Association

Name	apt. Gusti Noorrizka V.A, S.Si., M.Sc			
Position	Lecturer, Department of Pharmaceutical Sciences			
Academic Career	Master	Erasmus Universiteit Rotterdam	2009-2010	
	Pharmacist	Universitas Airlangga, Surabaya	1996-1997	
	Bachelor	Universitas Airlangga, Surabaya	1991-1996	
Employment	Position	Employer	Period	
	Lecturer	Faculty of Pharmacy Universitas Airlangga	2003-present	
	QC Manager	Bernofarm Pharmaceutical Company	1997-2004	
Research and development projects over the past five years	Project Name	Duration	Partners	Funding
	Konseling dan Kepatuhan Penderita Hipertensi dan Diabetes Mellitus Tipe 2	2019		(RKAT) Universitas Airlangga
	Kepatuhan dan Kualitas Hidup Penderita	2018		(RKAT) Universitas Airlangga
	Manajemen Terapi Obat oleh Apoteker pada Kasus Asma Tahun Kedua	2018		(RKAT) Universitas Airlangga
	Pengaruh Refill Resep Terhadap Kepatuhan dan Biaya Pada Pasien dengan Penyakit Kronik (Studi pada Pasien Hipertensi di Puskesmas Wilayah Surabaya)	2017		(RKAT) Universitas Airlangga
	Manajemen Terapi Obat oleh Apoteker pada Kasus Asma Tahun Pertama	2017		(RKAT) Universitas Airlangga
	Pengaruh Jumlah Hari Pemberian Obat dengan Resep terhadap Kepatuhan dan Biaya (Studi pada Pasien Diabetes Melitus di Puskesmas Wilayah Surabaya)	2017		(RKAT) Universitas Airlangga
Cooperation with the industry over the past five years	-			
Patent and protected rights	-			
Important publications over the last 5 years	Total Publications: 10 1. Achmad, G. N. V., Yufria, L. N., Rahem, A., & Pristianty, L. (2023). Factors that contribute to blood sugar control in type 2 diabetes			

	<p>mellitus. <i>Pharmacy Education</i>, 23(4), p. 48–52. https://doi.org/10.46542/pe.2023.234.4852</p> <p>2. Achmad, G. N., Husna, R., Priyandani, Y., & Zairina, E. (2023). Translation, validation, and reliability of the Indonesian version Assessment of Quality of Life-4 Dimensions (AQoL-4D). <i>Pharmacy Education</i>, 23(2), p. 9–13. https://doi.org/10.46542/pe.2023.232.913</p> <p>3. Silmi, M. A., Achmad, G. N. V., & Puspitasari, H. P. . (2022). IAI SPECIAL EDITION: Validation of stress assessment instruments related to the COVID-19 pandemic in pregnant women. <i>Pharmacy Education</i>, 22(2), p. 129–131. https://doi.org/10.46542/pe.2022.222.129131</p> <p>4. Zairina, E., Nugraheni, G., Achmad, G. N., Sulistyarini, A., Nita, Y., Faisal, S., Bakhtiar, A., & Amin, M. (2022). Efficacy of an education session by pharmacists for patients with asthma: A randomised controlled trial. <i>Pharmacy Education</i>, 22(1), p. 980–988. https://doi.org/10.46542/pe.2022.221.980988</p> <p>5. Zairina, E., Nugraheni, G., Achmad, G., Sulistyarini, A., Nita, Y., Bakhtiar, A. & Amin, M. (2021). The correlation between self-related adherence, asthma-related quality of life and control of asthma in adult patients. <i>Journal of Basic and Clinical Physiology and Pharmacology</i>, 32(4), 453-458. https://doi.org/10.1515/jbcpp-2020-0434</p> <p>6. Zairina E, Nugraheni G, Achmad GN, Sulistyarini A, Nita Y, Bakhtiar A, Amin M. Efficacy of an Education Session by Pharmacists for Patients With Asthma: Protocol and Design of a Randomized Controlled Trial <i>JMIR Res Protoc</i> 2018;7(12):e10210 doi: 10.2196/10210 PMID: 30563816 PMCID: 6315257</p> <p>7. Mufarrihah Mufarrihah, Catur Dian Setiawan, Nurul Wathaniah, Atikah Rahmaniah, Primanda Ayu Maharani, Azzahroh Sifa' Lailiyah Mahmudah, Gusti Noorizka Veronika Achmad. The Influence of Medication Days' Supply on Adherence and Cost of Hypertensive Patients at Primary Health Care Centre. <i>Indonesian Journal of Pharmacy</i>, 2017; 28(4): 213-220. doi: 0.14499/indonesianjpharm28iss4pp213.</p>
Participations in specialist organizations over the past five years	Member of Indonesian Pharmacist Association

Name	apt. Mufarrihah, S.Si., M.Sc.			
Position	Lecturer, Department of Pharmacy Practice			
	Master	Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta, Indonesia	2014	
	Profesi Apoteker	Fakultas Farmasi Universitas Airlangga, Surabaya, Indonesia	1998	
	S1 Sarjana Pendidikan Apoteker	Fakultas Farmasi Universitas Airlangga, Surabaya, Indonesia	1993	
Employment	Position	Employer	Period	
	Lecturer	Faculty of Pharmacy Universitas Airlangga	2007-present	
Research and development projects over the past five years	Project Name	Duration	Partners	Funding
	Pelabelan obat pada pelayanan resep di apotek kota Surabaya: metode simulated pasien	2022		(RKAT) Universitas Airlangga
	Persepsi Apoteker dan Masyarakat terhadap Informasi Obat yang Tercantum dalam Etiket atau Label Obat pada Pelayanan Resep di Apotek	2021		(RKAT) Universitas Airlangga
	Evaluasi Pengelolaan Obat Anti Diabetes Oral Tahun 2018 di Dinas Kesehatan Kota Surabaya	2019		(RKAT) Universitas Airlangga
	Cost of Illness pada Pasien Diabetes Mellitus Tipe 2 di Puskesmas Wilayah Surabaya	2019		(RKAT) Universitas Airlangga
	Kepatuhan dan Kualitas Hidup Pasien Hipertensi (Studi di Puskesmas Wilayah Surabaya)	2018		(RKAT) Universitas Airlangga
	Identifikasi Potensi Apoteker dalam Pengelolaan Obat Antihipertensi dan Peningkatan Pelayanan Preventif-Kuratif Hipertensi Di Puskesmas dan Apotek Wilayah Surabaya	2018		(RKAT) Universitas Airlangga
	Cooperation with the industry over the past five years	-		
Patent and protected rights	-			
Important publications over the last 5 years	1. Frenido Aryanto, Syahrul Wahyudi, Arie Sulistyarini, Ana Yuda, Mufarrihah Mufarrihah . Profile of eye drops labelling of pharmacies' prescription service in Surabaya, Pharmacy Education Vol. 23(4), 2023			

2. **Mufarrihah Mufarrihah**, Yaniar Nur Hidayah, Arie Sulistyarini, Ana Yuda. Pharmacists' perception about design and content of medicine labels on prescription services in community pharmacies, *Pharmacy Education* Vol. 23(4), 2023
3. **Mufarrihah Mufarrihah**, Ana Yuda, Abhimata Paramanandana, Dini Retnowati, Devy Maulidya Cahyani, Retno Sari, Sugiyartono Sugiyartono, Tutiek Purwanti, Dewi Isadiartuti, Esti Hendradi, Andang Miatmoko Self-medication profiles in school-age adolescents in Surabaya city, Indonesia, *Journal of Public Health in Africa* volume 14(s1), 2023
4. Elida Zairina, Gesnita Nugraheni, Arie Sulistyarini, **Mufarrihah**, Catur Dian Setiawan. Factors Related to Barriers and Medication Adherence in Patients with Type 2 Diabetes Mellitus: a Cross-Sectional Study, *Journal of Diabetes & Metabolic Disorders*, 2022
5. Liza Pristiany, **Mufarrihah**. Korelasi Iklan Obat Demam di Televisi Terhadap , Pemilihan Obat pada Swamedikasi, *Jurnal Sains Farmasi & Klinis* Vol. 08 No. 03, 2021
6. Ariffio Dava Prihandoyo, Gede Parisudha Tegeh Putra, Lavinia Gunawan, Nadia Natsya Al Khalifi, Nurul A'ilda Ma'rufah, Putu Anindita Saraswati, Rifqi Anindita Karunia, Romandani Puspita, Selvia Febriana Astuti, Siti Khotijah, **Mufarrihah**. Pengetahuan dan Perilaku Mahasiswa Terkait Computer Vision Syndrome(CVS) serta Penggunaan dan Penyimpanan Obat Tetes Mata sebagai Penanganannya, *Jurnal Farmasi Komunitas*, Volume 8 No. 2, 2021
7. Yohana Febriani Putri Peu Patty, **Mufarrihah**, and Yunita Nita. Cost of illness of diabetes mellitus in Indonesia: a systematic review, *J Basic Clin Physiol Pharmacol* Vol. 32(4), 2021
8. Hanni P. Puspitasari, Dhita Fatmaningrum, Sa'adatus Zahro, Shofi Salsabila, Zulfia A. Rizqulloh, Ana Yuda, **Mufarrihah**, Anila I. Sukorini, Neny Purwitasari. Challenges in provision of natural medicines by community pharmacist in East Java Province, Indonesia, *J Basic Clin Physiol Pharmacol* Vol. 32(4), 2021
9. Yunita Nita, Dias Putri Wardanasari, Diva Ariadne Cerelia, Fitri Nurmalasari, Tutut Dwi Cahyati, Abdul Rahem, Liza Pristiany, **Mufarrihah**. Cost of Illness Study of Type 2 Diabetes Mellitus in Indonesia, *International Journal of Pharmaceutical Research* Vol. 13 Issue 1, 2021
10. Nida Septioning Sukma, Devy Maulidya Cahyani, Yuniar Tri Saskia Revi, Evelyn Clarissa Febiany, Fatihatul Alifiyah, Berlian Sarasitha Hariawan, Iffah Khosyyatillah, Ni'matul Khoiriyyah, Savira Putri Ayuningtyas, Firda Rosyidah, **Mufarrihah**. Pemilihan Analgesik Eksternal untuk Mengatasi Nyeri Otot pada Kuli Angkut Pusat Grosir Surabaya, *Jurnal Farmasi Komunitas*, Volume 7 No. 1, 2020
11. Catur Dian Setiawan, Nurul Wathaniah, Atikah Rahmaniah, Primanda Ayu Maharani, Azzahroh Sifa' Lailiyah Mahmudah, **Mufarrihah**, Gusti Noorrizka Veronika Achmad. The Influence of Medication

	Days' Supply on Adherence and Cost of Hypertensive Patients at Primary Health Care Centre, Indonesian Journal of Pharmacy Vol. 28 No. 4, 2017
Participations in specialist organizations over the past five years	The regional administrator of Indonesian Pharmacist Association Jawa Timur

Name	apt. Gesnita Nugraheni, S.Farm., M.Sc.			
Position	Lecturer, Department of Pharmacy Practice			
Academic Career	Master	College of Pharmacy and Pharmaceutical Science, University of Toledo	2013	
	Profesi Apoteker	Fakultas Farmasi Universitas Airlangga, Surabaya, Indonesia	2008	
	S1 Sarjana Pendidikan Apoteker	Fakultas Farmasi Universitas Airlangga, Surabaya, Indonesia	2007	
Employment	Position	Employer	Period	
	Lecturer	Faculty of Pharmacy Universitas Airlangga	Dec 2008-present	
Research and developmet projects over the past five years	Project Name	Duration	Partners	Funding
	Analisa Hubungan Medication Adherence Barriers dan Kepatuhan Pengobatan pada Penyakit Kronis di Puskesmas Wilayah Surabaya (Elida Zairina, Arie Sulistyarini, Gesnita Nugraheni)	1 year	-	(RKAT) Universitas Airlangga 2019
	Pengetahuan, Sikap, dan Praktek tentang Pengelolaan dan Pembuangan Sampah Obat oleh Masyarakat di Surabaya ((Elida Zairina, Arie Sulistyarini, Gesnita Nugraheni)	1 year	-	(RKAT) Universitas Airlangga 2020
	Identifikasi Faktor Kepatuhan Pengobatan dan Skrining Faktor Risiko sebagai Upaya Preventif dan Promotif untuk Menekan Prevalensi Penyakit Tidak Menular	2 years	-	DRPM 2019-2020
	Observasi Sampah Obat di Rumah Tangga dan Penanganannya: Studi Observasional dan Survey KAP	1 year	-	(RKAT) Universitas Airlangga 2023
Cooperation with the industry over the past five years	-			
Patent and protected rights	-			

<p>Important publications over the last 5 years</p>	<p>Total Publications: 6</p> <ol style="list-style-type: none"> 1. U Athiyah, CD Setiawan, G Nugraheni, E Zairina, W Utami, 2019, Assessment of pharmacists' knowledge, attitude and practice in chain community pharmacies towards their current function and performance in Indonesia, <i>Pharmacy Practice (Granada)</i> 17 (3) 2. E Zairina, G Nugraheni, A Sulistyarini, Mufarrihah, CD Setiawan, 2022, Factors related to barriers and medication adherence in patients with type 2 diabetes mellitus: a cross-sectional study, <i>Journal of Diabetes & Metabolic Disorders</i> 21 (1), 2022; 219-228 3. E Zairina, G Nugraheni, GNV Achmad, A Sulistyarini, Y Nita, A Bakhtiar, 2022, Efficacy of an education session by pharmacists for patients with asthma: protocol and design of a randomized controlled trial, <i>JMIR Research Protocols</i> 7 (12), e10210 4. S Faisal, E Zairina, S Nathishuwan, J Khotib, SA Kristina, G Nugraheni, 2023, Prevalence and Predictors of Excessive Polypharmacy in Geriatric Inpatients: A Retrospective Cross-Sectional Study in Indonesia, <i>Journal of primary care & community health</i> 14 5. E Zairina, AB Azzahrya, G Nugraheni, A Sulistyarini, 2023, Knowledge, attitudes, and practices for using and disposing of antibiotics: A cross-sectional study at an Indonesian community, <i>Pharmacy Education</i> 23 (4), 110-115 6. D Parwati, G Nugraheni, Y Nita, 2023, Translation and Cultural Adaptation of Multi-Attribute Utility Instrument (MAUI) Indonesian Version of the 15D Questionnaire., <i>Pharmacy & Pharmaceutical Sciences Journal</i>
<p>Participations in specialist organizations over the past five years</p>	<p>Member of Indonesian Pharmacist Association (secretary of Indonesian Pharmacist Association chapter Surabaya)</p>

Name	I Nyoman Wijaya			
Position	Lecturer, Department of Pharmacy Practice			
Academic Career	Doctor Pharmacy	Fakultas Farmasi Universitas Airlangga, Surabaya, Indonesia		2022
	Master	Fakultas Farmasi Universitas Airlangga, Surabaya, Indonesia		2004
	Profesi Apoteker	Fakultas Farmasi Universitas Airlangga, Surabaya, Indonesia		1996
	S1 Sarjana Pendidikan Apoteker	Fakultas Farmasi Universitas Airlangga, Surabaya, Indonesia		1995
Employment	Position	Employer	Period	
	Lecturer	Faculty of Pharmacy Universitas Airlangga	1998-present	
Research and development projects over the past five years	Project Name	Duration	Partners	Funding
	Assessment Drug Therapy Problems pada pasien hipertensi di puskesmas wilayah Surabaya	2 years	Puskesmas wilayah Surabaya	Mandiri
Cooperation with the industry over the past five years	-			
Patent and protected rights	Pharmacist Practice Module			
Important publications over the last 5 years	<p>Total Publications: 6</p> <ol style="list-style-type: none"> 1. Wijaya, I.N., Umi Athiyah, Fasich, Abdul Rahem, Andi Hermansyah. (2023). The association between drug therapy problems and blood pressure control of patients with hypertension in public health center setting. <i>Journal of Public Health in Africa</i>, volume 14(s1),2531. 2. Wijaya, I.N., Umi Athiyah, Fasich, Andi Hermansyah. (2020). Knowledge, attitude, and practice of pharmacists towards management of hypertension in primary care centers. <i>Journal of Basic and Clinical Physiology and Pharmacology</i>. 3. Muhammad Rizky Putrajaya, I Nyoman Wijaya, Gesnita Nugraheni, 2019. Indonesia Towards Universal Health Coverage: Indonesia Health Card Holders Satisfaction on Pharmaceutical Service at Primary Health Cares. <i>Indian Journal of Public Health Research & Development</i>, June 2019, Vol.10, No. 6. 4. Assyifa Ilmi Auliya, I Nyoman Wijaya, Catur Dian Setiawan, Gesnita Nugraheni, 2019. BPJS Kesehatan Patients Satisfaction on Pharmaceutical Services in Community Health Center (PUSKESMAS)—South Surabaya Area. <i>Indian Journal of Public Health Research & Development</i>, September 2019, Vol.10, No. 9. 5. Wiwied Ekasari, Suko Hardjono, Sugijanto, Juni Ekowati, I Nyoman Wijaya, Tri Widiandani, 2021. The Knowledge Of Lombok Praya- 			

	<p>Indonesia Regional Community On The Safety Use Of Medicinal Plants. Berkala Kedokteran, Vol. 17 No. 2, Sep 2021: 113-124.</p> <p>6. Abdul Rahem*, Yuni Priyandani, Arie Sulistyarini, Ana Yuda, I Nyoman Wijaya, Gusti Noorrizka Veronika Achmad, Gesnita Nugraheni, Wahyu Utami, Umi Athiyah, Liza Pristianty, Andi Hermansyah, 2022. Training On The Correct Use Of Drug And How To Overcome Side Effects For Tuberculosis (Tb) Patients In Pamekasan District. JPMIK, Vol. 3, No. 1, Januari 2022 : 01-06.</p>
<p>Participations in specialist organizations over the past five years</p>	<p>Member of Indonesian Pharmacist Association</p>

Name	Dr. apt. Wenny Putri Nilamsari, SpFRS				
Position	Lecturer, Department of Pharmaceutical Sciences				
Academic Career	Doctor Pharmacy	Fakultas Farmasi Universitas Airlangga, Surabaya, Indonesia	2022		
	Master	Fakultas Farmasi Universitas Airlangga, Surabaya, Indonesia	2009		
	Profesi Apoteker	Fakultas Farmasi Universitas Airlangga, Surabaya, Indonesia	2006		
	S1 Sarjana Pendidikan Apoteker	Fakultas Farmasi Universitas Airlangga, Surabaya, Indonesia	2005		
Employment	Position	Employer	Period		
	Lecturer	Faculty of Pharmacy Universitas Airlangga	2008-present		
Research and development projects over the past five years	Project Name		Duration	Partners	Funding
	Ketercapaian Target LDL-C dan Hambatan Ketercapaian Target Sebagai Upaya Untuk memberikan Masukan Kebijakan JKN		2023		(RKAT) Universitas Airlangga
	Edukasi Pada Pasien Paska PJK Sebagai Upaya Untuk Meningkatkan Pengetahuan Pasien dalam Program Rehabilitasi		2023		(RKAT) Universitas Airlangga
	Faktor faktor Yang berpengaruh Terhadap Kepatuhan dan Capaian HbA1C pada Pasien yang Menggunakan Insulin		2020		Ministry of Research and Higher Education
Cooperation with the industry over the past five years	-				
Patent and protected rights	-				
Important publications over the last 5 years	Total Publications: 9 1. Budi Suprapti, Zamrotul Izzah , Ade Giriayu Anjani , Mareta Rindang Andarsari , Wenny Putri Nilamsari , Cahyo Wibisono Prevalence of medication adherence and glycemc control among patients with type 2 diabetes and influencing factors: A cross-sectional study. Global Epidemiology Volume 5, December 2023, 2. Adverse drug reaction and its management in tuberculosis patients with multidrug resistance: A retrospective study. Nilamsari, Wenny Putri, Rizqi, Muhammad Fajar, Regina, Natasya Olga Wulaningrum, Prastuti Asta, Fatmawati, Umi. JBCPP. Volume 32, Issue 4, Pages 783 - 787 July 2021				

	<ol style="list-style-type: none"> 3. Wenny Putri. How Common Drug-Drug Interactions among In & Out-patients is? PROCEEDING OF CONTINUING MEDICAL EDUCATION Cardiology And Vascular Medicine Department Universitas Airlangga In Conjunction With SURABAYA CARDIOLOGY UPDATE. ISSN: 2774-2369 4. Wenny Putri, Suharjono, Budi Suprapti, Bambang Subakti, M Yusuf. The Sudy of Coprescription of Drug Potentially Interacting With Warfarin. RJPT. 2020 5. Dien Amalia, Wenny Putri, Wardah Islamiah. The patterns of antihypertensive drugs use in acute hemorrhagic stroke patients. RJPT. Volume 13, Issue 2, Pages 547 - 554 February 2020 6. Suprapti, Budi, Nilamsari, Wenny Putri, Rachmania, Widodo, Alderman, Chris. Medical problems in patients with chronic kidney disease undergoing hemodialysis and their therapy. JBCPP 2019 7. Effects of probiotics and Vitamin B supplementation on IFN-γ and IL-12 levels during intensive phase treatment of tuberculosis Suprapti, Suharjono, Raising, Rahmawati, Yulistiani, Izzah, Zamrotul, Nilamsari, Wenny Putri, Wulaningrum, Prastuti Asta IJP. 2018 8. The characterization of bovine bone-derived hydroxyapatite isolated using novel non-hazardous method. Setiya Budiatin, Aniek, Samirah, Apriliani Gani, Maria, Putri Nilamsari, Wenny Ardianto, Chrismawan. Journal of Biomimetic, Biomaterial and Bioengineering. Volume 45, Pages 49 – 56 2020 9. Bovine hydroxyapatite extraction from cow bone waste as raw material for Bone Screw. Aniek Setiya Budiatin*, Dyah Hikmawati*, Samirah, Toetik Aryani, Wenny P.N, Profenika Munasir, Oky Savitri Zaini, and Dinda Citra Aprilia. Ecology, Environment and Conservation, Vol. 26, No. 2020; pp. 46-50 (Maret 2020)
Participations in specialist organizations over the past five years	Member of Indonesian Pharmacist Association

Name	apt. Mareta Rindang Andarsari, S.Farm., M.Farm.Klin			
Position	Lecturer at Department of Pharmacy Practice (Clinical Pharmacy)			
Academic Career	<ul style="list-style-type: none"> • Master in Clinical Pharmacy, Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2017 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2012 • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2011 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2014-Present	
Research and Development projects over the past five years	Project Name	Duration	Partners	Funding
	Evaluasi Kejadian Resistensi Antibiotika pada Pasien Sepsis sebagai Langkah Awal dalam Perencanaan Program Penatagunaan Antibiotika	2023	-	(RKAT) Universitas Airlangga
	Analisis Kuantitatif dan Kualitatif Penggunaan Antibiotika pada Pasien Penyakit Dalam sebagai Acuan Prediksi Kejadian Resistensi Antibiotika	2022	-	(RKAT) Universitas Airlangga
	Pengaruh Hidrasi Manitol/Furosemide post Kemoterapi Cisplatin terhadap Perubahan Nilai Serum Elektrolit pada Pasien Kanker Kepala Leher	2019	-	(RKAT) Universitas Airlangga
	Perbandingan efektivitas Manitol dan Furosemide untuk Pencegahan Nefrotoksisitas akibat Pemberian Kemoterapi Cisplatin pada Pasien Kanker Kepala Leher	2018	-	(RKAT) Universitas Airlangga
	Analisis Faktor terkait Insiden Permasalahan terkait Obat dan Pencapaian Target Terapi pada Pasien DM-2 Rawat Jalan	2018	-	(RKAT) Universitas Airlangga
Cooperation with the Industry over the past five years	-			
Patent and Protected rights	-			
Publications	Total Publications: 16			

1. Kartikasari, B. K.; Samirah, S.; Zairina, E. The Assessment of Patient Safety Culture among Doctors, Nurses, and Pharmacists in A Public Hospital in Indonesia. *Journal of Management and Pharmacy Practice* 2023, 13 (2), 104-112. <https://doi.org/10.22146/jmpf.83575>.
2. Aryani, T.; Rahmawati, R. K.; Cintyadewi, N. P.; Puspitasari, A. D.; Rasyid, A. N.; Samirah, S. Patterns of Bronchodilator Therapy in Asthmatic Outpatients. *Journal of Public Health in Africa* 2023. <https://doi.org/10.4081/jphia.2023.2533>.
3. Samirah, S.; Aryani, T.; Puspitasari, A. D.; Ibrahim, M. A.; Lutfiyah, B. I.; Rosyid, A. N. Therapy Pattern of Bronchodilators in Chronic Obstructive Pulmonary Disease (COPD) Patients with Acute Exacerbations. *Pharmacy Education* 2023, 23 (4), 224–227. <https://doi.org/10.46542/pe.2023.234.224227>.
4. Hasmono, D.; Samirah, S.; Gayatri, N. P. A. D.; Ni'mawati, N.; Jaya, H.; Triono, E. A. Antidiabetic Drug Profile of COVID-19 Patients with Comorbid Diabetes Mellitus. *Pharmacy Education* 2023, 23 (4), 168–172. <https://doi.org/10.46542/pe.2023.234.168172>.
5. Samirah, S.; Indrayanti, K.; Nurhan, A. D.; Softyana, V.; Pradipta, N. R.; Ardianto, C.; Yulistiani, Y.; Rahmadi, M. Andrographolide and Epigallocatechin Gallate (EGCG) Lower the Risk of Addiction Induced by Nicotine and Cigarette Smoke Extract (CSE) in Mice. *Pharmaceutical Sciences* 2022. <https://doi.org/10.34172/ps.2022.2>.
6. Budiatin, A. S.; Gani, M. A.; Putri, B. R. K. H.; Samirah, S.; Hikmawati, D.; Putra, A. P.; Su'aidah, N.; Khotib, J. In Vivo Study of Bovine Hydroxyapatite-Gelatin-Hydroxypropyl Methylcellulose with Alendronate as Injectable Bone Substitute Composite in Osteoporotic Animal Model. *DOAJ (DOAJ: Directory of Open Access Journals)* 2022, 13 (4), 261–265. https://doi.org/10.4103/japtr.japtr_266_22.
7. Budiatin, A. S.; Khotib, J.; Samirah, S.; Ardianto, C.; Gani, M.A.; Putri, B. R. K. H.; Arofik, H.; Sadiwa, R. N.; Lestari, I.; Pratama, Y. A.; Rahadiansyah, E.; Susilo, I. Acceleration of Bone Fracture Healing through the Use of Bovine Hydroxyapatite or Calcium Lactate Oral and Implant Bovine Hydroxyapatite–Gelatin on Bone Defect Animal Model. *Polymers* 2022, 14 (22), 4812. <https://doi.org/10.3390/polym14224812>.
8. Samirah; Budiatin, A. S.; Mahyudin, F.; Khotib, J. Fabrication and Characterization of Bovine Hydroxyapatite-Gelatin- Alendronate Scaffold Cross-Linked by Glutaraldehyde for Bone Regeneration. *Journal of Basic and Clinical Physiology and Pharmacology* 2021, 32 (4), 555–560. <https://doi.org/10.1515/jbcpp-2020-0422>.
9. Budiatin, A. S.; Gani, M. A.; Samirah; Ardianto, C.; Raharjanti, M.; Septiani, I.; Putri, N. P. K. P.; Khotib, J. Bovine Hydroxyapatite-Based Bone Scaffold with Gentamicin Accelerates Vascularization and Remodeling of Bone Defect. *International Journal of Biomaterials* 2021, 2021, 1–7. <https://doi.org/10.1155/2021/5560891>.

	<p>10. Budiatin, A. S.; Gani, M. A.; Ardianto, C.; Samirah; Pattah, S. Y.D.; Mubarakah, F.; Khotib, J. The Impact of Glutaraldehyde on the Characteristics of Bovine Hydroxyapatite-Gelatin Based Bone Scaffold as Gentamicin Delivery System. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> 2021, 32 (4), 687–691. https://doi.org/10.1515/jbcpp-2020-0405.</p> <p>11. Budiatin, A. S.; Samirah; Gani, M. A.; Nilamsari, W. P.; Ardianto, C.; Khotib, J. The Characterization of Bovine Bone- Derived Hydroxyapatite Isolated Using Novel Non-Hazardous Method. <i>Journal of Biomimetics, Biomaterials and Biomedical Engineering</i> 2020, 45, 49–56. https://doi.org/10.4028/www.scientific.net/jbbbe.45.49.</p> <p>12. Budiatin, A. S.; Hikmawati, D.; Putra, A.P.; Siswanto; Samirah; Aryani, T.; Nilamsari, W.P. Exploration of Bovine Bone Waste as Source of Bovine Hydroxyapatite Synthesis and Its Composite with Gelatin-Hydroxy Propyl Methyl Cellulose as Injectable Bone Substitute. <i>Ecology, Environment and Conservation</i> 2020, 26 (2020), 135-140. http://doi.org/10.53550/EEC.2022.v28i03.024.</p> <p>13. Budiatin, A. S.; Hikmawati, D.; Samirah; Aryani, T; Nilamsari, W. P.; Munasir, P.; Zaini, O.S.; Aprilia, D.C. Bovine Hydroxyapatite Extraction from Cow Bone Waste as Raw Material for Bone Screw. <i>Ecology, Environment and Conservation</i> 2020, 26 (2020), 46-50.</p> <p>14. Khotib, J.; Lasandara, C. S.; Samirah, S.; Budiatin, A. S. Acceleration of Bone Fracture Healing through the Use of Natural Bovine Hydroxyapatite Implant on Bone Defect Animal Model. <i>Folio Medica Indonesiana</i> 2019, 55 (3), 176. https://doi.org/10.20473/fmi.v55i3.15495.</p> <p>15. Andarsari, M. R.; Hasmono, D.; Samirah, S.; Suharjo, S.; Nabilah, D. A.; Sugianto, P. Drug Utilization Study of Antibiotics in Bacterial Meningitis (A Retrospective Study in Dr. Soetomo General Hospital, Surabaya, Indonesia). <i>Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia</i> 2019, 4 (2), 81-83. https://doi.org/10.20473/jfiki.v4i22017.80-83.</p> <p>16. Budiatin, A. S.; Lasandara, C. S. A.; Khotib, J.; Samirah, S. Effectiveness of Injectable Alendronat for Bone Defect Due to Osteoporosis. <i>Health Notions</i> 2019, 3 (1), 8–12. https://doi.org/10.33846/hn.v3i1.291.</p>
Participations In Specialist Organizations over the past five years	Member of Indonesian Pharmacist Association

Name	Dr. Samirah, S.Si., Sp.FRS., Apt.			
Position	Lecturer at Department of Pharmacy Practice (Clinical Pharmacy)			
Academic Career	<ul style="list-style-type: none"> • Doctor in Pharmaceutical Sciences. Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2021 • Master in Clinical Pharmacy, Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2008 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2003 • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2002 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2003-Present	
	Hospital Consultant	Universitas Airlangga Hospital	2016-2019	
Research and Development projects over the past five years	Project Name	Duration	Partners	Funding
	Efektifitas Komposit Alendronat pada Penggunaan Bioscrew sebagai Fiksasi Fraktur Tulang	2023	-	Universitas Airlangga
	Efektivitas penggunaan antiretroviral pada Covid-19	2022	-	Universitas Airlangga
	Akselarasi Bone Healing Scaffold Nanobovine Hidroksiapatit -Gelatin dalam defek tulang	2021/2022	-	Ministry of Research and Higher Education
	Analisis Uji Radiologi, Immunohistokimia dan Histopatologi dari Scaffold Gelatin- Chitosan diklofenak sebagai pengganti Kartilago dan penghambat Inflamasi Osteoarthritis	2020/2021	-	Universitas Airlangga
	3D Printing Biodegradabel Screw Berbasis PLA Berpengisi Bovin Hidroksiapatit, Gelatin, dan Alendronat	2020/2022	-	Ministry of Research and Higher Education
	Industrialisasi Bovin Hidroksiapatit sebagai Bahan Baku Biokompatibel Bonegraft	2019/2020	-	Ministry of Research and Higher Education
	Pengembangan Produk Bonegraft dalam Inovasi Tehnologi Kesehatan Guna Pencegahan Kecacatan Tulang	2019/2020	-	Ministry of Research and Higher Education

	Pengembangan Produk Bonegraft Halal Dari Tulang Sapi	2018/2019	-	Universitas Airlangga
	Scaffold Gelatin-Chitosan sebagai Sistem Penghantaran Diklofenak dan Pengganti Kartilago pada Osteoarthritis	2018/2019	-	Ministry of Research and Higher Education
	Scaffold Gelatin-Chitosan sebagai Sistem Penghantaran Diklofenak dan Pengganti Kartilago pada Osteoarthritis	2017/2018	-	Ministry of Research and Higher Education
	Bonegraft Bhagenta sebagai Pengisi/Pengganti Tulang dan Antiinfeksi pada Celah Tulang	2017/2018	-	Ministry of Research and Higher Education
	Injektabel Komposit Bovine Hydroxyapatite-Gelatin sebagai Sistem Penghantaran Alendronat pada Celah (Defect) Akibat Osteoporosis	2016/2017	-	Ministry of Research and Higher Education
Cooperation with the Industry over the past five years	PT. EKA ORMED PT. INOBI			
Patent and Protected rights	<ol style="list-style-type: none"> 1. Komposisi, Proses Pembuatan Scaffold Bentuk Pelet dari Bovin Hidroksiapatit - Gelatin Tulang Sapi sebagai Pengganti Tulang pada Defek Tulang. Paten Nasional, Tanggal Penerimaan 9 Agustus 2022. No. Permohonan: S00202208393 2. Proses Produksi Nano Hidroksiapatit Sapi sebagai Biomaterial untuk Rekonstruksi Jaringan Tulang. Paten Nasional, Tanggal Penerimaan 1 Juli 2022. No. Permohonan P00202207118. 3. Proses Ekstraksi Bovin Hidroksiapatit dari Femur Tulang Sapi. Tanggal Pemberian 13 Januari 2022. Sertifikat Grated IDP 000080813 4. Proses Pembuatan Bioscrew Berbasis Polylactic Acid Berpengisi Bovin Hidroksiapatit, Gelatin dan Alendronat. Paten Nasional, Tanggal Penerimaan 29 November 2021. Patent number P00202104361 5. Komposisi Pelet dari Bovine Hidroksiapatit-Gelatin dan Alendronat, Proses Pembuatannya dan Penggunaannya sebagai Bone Filler pada Penyakit Osteoporosis. Tanggal Pemberian 25 September 2019. Sertifikat Paten IDP000062822 			
Publications	Total Publications: 16 17. Kartikasari, B. K.; Samirah, S.; Zairina, E. The Assessment of Patient Safety Culture among Doctors, Nurses, and Pharmacists in A Public			

Hospital in Indonesia. *Journal of Management and Pharmacy Practice* 2023, 13 (2), 104-112. <https://doi.org/10.22146/jmpf.83575>.

18. Aryani, T.; Rahmawati, R. K.; Cintyadewi, N. P.; Puspitasari, A. D.; Rasyid, A. N.; Samirah, S. Patterns of Bronchodilator Therapy in Asthmatic Outpatients. *Journal of Public Health in Africa* 2023. <https://doi.org/10.4081/jphia.2023.2533>.
19. Samirah, S.; Aryani, T.; Puspitasari, A. D.; Ibrahim, M. A.; Lutfiyah, B. I.; Rosyid, A. N. Therapy Pattern of Bronchodilators in Chronic Obstructive Pulmonary Disease (COPD) Patients with Acute Exacerbations. *Pharmacy Education* 2023, 23 (4), 224–227. <https://doi.org/10.46542/pe.2023.234.224227>.
20. Hasmono, D.; Samirah, S.; Gayatri, N. P. A. D.; Ni'mawati, N.; Jaya, H.; Triono, E. A. Antidiabetic Drug Profile of COVID-19 Patients with Comorbid Diabetes Mellitus. *Pharmacy Education* 2023, 23 (4), 168–172. <https://doi.org/10.46542/pe.2023.234.168172>.
21. Samirah, S.; Indrayanti, K.; Nurhan, A. D.; Softyana, V.; Pradipta, N. R.; Ardianto, C.; Yulistiani, Y.; Rahmadi, M. Andrographolide and Epigallocatechin Gallate (EGCG) Lower the Risk of Addiction Induced by Nicotine and Cigarette Smoke Extract (CSE) in Mice. *Pharmaceutical Sciences* 2022. <https://doi.org/10.34172/ps.2022.2>.
22. Budiatin, A. S.; Gani, M. A.; Putri, B. R. K. H.; Samirah, S.; Hikmawati, D.; Putra, A. P.; Su'aidah, N.; Khotib, J. In Vivo Study of Bovine Hydroxyapatite-Gelatin-Hydroxypropyl Methylcellulose with Alendronate as Injectable Bone Substitute Composite in Osteoporotic Animal Model. *DOAJ (DOAJ: Directory of Open Access Journals)* 2022, 13 (4), 261–265. https://doi.org/10.4103/japtr.japtr_266_22.
23. Budiatin, A. S.; Khotib, J.; Samirah, S.; Ardianto, C.; Gani, M.A.; Putri, B. R. K. H.; Arofik, H.; Sadiwa, R. N.; Lestari, I.; Pratama, Y. A.; Rahadiansyah, E.; Susilo, I. Acceleration of Bone Fracture Healing through the Use of Bovine Hydroxyapatite or Calcium Lactate Oral and Implant Bovine Hydroxyapatite–Gelatin on Bone Defect Animal Model. *Polymers* 2022, 14 (22), 4812. <https://doi.org/10.3390/polym14224812>.
24. Samirah; Budiatin, A. S.; Mahyudin, F.; Khotib, J. Fabrication and Characterization of Bovine Hydroxyapatite-Gelatin- Alendronate Scaffold Cross-Linked by Glutaraldehyde for Bone Regeneration. *Journal of Basic and Clinical Physiology and Pharmacology* 2021, 32 (4), 555–560. <https://doi.org/10.1515/jbcpp-2020-0422>.
25. Budiatin, A. S.; Gani, M. A.; Samirah; Ardianto, C.; Raharjanti, M.; Septiani, I.; Putri, N. P. K. P.; Khotib, J. Bovine Hydroxyapatite-Based Bone Scaffold with Gentamicin Accelerates Vascularization and Remodeling of Bone Defect. *International Journal of Biomaterials* 2021, 2021, 1–7. <https://doi.org/10.1155/2021/5560891>.
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	<p>Scaffold as Gentamicin Delivery System. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> 2021, 32 (4), 687–691. https://doi.org/10.1515/jbcpp-2020-0405.</p> <p>27. Budiatin, A. S.; Samirah; Gani, M. A.; Nilamsari, W. P.; Ardianto, C.; Khotib, J. The Characterization of Bovine Bone- Derived Hydroxyapatite Isolated Using Novel Non-Hazardous Method. <i>Journal of Biomimetics, Biomaterials and Biomedical Engineering</i> 2020, 45, 49–56. https://doi.org/10.4028/www.scientific.net/jbbbe.45.49.</p> <p>28. Budiatin, A. S.; Hikmawati, D.; Putra, A.P.; Siswanto; Samirah; Aryani, T.; Nilamsari, W.P. Exploration of Bovine Bone Waste as Source of Bovine Hydroxyapatite Synthesis and Its Composite with Gelatin-Hydroxy Propyl Methyl Cellulose as Injectable Bone Substitute. <i>Ecology, Environment and Conservation</i> 2020, 26 (2020), 135-140. http://doi.org/10.53550/EEC.2022.v28i03.024.</p> <p>29. Budiatin, A. S.; Hikmawati, D.; Samirah; Aryani, T; Nilamsari, W. P.; Munasir, P.; Zaini, O.S.; Aprilia, D.C. Bovine Hydroxyapatite Extraction from Cow Bone Waste as Raw Material for Bone Screw. <i>Ecology, Environment and Conservation</i> 2020, 26 (2020), 46-50.</p> <p>30. Khotib, J.; Lasandara, C. S.; Samirah, S.; Budiatin, A. S. Acceleration of Bone Fracture Healing through the Use of Natural Bovine Hydroxyapatite Implant on Bone Defect Animal Model. <i>Folio Medica Indonesiana</i> 2019, 55 (3), 176. https://doi.org/10.20473/fmi.v55i3.15495.</p> <p>31. Andarsari, M. R.; Hasmono, D.; Samirah, S.; Suharjono, S.; Nabilah, D. A.; Sugianto, P. Drug Utilization Study of Antibiotics in Bacterial Meningitis (A Retrospective Study in Dr. Soetomo General Hospital, Surabaya, Indonesia). <i>Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia</i> 2019, 4 (2), 81-83. https://doi.org/10.20473/jfiki.v4i22017.80-83.</p> <p>32. Budiatin, A. S.; Lasandara, C. S. A.; Khotib, J.; Samirah, S. Effectiveness of Injectable Alendronat for Bone Defect Due to Osteoporosis. <i>Health Notions</i> 2019, 3 (1), 8–12. https://doi.org/10.33846/hn.v3i1.291.</p>
Participations In Specialist Organizations over the past five years	Member of Indonesian Pharmacist Association

Name	Dr. apt. Tri Widiandani, Sp.FRS			
Position	Lecturer at Department of Pharmaceutical Sciences (Pharmaceutical Chemistry)			
Academic Career	<ul style="list-style-type: none"> • Doctor in Pharmaceutical Sciences. Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2017 • Master of Pharmacy, Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2008 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2004 • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2003 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2005-Present	
Research and Development projects over the past five years	Project Name	Duration	Partners	Funding
	Aktivitas Antikanker Payudara dengan ekspresi HER-2 berlebih dari beberapa senyawa turunan Aliltiourea (ketua)	2 (2019)	-	DRPM (Ministry of Research and Higher Education)
	Potensi Efek Sinergi Kombinasi Senyawa Turunan BATU (3-Benzoil Aliltiourea) dengan Lapatinib Terhadap Sel Kanker Payudara MCF-7	1 (2020)	-	DRPM (Ministry of Research and Higher Education)
	Konversi Kimia Ekstrak Buah Makasar Secara Ammonolisis Dan Potensinya Sebagai Anti Tuberkulosis (anggota)	1 (2021)	-	Universitas Airlangga
	Studi In Silico Dan Uji Aktivitas Antikanker Pinostrobin Asetat Pada Sel Kanker Payudara Dan Selektivitasnya Pada Sel Normal Secara In Vitro (Ketua)	1 (2022)	-	Universitas Airlangga
	Aktivitas Antikanker Payudara dari senyawa Pinostrobin Propionat dan Pinostrobin Butirat secara In Silico dan In Vitro (Ketua)	1 (2023)	-	Universitas Airlangga
	Sintesis Turunan 5-O-Benzoilpinostrobin dari Pinostrobin Hasil Isolasi dari Temu Kunci (Boesenbergia pandurata) sebagai Kandidat Senyawa Antikanker Payudara	1 (2023)	-	Universitas Airlangga

	Design and Synthesis of Salicylic Hydrazide's Derivatives as Potential Human	1 (2023)	-	Universitas Airlangga
Cooperation with the Industry over the past five years	-			
Patent and Protected rights	-			
Publications	<ol style="list-style-type: none"> 1. Tutik Sri Wahyuni, Dzul Azmi, Adita Ayu permatasari, Myrna Adianti, Lydia Tumewu, Tri Widiandani, Chie Aoki Utsubo, Aty Widyawaruyantia, Achmad Fuad Chie Aoki-Utsubod and Hak Hotta, 2019, Antiviral activities of phillantus niruri against hepatitis C virus, Malaysian Applied Biology. Vol: 48(3):105-111 http://journals.itb.ac.id/index.php/jmfs/article/view/12580 2. Agriana Rosmalina Hidayati, Aty Widyawaruyanti, Hilkatul Ilmi, Mulyadi Tanjung, Tri Widiandani, Siswandono, Din Syafruddin, Achmad Fuad Hafid, 2019, Antimalarial activity of flavonoid compound isolated from leaves of artocarpus altilis, Pharmacognosy Journal. Vol. 12 (4): 835-842 https://www.phcogj.com/sites/default/files/PharmacognJ-12-4-835_0.pdf 3. Suko Hardjono, Tri Widiandani, Bambang T. Purwanto, Anindi L. Nasyanka, 2019, Molecular Docking of N-benzoyl-N'-(4-fluorophenyl) thiourea Derivatives as Anticancer Drug Candidate and Their ADMET Journal of Pharmaceutical Technology. Volume 12(5): 2160-2166. http://www.indianjo ue=5&article=018 4. Tri Widiandani, Siswandono, Edy Meiyanto, 2020, Anticancer evaluation of N-benzoyl-3-allylthiourea as potential antibreast cancer agent through enhances HER-2 expression, Journal of Advanced Pharmaceutical Technology & Research. Vol. 11 (4): 164-168. https://www.japtr.org/text.asp?2020/11/4/163/297698 5. Siswandono, Retno Widyowati, Andi Suryadi, Tri Widiandani, Deka Prismawan, 2020, Molecular Modeling, Synthesis, And Qsar Of 5-O-Acylpinostrobin Derivatives As Promising Analgesic Agent, Rasayan Journal of Chemistry. Vol 13 (4): 2559-2568 http://dx.doi.org/10.31788/RJC.2020.1345749; http://www.rasayanjournal.co.in/archiveissue.php?issueid=57 6. Bambang Tri Purwanto*, Siswandono, Suko Hardjono, Tri Widiandani, 2020, Rational Design, Synthesis and Cytotoxic Activity of N-(Phenylcarbamoyl)Benzamide on HeLa Cell Lines, Journal of Mathematical and Fundamental Sciences. Vol. 52 (2): 174-188 http://dx.doi.org/10.5614%2Fj.math.fund.sci.2019.52.2 			

7. Bambang Tri Purwanto*, Siswandono, Dini Kesuma, Tri Widiandani dan Imam Siswanto, 2021, Molecular Modeling, Admet Prediction, Synthesis And The Cytotoxic Activity From The Novel N-(4-Tert-Butylphenylcarbamoyl) Benzamide Against Hela, *Rasayan Journal of Chemistry*, Vol. 14 (2): 1341 – 1350
http://rasayanjournal.co.in/admin/php/upload/3207_pdf.pdf
8. Bambang Tri Purwanto*, Suko Hardjono, Tri Widiandani, Anindi Lupita Nasyanka, Imam Siswanto, 2021, In Silico Study and ADMET prediction of N-(4-fluorophenylcarbamothioyl) Benzamide Derivatives as Cytotoxic Agents, *Journal of Hunan University (Natural Sciences)*, Vol. 48 (2): 81- 84
<http://jonuns.com/index.php/journal/article/view/515>
9. Andy Suryadi, Siswandono, Tri Widiandani, Retno Widyowati*, 2021, Structure Modifications Of Pinostrobin From Temu Kunci (*Boesenbergia Pandurata* ROXB. SCHLECHT) And Their Analgesic Activity Based On In Silico Studies, *Research Journal of Pharmacy and Technology*. Vol. 14 (5): 2089–2094
<https://rjptonline.org/AbstractView.aspx?PID=2021-14-4-46>
10. Adinda Adelia Wulandari, Achmad Aziz Choiri, Fitria and Tri Widiandani*, 2021, Thymoquinone and its derivatives against breast cancer with HER2 positive: in silico studies of ADMET, docking and QSPR, *Journal of Basic and Clinical Physiology and Pharmacology*. Vol. 32 (4): 393-401
<https://www.degruyter.com/document/doi/10.1515/jbcpp-2020-0431/html>
11. Honey Dzikri Marhaeny, Aty Widyawaruyanti, Tri Widiandani, Achmad Fuad Hafid and Tutik Sri Wahyuni*, 2021, Phyllanthin and hypophyllanthin, the isolated compounds of *Phyllanthus niruri* inhibit protein receptor of corona virus (COVID-19) through in silico approach, *Journal of Basic and Clinical Physiology and Pharmacology*. Vol. 32 (4): 809-815
<https://www.degruyter.com/document/doi/10.1515/jbcpp-2020-0473/pdf>
12. Ersanda Nurma Praditapuspa, Siswandono*, Tri Widiandani, 2021, In silico analysis of pinostrobin derivatives from *boesenbergia pandurata* on ErbB4 kinase target and QSPR linear models to predict drug clearance for searching anti-breast cancer drug candidates, Vol. 13(5), pp. 1143–1149 <https://www.phcogj.com/article/1643>
13. Mohammad Rizki Fadhil Pratama, Ersanda Nurma Praditapuspa, Dini Kesuma, Hadi Poerwono, Tri Widiandani, and S. wandono Siswodihardjo. *Boesenbergia Pandurata* as an Anti-Breast Cancer Agent: Molecular Docking and ADMET Study. *Letters in Drug Design & Discovery*. Volume 19, Number 7, 2022, pp. 606-626 (21)
14. Tri Widiandani, B.T. Purwanto and Siswandono. The Potency Of 4-Nitrobenzoyl-3-Allylthiourea As An Agent Of Breast Cancer With

	Egfr/Her2: In Silico And In Vitro Study. Rasayan Journal of Chemistry.
Participations In Specialist Organizations over the past five years	Member of Indonesian Pharmacist Association

Name	Muhammad Faris Adrianto, M.Farm., Ph.D., Apt.			
Position	Lecturer at Department of Pharmaceutical Sciences (Pharmaceutical Chemistry)			
Academic Career	<ul style="list-style-type: none"> • Post Doctoral Research Fellow, Queen's University Belfast, UK. 2022 • Doctor of Philosophy. Queen's University Belfast, UK. 2021 • Master of Pharmacy. Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2012 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2009 • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2008 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2003-Present	
	Lead Scientist	Re-Vana Therapeutics, UK	2022-Present	
Research and Development projects over the past five years	Project Name	Duration	Partners	Funding
	Development of Preformed Photo-crosslinked Intravitreal Implants for Protein Delivery to the Posterior Segment of the Eye	2017-2021	Queen's University Belfast (Part of Ph.D Thesis)	Queen's University Belfast
	Six-month in vitro release, biocompatibility, and preclinical efficacy of novel photo crosslinked anti- VEGF loaded ocular implants	2021-2022	Re-Vana Therapeutics UK	Innovate UK
	In vitro release and efficacy of bevacizumab loaded intravitreal implant	2022	Alteogen Inc, South Korea	Innovate UK
	Feasibility study of Avacincaptad Pegol/ ACP-loaded implant for the Treatment of Geographic Atrophy	2023	Iveric Bio, US	Iveric Bio, US
	Feasibility study of TC-1545 bispecific antibody as a new drug candidate for treatment of diabetic retinopathy	2023	Trican Biotechnology, Taiwan	Re-Vana Therapeutics, UK
Cooperation with the Industry over the past five years	Re-Vana Therapeutics, Alteogen Inc, Iveric Bio, Trican Biotechnology			

Patent and Protected rights	US and EU patent under process
Publications	<ol style="list-style-type: none"> 1. Isnaeni, Adrianto, M.F, 2019. Antibacterial Activities of Extract n-Butanol-Methanol (1:1) Filtrat of the Fermentation Results of Streptomyces sp. B10 Against Mycobacterium tuberculosis H37Rv: An Experimental Study. Indian Journal of Public Health Research and Development 10(9):115-120 2. Sudjarwo, Adrianto, M.F, 2019. Development and validation of visible spectrophotometric method for the determination of total D- glucose and D-mannose levels calculated as glucomannan in porang powder (Amorphophallus glaucophyllus) and Konjac powder (Amorphophallus konjac) International Journal of Green Pharmacy 13(1): 65 3. Annuryanti F, Domínguez-Robles J, Anjani QK, Adrianto MF, Larrañeta E, Thakur RRS. 2023. Fabrication and Characterisation of 3D-Printed Triamcinolone Acetonide-Loaded Polycaprolactone- Based Ocular Implants. Pharmaceutics. Jan 11;15(1):243. 4. David Waite, Faris M Adrianto, Febri Annuyanti, Yin So, Wenrui Zhang, Sangdi Wang, Yu Wu, Yujing Wang, Thakur Raghu Raj Singh, 2022. Long-acting drug delivery systems for ocular therapies, Editor(s): Eneko Larrañeta, Thakur Raghu Raj Singh, Ryan F. Donnelly, In Woodhead Publishing Series in Biomaterials, Long-Acting Drug Delivery Systems, Woodhead Publishing. 5. Yu Wu, Lalitkumar K. Vora, Yujing Wang, Muhammad Faris Adrianto, Ismaiel A. Tekko, David Waite, Ryan F. Donnelly, Raghu Raj Singh Thakur. 2021. Long-acting nanoparticle-loaded bilayer microneedles for protein delivery to the posterior segment of the eye, European Journal of Pharmaceutics and Biopharmaceutics, Volume 165. 6. Adrianto MF, Annuryanti F, Wilson CG, Sheshala R, Thakur RRS. 2022. In vitro dissolution testing models of ocular implants for posterior segment drug delivery. Drug Deliv Transl Res. Jun;12(6):1355-1375 7. Elizabeth Magill, Sara Demartis, Elisabetta Gavini, Andi Dian Permana, Raghu Raj Singh Thakur, Muhammad Faris Adrianto, David Waite, Katie Glover, Camila J. Picco, Anna Korelidou, Usanee Detamornrat, Lalitkumar K. Vora, Linlin Li, Qonita Kurnia Anjani, Ryan F. Donnelly, Juan Domínguez-Robles, Eneko Larrañeta, 2023. Solid implantable devices for sustained drug delivery Advanced Drug Delivery Reviews, Volume 199.
Participations In Specialist Organizations over the past five years	<ol style="list-style-type: none"> 1. Member of Royal Society of Chemistry (MRSC), UK since 2019. 2. Member of Academy of Pharmaceutical Sciences since October 2019. 3. Postdoctoral Board Chair of United Kingdom Controlled Release Society since February 2023. 4. Member of World Controlled Release Society since February 2019. 5. Member of Chromatographic Society since January 2018. 6. Member of Indonesia Pharmacist Association since 2012.

Name	apt. Melanny Ika Sulistyowaty, MSc., Ph.D.			
Position	Lecturer at Department of Pharmaceutical Sciences (Pharmaceutical Chemistry)			
Academic Career	<ul style="list-style-type: none"> • Doctor of Philosophy in Pharmaceutical Sciences. 2020 • Master in Pharmaceutical Sciences. 2011 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2005 • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2004 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2006	
Research and Development projects over the past five years	Project Name	Duration	Partners	Funding
	Pengembangan Tanaman Obat Asli Indonesia, Curcuma heyneana sebagai Novel Imunomodulator pada Rheumatoid Arthritis	2021	-	Ministry of Research and Higher Education
	Konversi Kimia Ekstrak Buah Makasar secara Ammonolisis dan Potensinya sebagai Antituberkulosis	2021	-	(RKAT) Universitas Airlangga
	Pemanfaatan Bahan Kimia Alam dalam Pemeliharaan Kesehatan Menghadapi Pandemi Covid-19	2021	-	(RKAT) Universitas Airlangga
	Pengembangan Tanaman Obat Asli Indonesia, Curcuma heyneana sebagai Novel Imunomodulator pada Rheumatoid Arthritis (tahun-2)	2022	-	Ministry of Research and Higher Education
	Pelatihan Penguatan Literasi Ilmiah Bahan Kimia Pangan Kepada Produsen dan Pedagang Ikan di Sentra Ikan Bulak Surabaya	2022	-	(RKAT) Universitas Airlangga
	Rancangan Obat untuk Penyakit Tropis Malaria Berbahan Dasar Senyawa Golongan Keton	2023	-	(RKAT) Universitas Airlangga
	Design and Synthesis of Salicylic Hydrazide's Derivatives as Potential Human Lung Cancer Agents	2023	-	(RKAT) Universitas Airlangga
Cooperation with the Industry over the past five years	-			

Patent and Protected rights	-
Publications	<p>Total Publications: 10</p> <ol style="list-style-type: none"> 1. Sulistyowaty MI, Uyen NH, Suganuma K, Chitama B-YA, Yahata K, Kaneko O, Sugimoto S, Yamano Y, Kawakami S, Otsuka H, et al. Six New Phenylpropanoid Derivatives from Chemically Converted Extract of <i>Alpinia galanga</i> (L.) and Their Antiparasitic Activities. <i>Molecules</i>. 2021; 26(6):1756. https://doi.org/10.3390/molecules26061756 2. Sulistyowaty, M., Widyowati, R., Putra, G., Budiati, T. & Matsunami, K. (2021). Synthesis, ADMET predictions, molecular docking studies, and in-vitro anticancer activity of some benzoxazines against A549 human lung cancer cells. <i>Journal of Basic and Clinical Physiology and Pharmacology</i>, 32(4), 385-392. https://doi.org/10.1515/jbcpp-2020-0433 3. Sulistyowaty MI, Setyawan D, Sari R, Paramanandana A, Maharani NA, Simorangkir TP. Preparation and Physicochemical Characterizations of p-Methoxycinnamic acid – Succinic Acid Cocrystal by Solvent Evaporation Technique. <i>Open Access Maced J Med Sci [Internet]</i>. 2022 Jul. 7 [cited 2023 Nov. 14];10(A):1444-9. Available from: https://oamjms.eu/index.php/mjms/article/view/10193 4. Sulistyowaty, M. I., Putra, G. S., Ekowati, J., Widiandani, T., & Matsunami, K. (2023). <i>In silico</i> study of phytochemicals contained in <i>Brucea javanica</i> in inhibiting the InhA enzyme as antituberculosis. <i>Journal of Public Health in Africa</i>, 14(s1). https://doi.org/10.4081/jphia.2023.2518 5. Nurhan, A. D., Sulistyowaty, M. I., & Ekowati, J. (2023). Chemoinformatics approach to the screening and development of quassinoids from <i>Brucea javanica</i> as antituberculosis drugs. <i>Pharmacy Education</i>, 23(4), p. 60–65. https://doi.org/10.46542/pe.2023.234.6065 6. Sulistyowaty, M. I., Ekowati, J., Guitomo, S., Melania, I. N., & Nafi, M. I. R. (2023). Computational docking toward cox-2 and synthesis of 4-formyl-2-methoxyphenyl-4-chlorobenzoate using microwave irradiation. <i>Pharmacy Education</i>, 23(4), p. 132–136. https://doi.org/10.46542/pe.2023.234.132136 7. Sulistyowaty MI, Putra GS, Budiati T, Indrianingsih AW, Anwari F, Kesuma D, Matsunami K, Yamauchi T. Synthesis, In Silico Study, Antibacterial and Antifungal Activities of N- phenylbenzamides. <i>International Journal of Molecular Sciences</i>. 2023; 24(3):2745. https://doi.org/10.3390/ijms24032745 8. Fifteen Aprila Fajrin, Melanny Ika Sulistyowaty, Mohammad Labib Ghiffary, Swara Adla Zuhra, Wulan Rosa Panggalih, Dwi Koko Pratoko, Fransiska Maria Christianty, Katsuyoshi Matsunami,

	<p>Anastasia Wheni Indrianingsih; Immunomodulatory effect from ethanol extract and ethyl acetate fraction of <i>Curcuma heyneana</i> Valetton and Zijp: Transient receptor vanilloid protein approach, <i>Heliyon</i>, Volume 9, Issue 5, 2023, e15582, https://doi.org/10.1016/j.heliyon.2023.e15582.</p> <p>9. Dwi Setyawan, Melanny Ika Sulistyowaty, Intan Purnama Sari, Helmy Yusuf, Erizal Zaini; The formation of p- Methoxycinnamic acid-caffeine co-crystal by the solution evaporation method and its physicochemical characterization. <i>AIP Conf. Proc.</i> 19 May 2023; 2536 (1): 050008. https://doi.org/10.1063/5.0119975</p> <p>10. Putra GS, Sulistyowaty MI, Yuniarta TA, Yahmin Y, Sumari S, Saechan C, Yamauchi T (2023) QSAR study of benzylidene hydrazine benzamides derivatives with in vitro anticancer activity against human lung cancer cell line A459. <i>J Pharm Pharmacogn Res</i> 11(6): 1123–1136. https://doi.org/10.56499/jppres23.1718_11.6.1123</p>
<p>Participations In Specialist Organizations over the past five years</p>	<p>Member of Indonesian Pharmacist Association</p>

Name	Dr. apt. Suzana, MSi.			
Position	Lecturer at Department of Pharmaceutical Sciences (Pharmaceutical Chemistry)			
Academic Career	<ul style="list-style-type: none"> • Doctor of Philosophy in Pharmaceutical Sciences, Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2019 • Master in Pharmaceutical Sciences, Faculty of Pharmacy, Universitas Airlangga, Indonesia. 1999 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 1991 • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 1990 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	1992	
Research and Development projects over the past five years	Project Name	Duration	Partners	Funding
	Aktivitas Antikanker Payudara dari senyawa Pinostrobin propionat dan Pinostrobin Butirat secara In Silico dan In Vitro	2023	-	(RKAT) Universitas Airlangga
	Green Chemistry pada Sintesis Vanilin Analog sebagai Antiplatelet	2023	-	(RKAT) Universitas Airlangga
	Sintesis, Doking Molekul Study dan Uji Antimikroba Senyawa Turunan N'-Benzilidena-4-hidroksibenzohidrazida	2018	-	Ministry of Research and Higher Education
	Sintesis, In Silico Study dan Aktivitas Antibakteri Turunan 4-Hidrosibenzohidrazida Dalam Usaha Meningkatkan Aktivitas Terhadap Bacillus subtilis dan Escherichia coli	2017	-	(RKAT) Universitas Airlangga
Cooperation with the Industry over the past five years	-			
Patent and Protected rights	-			
Publications	<p>Total Publication: 1</p> <ol style="list-style-type: none"> 1. Suzana, Fika Amalia Najati, Isnaeni, Tutuk Budiati.(2023). Synthesis of 2-hydroxybenzohydrazide derivatives with microwave irradiation and activity against Escherichia coli. Pharmacy Education, Vol.23(4),279-283. https://doi.org/10.46542/pe.2023.234.27928 2. Rossa Aulia Tasya, Suzana, Juni Ekowati, Saipul Maulana. (2023). Docking study and molecular dynamic approach to predicting the activity of 4-(4-methoxy)benzoyloxy-3- methoxycinnamic acid against 			

	<p>COX-1 enzyme, Pharmacy Education, Vol.23(4),279-283. https://pharmacyeducation.fip.org/pharmacyeducation/article/view/2276/1644</p> <ol style="list-style-type: none"> 3. Suzana, Juni Ekowati, I Nyaman Wijaya, Rosita Handayani, Siti Rohmah, Dewi Melanny Haryadi, Bambang Tri Poerwanto .(2023), Peningkatan Pemahaman Pengelolaan Obat Keluarga dan Pangan Sehat untuk Anak sebagai ImplementasiSDGS3 di BojonegoroInternational. Journal PengabdianMu, Vol.8(4), 130-135. 4. Suzana, Kholis Amalia Nofianti, Juni Ekowati, Tutuk Budiati. (2022). Effect of para (p) position methoxy group on the synthesis of Benzohydrazide derivatives from Methylbenzoate Berkala Ilmiah Kimia Farmasi, Volume 2(2), Pages 37-39. 5. Itsna Nur/ainul Yakin, Suzana, Juni Ekowati, Kholis Amalia Nofianti. (2021). Pemanfaatan Iradiasi Gelombang Mikro pada Sintesis Metil orto-metoksisinamat, Jurnal Sains Farmasi dan Klinis, 8(2), 157-163. 6. Isnaeni, Suzana, Juni Ekowati, Ahmad Syahrani, Marcellino Rudtando, Siswandono, Hadi Poerwono, Noor Erma Nasution, Soegijanto. (2021). Revitalisasi Usaha kecil menengah dharma boga Bojonegoro melalui pelatihan cara produksi dan registasi pangan yang baik serta halal. Jurnal Panrita Abdi, 7. Suzana, Isnaeni, Tutuk Budiati.(2019). Synthesis, docking molecule study and antibacterial activity of N-(4- Fluorobenzylidene)-4-hydroxybenzohydrazide and N-(4- Fluorobenzylidene)-4-hydroxybenzohydrazide. Joernal of Physics: Conf. Ser.,1146, pp.1-8. 8. Wiwit Ekasari, Suzana, Bambang Prayoga. (2019).. Penggunaan Obat Tradisional untuk Penanganan Penyakit Diabetes di Kecamatan Kenjeran Surabaya. Jurnal Dharmakarya, 8(4), 253-257. 9. Suzana, Isnaeni, Tutuk Budiati.(2017). Synthesis of N-(2 Methoxybenzylidene)-4-Hydroxy Benzohydrazide and N-(4 Nitrobenzylidene)-4-Hydroxy Benzohydrazide, in silico study and antibacterial activity. International Journal of Pharaceutical and Clinical Research; 9(1):16-20.
Participations In Specialist Organizations over the past five years	Member of Indonesian Pharmacist Association

Name	apt. Farida Ifadotunnikmah, M.Sc., Ph.D.			
Position	Lecturer at Department of Pharmaceutical Sciences (Pharmaceutical Analysis)			
Academic Career	<ul style="list-style-type: none"> • Doctor of Philosophy, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan. 2022 • Master in Pharmaceutical Sciences Faculty of Pharmaceutical Science, Institute of Medicinal Chemistry Hoshi University, Tokyo, Japan 2016 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2008 • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2007 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2023	
Research and Development projects over the past five years	Project Name	Duration	Partners	Funding
	Purification of biologically active compounds from natural products (microbial extract and plant materials) as antiameoba and antimalaria.	2019	The University of Tokyo	JICA Slecoma Project
	Role of Hexosamine pathway in the human enteric protozoan parasite Entamoeba histolytica: biochemical and functional analysis of glucosamine-fructose-6-phosphatase aminotransferase (GFAT)	2019-2022	The University of Tokyo	Ministry of Education, Culture, Sports, Science and Technology Japan (MEXT) Doctoral Program
Cooperation with the Industry over the past five years	-			
Patent and Protected rights	-			
Publications	Total Publication: 1 Kaneda, T., Ifadotunnikmah, F., Nugroho, A.E., Koshikawa, S., Sasaki, T., Hirasawa, Y., Morita, H. Calofolic Acid-A from Calophyllum scriblitifolium Bark Has Vasorelaxant Activity via Indirect PKA Activation Caused by PI-3 Kinase Inhibition in Rat Vascular Smooth Muscle Cells. Journal of Natural Products 2022 85 (9), 2192-2198. DOI: 10.1021/acs.jnatprod.2c00502.			
Participations In Specialist Organizations	Member of Indonesian Pharmacist Association			

over the past five years	
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Name	apt. Diajeng Putri Paramita, M.Si.			
Position	Lecturer at Department of Pharmaceutical Sciences (Pharmaceutical Analysis)			
Academic Career	<ul style="list-style-type: none"> • Master of Pharmaceutical Science, Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2017 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2015 • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2014 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2019	
Research and Development projects over the past five years	Project Name	Duration	Partners	Funding
	Pengembangan metode kontrol kualitas produk madu berdasarkan pendekatan matabolomik secara spektroskopi inframerah	2023	-	(RKAT) Universitas Airlangga
Cooperation with the Industry over the past five years	-			
Patent and Protected rights	-			
Publications	<p>Total Publications: 7</p> <ol style="list-style-type: none"> 1. Setyawan D., Adyaksa F.R., Sari H.L., Paramita D.P., Sari R. 2021. Cocrystal formation of loratadine-succinic acid and its improved solubility. <i>J. Basic Clin. Physiol. Pharmacol.</i>, 32(4): 623-630. doi: 10.1515/jbcpp-2020-0456 2. Setyawan D., Paramanandana A., Erfradin V.E., Sari R., Paramita D.P. 2020. Compression force effect on characteristics of loratadine succinic acid cocrystal prepared by slurry method. <i>J. Res. Pharm.</i>, 24(3): 410-415. doi: 10.35333/jrp.2020.163 3. Setyawan D., Bawazier N.A., Retnowati D., Paramita D.P. 2020. Evaluation of Ketoconazole Tablet Prepared using Dry Granulation Technique with Filler-Binder Excipients and Disintegration Agent. <i>Pertanika J. Sci. Technol.</i>, 28(3): 1081-1090 4. Soeratri W., Nuruddin N., Paramita D.P., Setyawan D., Widjaja B. 2020. Optimization of Povidone K-30 and Sodium Starch Glycolate on Levofloxacin Tablet by Factorial Design. <i>Jurnal Ilmu Dasar</i>, 21(1): 35-42. doi: 10.19184/jid.v21i1.10220 5. Paramita D.P., Setyawan D. 2019. Pengaruh Komponen Hidrofobik Elastis terhadap Karakteristik Fisik dan Laju Disolusi Tablet Eritromisin Stearat. <i>J. Sains Farm. Klin.</i>, 6(3): 220-227. doi: 10.25077/jsfk.6.3.220-227.2019 6. Setyawan D., Paramita D.P. 2019. Strategi Peningkatan Kelarutan Bahan Aktif Farmasi. Penerbit: AUP. ISBN: 978-602-473-187-8 			

	Athiyah U., Kusuma P.A., Tutik, Lestari M.L.A.D., Isadiartuti D., Paramita D.P., Setyawan D. 2019. Crystal engineering of quercetin by liquid assisted grinding method. J. Teknol., 81(1): 39-45
Participations In Specialist Organizations over the past five years	Member of Indonesian Pharmacist Association

Name	apt. Ahmad Dzulfikri Nurhan, S.Farm., M.Farm.			
Position	Lecturer at Department of Pharmaceutical Sciences (Clinical Pharmacy)			
Academic Career	<ul style="list-style-type: none"> • Master of Pharmaceutical Science, Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2021 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2019 • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2018 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2023	
Research and Development projects over the past five years	Project Name	Duration	Partners	Funding
	Efektivitas Senyawa-Senyawa Antioksidan Terhadap Polarisasi Makrofag serta Pola Ekspresi Toll-Like Receptors Family sebagai Langkah Pengembangan Terapi Nonalcoholic Fatty Liver Disease	2023	-	International Research Collaboration Top #100, Universitas Airlangga
Cooperation with the Industry over the past five years	-			
Patent and Protected rights	-			
Publications	<p>Total Publications: 19</p> <ol style="list-style-type: none"> 1. Nurhan, A. D., Sulistyowaty, M. I., & Ekowati, J. (2023). Chemoinformatics approach to the screening and development of quassinoids from <i>Brucea javanica</i> as antituberculosis drugs. <i>Pharmacy Education</i>, 23(4), 60-65. 2. Pratama, Y. A., Dinina, F., Nurhan, A. D., Sari, W. F., Ardianto, C. A., Khotib, J. (2022). Effectiveness of Indonesian house dust mite allergenic extract in triggering allergic rhinitis sensitivity in a mouse model: A preliminary study. <i>Veterinary World</i>, 15(9), 2333- 2341. 3. Aliyah, A. N., Ardianto, C., Samirah, S., Nurhan, A. D., Marhaeny, H. D., Ming, L. C., & Khotib, J. (2023). In silico molecular docking study from <i>Moringa oleifera</i> and <i>Caesalpinia sappan</i> L. secondary metabolites as antagonist TRPV1. <i>Journal of Medicinal and Pharmaceutical Chemistry Research</i>, 5(10), 885-894. 4. Widyowati, R., Suciati, S., Hariyadi, D. M., Chang, H. I., Suryawan, N. I., Tarigan, N., Nurhan, A. D., & Sagitaras, I. B. (2023). The Pro-Inflammatory Cytokine IL-1β Alteration by Deer (<i>Rusa unicolor</i>) Antler Extract on Osteoarthritis Rat Model. <i>Saudi Pharmaceutical Journal</i>. 5. Pratama, Y. A., Marhaeny, H. D., Rohmah, L., Kasatu, S. M., Nurhan, A. D., Rahmadi, M., & Khotib, J. (2023). Allergic rhinitis 			

	<p>behavioral changes after Indonesian house dust mites allergenic extract administration as immunotherapy. <i>Journal of Public Health in Africa</i>.</p> <ol style="list-style-type: none"> 6. Nurhan, A. D., Gani, M. A., Al-Maamari, J. N. S., Rahmadi, M., Ardianto, C., Khotib, J. In silico studies of potential drug-like compounds from various medicinal plants: the discovery of JAK1 inhibitors and JAK3 inhibitors. <i>Research Journal of Pharmacy and Technology</i>, 16(3), 1167–1174. 7. Rahmadi, M., Nurhan, A. D., Rahmawati, R. I., Damayanti, T. F., Purwanto, D. A., & Khotib, J. (2023). Epigallocatechin Gallate Ameliorates Nicotine Withdrawal Conditions-Induced Somatic and Affective Behavior Changes in Mice and Its Molecular Mechanism. <i>Behavioural Neurology</i>, 2023. 8. Gani, M. A., Nurhan, A. D., Putri, B. R. K. H., Suyatno, A., Khan, S. A., Ardianto, C., Rantam, F. A., Khotib, J. Computational Approach in Searching for Dual Action Multitarget Inhibitors for Osteosarcoma. <i>Journal of Advanced Pharmaceutical Technology and Research</i>, 14(1), 18–23 9. Sagitaras, I. B., Marhaeny, H. D., Pratama, Y. A., Ardianto, C., Suasana, D., Nurhan, A. D., Sari, W. F., Dinina, F., Khotib, J. Effectiveness of Shrimp Allergenic Extract as an Immunotherapy Agent in Mice Model of Gastrointestinal Allergy. <i>Research Journal of Pharmacy and Technology</i>, 16(1), 163–168 10. Nurhan, A. D., Gani, M. A., Maulana, S., Siswodihardjo, S., Ardianto, C., & Khotib, J. (2022). Molecular Docking Studies for Protein-Targeted Drug Development in SARS-CoV-2. <i>Letters in Drug Design & Discovery</i>, 19(5), 428-439. 11. Rahmadi, M., Ardianto, C., Nurhan, A. D., Chasanah, R. A., Krisimonika, D. I., Puspitasari, A. D., Suprapti, B., Balan, S. S., Phan, C. W., Khotib, J. (2022). Bisacodyl Overcomes Morphine-Induced Constipation by Decreasing Colonic Aquaporin-3 and Aquaporin-4 Expression. <i>Research Results in Pharmacology</i>, 8(4), 65–75 12. Pratama, Y. A., Dinina, F., Nurhan, A. D., Sari, W. F., Ardianto, C. A., Khotib, J. (2022). Effectiveness of Indonesian house dust mite allergenic extract in triggering allergic rhinitis sensitivity in a mouse model: A preliminary study. <i>Veterinary World</i>, 15(9), 2333-2341. 13. Gani, M. A., Nurhan, A. D., Rantam, F. A., Ardianto, C., Khotib, J. Potential anti-osteoporosis compounds from <i>Zingiber officinale</i>: a molecular docking and pharmacokinetics prediction. <i>Research Journal of Pharmacy and Technology</i>, 15(12), 5617-5625 14. Samirah, K. I., Nurhan, A. D., Softyana, V., Pradipta, N. R., Ardianto, C., & Yulistiani, M. R. (2022). Andrographolide and epigallocatechin gallate (EGCG) lower the risk of addiction induced
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	<p>by nicotine and cigarette smoke extract (CSE) in mice. <i>Pharmaceutical Sciences</i>, 28(4), 517-524.</p> <p>15. Nurhan, A. D., Gani, M. A., Budiatin, A. S., Siswodihardjo, S., & Khotib, J. (2021). Molecular docking studies of <i>Nigella sativa</i> L and <i>Curcuma xanthorrhiza</i> Roxb secondary metabolites against histamine N-methyltransferase with their ADMET prediction. <i>Journal of Basic and Clinical Physiology and Pharmacology</i>, 32(4), 795-802.</p> <p>16. Gani, M. A., Nurhan, A. D., Maulana, S., Siswodihardjo, S., Shinta, D. W., & Khotib, J. (2021). Structure-based virtual screening of bioactive compounds from Indonesian medical plants against severe acute respiratory syndrome coronavirus-2. <i>Journal of Advanced Pharmaceutical Technology & Research</i>, 12(2), 120.</p> <p>17. Rahmadi, M., Nurhan, A. D., Pratiwi, E. D., Prameswari, D. A., Panggono, S. M., Nisak, K., & Khotib, J. (2021). The effect of various high-fat diet on liver histology in the development of NAFLD models in mice. <i>Journal of Basic and Clinical Physiology and Pharmacology</i>, 32(4), 547-553.</p> <p>18. Gani, M. A., Nurhan, A. D., Budiatin, A. S., Siswodihardjo, S., & Khotib, J. (2021). Predicting the molecular mechanism of glucosamine in accelerating bone defect repair by stimulating osteogenic proteins. <i>Journal of basic and clinical physiology and pharmacology</i>, 32(4), 373-377.</p> <p>19. Khotib, J., Setiawan, H. U., Nurhan, A. D., Rahadiansyah, E., Ardianto, C., & Rahmadi, M. (2019). Analysis of effectiveness and drug related problems of pain reliever for knee osteoarthritis: weighing clinical risk and benefit. <i>Journal of Basic and Clinical Physiology and Pharmacology</i>, 30(6).</p>
Participations In Specialist Organizations over the past five years	Member of Indonesian Pharmacist Association

Name	apt. Firmansyah Ardian Ramadhani, M.Farm.			
Position	Lecturer at Department of Pharmaceutical Sciences (Pharmacognosy and Phytochemistry)			
Academic Career	<ul style="list-style-type: none"> • Master of Pharmaceutical Science, Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2023 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2021 • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2020 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2023	
Research and Development projects over the past five years	Project Name	Duration	Partners	Funding
	Aplikasi Metabolomik untuk Kontrol Kualitas Bahan Baku Herbal	2022	-	AMERTA UNAIR
	Studi praformulasi Ekstrak Etanol 70 % Rimpang Temulawak Larut Air dalam Pengembangan Potensinya untuk Penurunan Kadar D- dimer	2022	-	Ministry of Research and Higher Education
	Workshop of HPTLC Association Chapter Indonesia	2023	-	HPTLC Association
	Enkapsulasi ekstrak temulawak dalam kompleks inklusi terner untuk meningkatkan kelarutan dan absorpsi bahan aktif multi komponen	2023	-	BRIN
Cooperation with the Industry over the past five years	-			
Patent and Protected rights	-			
Publications	<p>Ramadhani, F. A., Kusumawati, I., Primaharinastiti, R., Rullyansyah, S., Sandhori, F. J., & Prasetyawan, H. R. (2023). Comparative Study of Densitometry and Videodensitometry for Quantitating the Active Pharmaceutical Ingredients Using Thin Layer Chromatography – Systematic Review. <i>JURNAL FARMASI DAN ILMU KEFARMASIAN INDONESIA</i>, 10(2), 141–150. https://doi.org/10.20473/jfiki.v10i22023.141-150</p>			
Participations In Specialist Organizations	<ol style="list-style-type: none"> 1. Member of Indonesian Pharmacist Association 2. Member of HPTLC Association Chapter Indonesia 			

over the past five years	
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Name	apt. Febri Annuryanti, M.Sc.			
Position	Lecturer at Department of Pharmaceutical Sciences (Pharmaceutical Analysis)			
Academic Career	<ul style="list-style-type: none"> • Master of Pharmaceutical Science, Universiteit van Amsterdam, Holland. 2013 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2007 • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2006 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2008	
Research and Development projects over the past five years	Project Name	Duration	Partners	Funding
	Pengembangan dan Uji Biodistribusi Kombinasi Obat Primakuin dan Klorokuin yang Dienkapsulasi dalam Stealth Liposome Guna Penanganan Infeksi Malaria Fase Hepatik	2018-2019	-	Ministry of Research and Higher Education
	Validasi Metode Analisis Campuran Kanamisin dan Strptomisin dalam Makanan Beku secara KLT-Bioautografi	2018	-	Universitas Airlangga
	Penentuan Kadar EGCG Dan Kofein Dalam The Hijau dan The Hitam menggunakan metode Kromatografi Lapis Tipis	2019	-	Universitas Airlangga
	Dissolving microneedle patch for delivery of amniotic mesenchymal stem cells metabolite products as an antiaging products	2022	-	UNAIR-UK Diaspora
Cooperation with the Industry over the past five years	-			
Patent and Protected rights	-			
Publications	Total Publications: 13 1. David Waite, Faris M. Adrianto, Febri Annuryanti, Yin SO, Wenrui Zhang, Sangdi Wang, Yu Wu, Yujing Wang, Thakur Raghu Raj Sing. 2022. 'Long-acting drug delivery systems for ocular therapies' in Eneko Larraneta, Thakur Raghu Raj Singh, and Ryan F. Donnelly. Long-Acting Drug Delivery System,			

	<p>Pharmaceutical, Clinical, and Regulatory Aspects. Cambridge: Elsevier, pp. 61-81.</p> <ol style="list-style-type: none"> 2. Febri Annuryanti, Asri Darmawati, Riesta P., M. Kusoiri. 2018. 'Determination of Chlorpheniramine Maleate in the Presence of Tartrazine in Tablets Using High-Performance Thin Layer Chromatography', International Conference on Applied Pharmaceutical Sciences. 3. AN Dwiana, F. Annuryanti, A. Darmawati. 2020. Validated TLC-Contact Bioautography Method for Identification of Kanamycin Sulfate in Injection Preparation. <i>Jurnal Farmasi dan Ilmu Kefarmasian Indonesia</i>. Vol 7, no 1, pp. 35-41. 4. Febri Annuryanti, Isnaeni Isnaeni, Asri Darmawati, Iftihatur Rosyidah, Aprelita Nurelli Dwiana. 2020. Method validation of contact and immersion TLC-bioautography for determination of streptomycin sulfate in shrimp. <i>Turkish Journal of Pharmaceutical Sciences</i>, Vol 17, no 3, pp. 254-258. 5. A Darmawati, F Annuryanti, R Primaharinastiti. 2020. Determination and stability testing method of chlorpheniramine maleate in the presence of tartrazine using HPLC. <i>Pharmaciana</i>, Vol 10, issue 3, 269-280. 6. F Annuryanti, IB Haq, AN Ad Deen, DA Purwanto, A Darmawati. 2021. Determination of Epigallocatechin gallate (EGCG) and Caffeine in Domestic Tea Products using TLC-Densitometry. <i>Jordan Journal of Pharmaceutical Sciences</i>, Volume 14, no 1, pp. 63-73. 7. F Annuryanti, M. Zahroh, DA Purwanto. Pengaruh Suhu dan Jumlah Penyeduhan terhadap Kadar Kafein Terlarut dalam Produk Teh Hijau Kering dengan Metode KCKT. <i>Jurnal Farmasi dan Ilmu Kefarmasian Indonesia</i>. Vol 5, no 1, pp. 30-35. 8. F Annuryanti, FL Yulinar, RI Elfadiana, I Isnaeni, A Darmawati. 2020. Comparison of UV-spectrophotometry and high performance liquid chromatography for determination of chlorpheniramine maleate in tablet in the presence of tartrazine. <i>Journal of Research in Pharmacy</i>, Vol 24, no 2, pp. 9. F Annuryanti, A Darmawati, A Miatmoko. 2020. Development and Validation of Spectrophotometry UV-Vis Method for Determination of Primaquine and Chloroquine in Liposome Dosage Form. <i>Research Journal of Pharmacy and Technology</i>, Volume 13, no 2, pp. 1293-1296. 10. F Annuryanti, J Domínguez-Robles, QK Anjani, MF Adrianto, E Larrañeta, Raghu Raj Singh Thakur. 2023. Fabrication and Characterisation of 3D-Printed Triamcinolone Acetonide-Loaded Polycaprolactone-Based Ocular Implants. <i>Pharmaceutics</i>, Volume 15, No 1 (243), pp. 1-18. 11. D Sulthoniyah, R Primaharinastiti, F Annuryanti. 2018. Method validation of flame atomic absorption spectrophotometry (FAAS)
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	<p>for determination of iron (FE) in multivitamin-mineral capsule dosage form. Research Journal of Pharmacy and Technology, Volume 11, Issue 6, pp. 2569-2574.</p> <p>12. A Miatmoko, HR Salim, SM Zahro, F Annuryanti, R Sari, E Hendradi. 2019. Dual loading of primaquine and chloroquine into liposome. European Pharmaceutical Journal, Volume 66, Issue 2, pp. 18-25.</p> <p>13. MF Adrianto, F Annuryanti, CG Wilson, R Sheshala, RRS Thakur. 2022. In vitro dissolution testing models of ocular implants for posterior segment drug delivery. Drug delivery and translational research, Volume 12, Issue 6, pp. 1355-1375.</p>
<p>Participations In Specialist Organizations over the past five years</p>	<p>Member of Indonesian Pharmacist Association</p>

Name	Dr. apt. Neny Purwitasari, S.Farm., M.Sc			
Position	Lecturer at Department of Pharmaceutical Sciences (Pharmacognosy and Phytochemistry)			
Academic Career	<ul style="list-style-type: none"> • Doctor of Pharmaceutical Sciences, Faculty of Pharmacy, Universitas Airlangga. 2023 • Master of Pharmaceutical Science, School of Pharmaceutical Sciences, Universiti Sains Malaysia. 2013 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2005 • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2004 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2006	
Research and Development projects over the past five years	Project Name	Duration	Partners	Funding
	H5N1 Antineuraminidase inhibition activity from n-hexane, ethyl acetate and butanol fraction of Vitex pinnata	2018	-	(RKAT) Universitas Airlangga
	Intiinfluenza A (H1N1) Activity from Vitex pinnata Leaves	2020	-	(RKAT) Universitas Airlangga
	Anti-SARS- CoV potency from Brucea javanica, Vitex trifolia and Merremia mammosa Hall: in silico and in vitro approach	2020	-	(RKAT) Universitas Airlangga
	Studi Etnomedisine dan Eksplorasi Ramuan Tradisional Untuk Pencegahan Covid -19 Di Kawasan Indonesia Timur	2021	-	(RKAT) Universitas Airlangga
	Eksplorasi Ramuan Jamu Sebagai Terapi Alternatif & Komplementari Untuk Osteoarthritis Di Bantul, Yogyakarta	2021	-	(RKAT) Universitas Airlangga
	Identifikasi Pemahaman Obat Herbal di Kalangan Penyedia dan Pengguna Layanan Obat Serta Ketepatan Penggunaan Obat Herbal Pada Pasien Degeneratif di Wilayah Jawa Timur	2020-2022	-	Ministry of Research and Higher Education
	Aktivitas Fraksi-Fraksi Umbi Bidara Upas (Merremia mammosa (Lour.) Hall. f.)	2022	-	(RKAT) Universitas Airlangga

	Sebagai Penghambat Enzim 3CL Protease SARS-CoV-2			
	Development of Halal Pharmaceutical Products from <i>Chrissophyllum cainito</i> . L For the Treatment of Osteoarthritis	2022	-	Ministry of Religion
	Profil Metabolit dan Aktivitas Penghambat SARS-CoV2 dari umbi Bidara Upas (<i>Merremia mammosa</i> Hall)	2023		(RKAT) Universitas Airlangga
Cooperation with the Industry over the past five years	-			
Patent and Protected rights	-			
Publications	<ol style="list-style-type: none"> 1. Noviany Noviany, Arif Nurhidayat, Sutopo Hadi, Tati Suhartati, Muhammad Aziz, Neny Purwitasari & Iman Subasman. Sesbagrandidflorain A and B: isolation of two new 2-arylbenzofurans from the stem bark of <i>Sesbania grandiflora</i> Journal Natural Product Research Natural Product Research, 32:212558-2564, DOI: 10.1080/14786419.2018.1425858 2. Noviany Noviany, Arash Samadi, Nita Yuliyani, Sutopo Hadi, Muhammad Aziz, Neny Purwitasari, Suriyati Mohamad, Nur Najihah Ismail, Kevin P. Gablec, Taifo Mahmud. Structure characterization and biological activity of 2-arylbenzofurans from an Indonesian plant, <i>Sesbania grandiflora</i> (L.) Pers, <i>Phytochemistry Letters</i>. Volume 35, 2020. Pages 211-215, ISSN 1874-3900, https://doi.org/10.1016/j.phytol.2019.12.008. 3. Neny Purwitasari, Krisma Agung Subarka, David Fransnado Grismana Putra, Herra Studiawan, Kuncoro Puguh Santoso (2020). The effect of flavonoid fraction from <i>vitex trifolia</i> leaves on pandemic-2009 H1N1 influenza a virus propagated in embryonated chicken eggs. <i>Indian Journal of Forensic Medicine and Toxicology</i> Vol 14, 2020. 4. Neny Purwitasari, Mangestuti Agil, Herra Studiawan. Activity of Ethyl Acetate Fraction of <i>Merremia mammosa</i> Hall as Anti-Influenza A (H1N1). <i>Indian Journal of Forensic Medicine and Toxicology</i>. Vol 14, 2020. 5. Structural revision of sesbagrandidflorains A and B, and synthesis and biological evaluation of 6-methoxy-2-arylbenzofuran derivatives <i>Journal of Natural Medicines</i>, 2021, 75(1), pp. 66–75 6. Retno Widyowati, Neny Purwitasari, Rice Disi Oktarina, Wiwied Ekasari, Saarah Khairunnisa Hsin-I. Chang. Exploration of several plants from Baung Forest on bone formation cell models. <i>Journal of</i> 			

	<p>Basic and Clinical Physiology and Pharmacology, 2021, 32(4), pp. 831–837.</p> <ol style="list-style-type: none"> 7. Hanni P. Puspitasari, Dhita Fatmaningrum, Sa’adatus Zahro, Shofi Salsabila, Zulfia A. Rizqulloh, Ana Yuda, Mufarrihah, Anila I. Sukorini and Neny Purwitasari. Challenges in the provision of natural medicines by community pharmacists in East Java Province, Indonesia. <i>Journal of Basic and Clinical Physiology and Pharmacology</i>, 2021, 32(4), pp. 831–837 8. Mangestuti Agil, Hening Laswati, Neny Purwitasari, Burhan Ma’arif. Analysis of heavy metal contents of <i>Marsilea crenata</i> presl. leaves and soils from East Java Province, Indonesia. <i>Pharmacognosy Journal Vol 13(1)</i> 2021 9. Purwitasari, N., Agil, M. Metabolite Profiling of Extract and Fractions of Bidara Upas (<i>Merremia Mammosa</i> (Lour.) Hallier F.) Tuber Using UPLC-QToF- MS/MS. <i>Biomedical and Pharmacology Journal</i>, 2022, 15(4), pp. 2025–2041 10. Mangestuti Agil, Herra Studiawan, Neny Purwitasari. Efficacy of <i>Merremia mammosa</i> Hall Terpenoid Fraction against <i>Mycobacterium tuberculosis</i>. <i>Research Journal of Pharmacy and Technology</i>, vol 14 (22) 2021 11. Purwitasari, N., Agil, M., Siswodihardjo, S., Nidom, R.V. Bidara Upas (<i>Merremia mammosa</i> Hall) Antiviral Activity Against SARS-COV-2. <i>Journal of Medicinal and Chemical Sciences</i>, 2023, 6(12), pp. 3149–3158 12. Purwitasari, N., Agil, M., Siswodihardjo, S., Maulana, S., Zubair, M.S. The activity of bioactive compounds from bidara upas (<i>Merremia mammosa</i> (Lour) Hall. f.) as an inhibitor of SARS-CoV2 entry stage: In silico study. <i>Pharmacy Education</i>, 2023, 23(4), pp. 340–343 13. Maslachah, L., Purwitasari, N. In vitro antimalarial activity of <i>Syzygium cumini</i> fruit fraction. <i>Open Veterinary Journal</i>, 2023, 13(9), pp. 1116–1123 14. Widyowati, R., Purwitasari, N., Ekasari, W., Arosa, Z.B., Sholikhah, I. An Ethnomedicine Study of Traditional Healers as Joint Pain Therapy in Bantul District, Yogyakarta Yogyakarta, Bantul <i>Fabad Journal of Pharmaceutical Sciences</i>, 2023, 48(2), pp. 201–218
Participations In Specialist Organizations over the past five years	<ol style="list-style-type: none"> 1. Member of Indonesian Pharmacist Association 2. Member of Indonesian Community of Biodiversity and Bioinformatics

Name	Kholis Amalia Nofianti, S.Farm., M.Sc., Apt.			
Position	Lecturer at Department of Pharmaceutical Sciences (Pharmaceutical Analysis)			
Academic Career	<ul style="list-style-type: none"> • Master of Pharmaceutical Science, Hoshi University, Tokyo, Japan. 2016 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2010 • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2009 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2010	
Research and Development projects over the past five years	Project Name	Duration	Partners	Funding
	Green Chemistry pada Sintesis Vanilin Analog sebagai Anti Platelet	2023	-	Airlangga Research Fund
Cooperation with the Industry over the past five years	-			
Patent and Protected rights	-			
Publications	<p>A selection of more recent publications from a total of around (provide total number): 8</p> <ol style="list-style-type: none"> 1. Sulistyowati, M. I., Nofianti, K. A., & Budiati, T. (2013). In Vitro antimalarial activity of chalcone and its derivatives. <i>International Journal of Pharmacy and Pharmaceutical Sciences</i>, 6(1), 669-671. 2. Ekowati, J., Diyah, N. W., Nofianti, K. A., & Hamid, I. S. (2018). Molecular Docking of Ferulic Acid Derivatives on P2Y12 Receptor and their ADMET Prediction. <i>Journal of Mathematical and Fundamental Sciences</i>, 50(2), 203-219. 3. Ekowati, J., Hamid, I. S., Nofianti, K. A., & Sasaki, S. (2019). Synthesis of Thiourea Derivatives from M-Methoxycinnamic Acid As Antiangiogenic Candidate. <i>Jurnal Teknologi Sciences & Engineering</i>, 81(4), 105-114. 4. Nofianti, K. A., & Ekowati, J. (2019). O-Hydroxycinnamic derivatives as prospective anti-platelet candidates: In silico pharmacokinetic screening and evaluation of their binding sites on COX-1 and P2Y12 receptors. <i>Journal of Basic and Clinical Physiology and Pharmacology</i>, 30(6), 20190327. 5. Maulani, D., Nofianti, K. A., Sugijanto, N. E., & Kartosentono, S. (2021). An Eco-Friendly Absorption Method of Cu²⁺, Cd²⁺, and Pb²⁺ Using the Shells and Chitosan Derived from Solen vagina. <i>Journal of Ecological Engineering</i>, 22(7). 6. Ekowati, J., Febriani, K., Yaqin, I. N., Wulandari, A. A., Mulya, I. H., Nofianti, K. A., & Syahrani, A. (2021). Shallot skin profiling, computational evaluation of physicochemical properties, ADMET, and molecular docking of its components against P2Y12 			

	<p>receptor. <i>Journal of Basic and Clinical Physiology and Pharmacology</i>, 32(4), 429-437.</p> <p>7. Ekowati, J., Nofianti, K. A., Yunita, M. N., Hamid, I. S., Dwiningrum, F., Ramadhan, D. R., & Ananda, G. C. (2023). Synthesis, anti-angiogenic activity and prediction toxicity of (E)-3-(3-methoxyphenyl) propenoic acid. <i>Journal of Public Health in Africa</i>, 14(Suppl 1).</p> <p>8. Ekowati, J., Tejo, B. A., Maulana, S., Kusuma, W. A., Fatriani, R., Ramadhanti, N. S., & Hamid, I. S. (2023). Potential Utilization of Phenolic Acid Compounds as Anti-Inflammatory Agents through TNF-α Convertase Inhibition Mechanisms: A Network Pharmacology, Docking, and Molecular Dynamics Approach. <i>ACS omega</i>, 8(49), 46851-46868.</p>
<p>Participations In Specialist Organizations over the past five years</p>	<p>Member of Indonesian Pharmacist Association</p>

Name	apt. Abhimata Paramanandana, M.Sc.		
Position	Lecturer at Department of Phamaceutical Sciences		
Academic Career	<ul style="list-style-type: none"> • Doctor of Pharmaceutical Sciences, King’s College London, London, England. 2021 • Master of Science, Medical Pharmaceutical Sciences, University of Groningen, The Netherland. 2017 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2012 • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2011 		
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2010
Research and Development projects over the past five years	-		
Cooperation with the Industry over the past five years	-		
Patent and Protected rights	-		
Publications	<ol style="list-style-type: none"> 1. Dwi Setyawan, Rachel Olivia Jovita, Muhammad Iqbal, Abhimata Paramanandana, Helmy Yusuf, Maria LAD Lestari, 2018, Co-crystalization of quercetin and malonic acid using solvent-drop grinding method, Tropical Journal of Pharmaceutical Research, 17(6): 997-1002. https://www.ajol.info/index.php/tjpr/article/view/174111 2. Retno Sari, Sandra Tunggadewi, Abhimata Paramanandana, Helmy Yusuf, 2019, Preparation and Physical Characterization of Andrographolide-Chitosan-Alginate Microparticles prepared by Ionic Gelation–Freeze Drying, International Journal of Pharmaceutical Research, Vol : 12 No 2; page 553-557, E-ISSN: 0974-360X. http://rjptonline.org/AbstractView.aspx?PID=2019-12-2-17 3. Mufarrihah M, Yuda A, Paramanandana A, Retnowati D, Cahyani DM, Sari R, Sugiyartono S, Purwanti T, Isadiartuti D, Hendradi E, Miatmoko A. Self-medication profiles in school-age adolescents in Surabaya city, Indonesia. J Public Health Afr. 2023 Mar 16;14(Suppl 1):2530. doi: 10.4081/jphia.2023.2530. PMID: 37492553; PMCID: PMC10365670. 4. Bartucci R, Paramanandana A, Boersma YL, Olinga P, Salvati A. Comparative study of nanoparticle uptake and impact in murine lung, liver and kidney tissue slices. Nanotoxicology. 2020 Aug;14(6):847-865. doi: 10.1080/17435390.2020.1771785. Epub 2020 Jun 13. PMID: 32536243. 		

	5. Setyawan, D., Paramanandana, A., Erfadrin, V. E., Sari, R., & Paramita, D. P. (2020). Compression force effect on characteristics of loratadine-succinic acid cocrystal prepared by slurry method. <i>Journal of Research in Pharmacy</i> , 24(3), 410-415. https://doi.org/10.35333/jrp.2020.163
Participations In Specialist Organizations over the past five years	Member of Indonesian Pharmacist Association

Name	apt. Hadi Poerwono, M.Sc.			
Position	Lecturer at Department of Phamaceutical Sciences			
Academic Career	<ul style="list-style-type: none"> • Doctor of Pharmaceutical Science, Hoshi University, Tokyo, Japan. 1999 • Master of Pharmaceutical Science, Hoshi University, Tokyo, Japan. 1997 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 1989 • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 1988 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2010	
Research and Development projects over the past five years	Project Name	Duration	Partners	Funding
	Sintesis Turunan 5-O-Benzoilpinostrobin dari Pinostrobin Hasil Isolasi dari Temu Kunci (<i>Boesenbergia pandurata</i>) sebagai Kandidat Senyawa Antikanker Payudara	2023	-	Airlangga Research Fund
	Pencarian Lead Compound dan Uji aktivitas In vitro Senyawa yang Berpotensi sebagai Inhibitor Plasmodium falciparum Prolyl-tRNA Synthetase (PfPRS) dari Database Senyawa Bahan Alam	2023	-	Ministry of Education, Culture, Research, and Technology
Cooperation with the Industry over the past five years	-			
Patent and Protected rights	-			
Publications	<ol style="list-style-type: none"> 1. Pratama Rizki Fadhil Mohammad , Praditapuspa Nurma Ersanda , Kesuma Dini , Poerwono Hadi, Widiandani Tri and Siswodihardjo Siswandono *, <i>Boesenbergia Pandurata</i> as an AntiBreast Cancer Agent: Molecular Docking and ADMET Study, <i>Letters in Drug Design & Discovery</i> 2022; 19(7) . https://dx.doi.org/10.2174/1570180819666211220111245 2. Ervina M, Pratama MRF, Poerwono H, Ekowati J, Widyowati R, Matsunami K, Sukardiman. In silico estrogen receptor alpha antagonist studies and toxicity prediction of <i>Melia azedarach</i> leaves bioactive ethyl acetate fraction. <i>J Adv Pharm Technol Res.</i> 2021 Jul-Sep;12(3):236-241. doi: 10.4103/japtr.JAPTR_198_21. Epub 2021 Jul 16. PMID: 34345601; PMCID: PMC8300330. 3. Ervina, M., Poerwono, H., Widyowati, R., Otsuka, H., Matsunami, K., & Sukardiman, S. (2021). Pregnane Steroids from the Leaves of <i>Melia Azedarach</i> and Apoptotic Activity against T47D Cells. <i>Asian Pacific</i> 			

Journal of Cancer Prevention, 22(6), 1967-1973. doi: 10.31557/APJCP.2021.22.6.1967

4. Fadhil Pratama, M. R., Poerwono, H., & Siswodihardjo, S. (2021). Introducing a two-dimensional graph of docking score difference vs. similarity of ligand-receptor interactions. Indonesian Journal of Biotechnology, 26(1), 54–60. <https://doi.org/10.22146/IJBIOTECH.62194>
5. Joharman, Poerwono, H., & Sukardiman. (2021). Cytotoxicity Effect of the Pericarp Extracts of *Garcinia forbesii* King on MCF7 Breast Cancer and HepG2 Liver Cancer Cell Lines. Pharmacognosy Journal, 13(1).
6. Pratama, M. R. F., Poerwono, H., & Siswodihardjo, S. (2020). Molecular Docking of Novel 5-O-benzoylpinostrobin Derivatives as SARS-CoV-2 Main Protease Inhibitors. Pharm Sci, 26(Covid19), S63–S77. <https://doi.org/10.34172/PS.2020.57>
7. Pratama, M., Poerwono, H. & Siswodihardjo, S. (2019). Molecular docking of novel 5-O-benzoylpinostrobin derivatives as wild type and L858R/T790M/V948R mutant EGFR inhibitor. Journal of Basic and Clinical Physiology and Pharmacology, 30(6), 20190301. <https://doi.org/10.1515/jbcpp2019-0301>
8. Pratama, M., Poerwono, H. & Siswodiharjo, S. (2019). ADMET properties of novel 5-O-benzoylpinostrobin derivatives. Journal of Basic and Clinical Physiology and Pharmacology, 30(6), 20190251. <https://doi.org/10.1515/jbcpp-2019-0251>
9. Sukardiman, Ervina M, Fadhil Pratama MR, Poerwono H, Siswodihardjo S. The coronavirus disease 2019 main protease inhibitor from *Andrographis paniculata* (Burm.f) Ness. J Adv Pharm Technol Res 2020;11:157-62
10. Martha Ervina, Hadi Poerwono, Retno Widyowati, Katsuyoshi Matsunami, Sukardiman, Bio-selective hormonal breast cancer cytotoxic and antioxidant potencies of *Melia azedarach* L. wild type leaves, Biotechnology Reports, Volume 25, 2020, e00437, ISSN 2215-017X, <https://doi.org/10.1016/j.btre.2020.e00437>.
11. Poerwono, Hadi & Sulistyowaty, Melanny & Pratama, Mohammad. (2024). 6-Aminomethylpinostrobin Derivatives as Anti-breast Cancer: In Silico Insight. Egyptian Journal of Chemistry. 7. 71-81. 10.21608/EJCHEM.2024.233232.8707.
12. Pratama, Mohammad & Poerwono, Hadi & Siswodihardjo, Siswandono. (2020). Design and molecular docking of novel 5-O-Benzoylpinostrobin derivatives as anti-breast cancer. Thai Journal of Pharmaceutical Sciences. 43. 201-212.
13. Poerwono H, Sasaki S, Hattori Y, Higashiyama K. Efficient microwave-assisted prenylation of pinostrobin and biological evaluation of its derivatives as antitumor agents. Bioorg Med Chem Lett. 2010 Apr 1;20(7):2086-9. doi: 10.1016/j.bmcl.2010.02.068. Epub 2010 Feb 20. PMID: 20219370.

	<p>14. Poerwono H, Widyowati R, Kubo H, Higashiyama K, Indrayanto G. Mefenamic Acid: analytical profile. Profiles Drug Subst Excip Relat Methodol. 2005;31:281-336. doi: 10.1016/S0099-5428(04)31008-7. PMID: 22469044.</p> <p>15. Rudyanto M, Ihara M, Takasu K, Yoshida M, Poerwono H, Sudiana IK, Indrayanto G, Brittain HG. Propylparaben: physical characteristics. Profiles Drug Subst Excip Relat Methodol. 2003;30:235-69. doi: 10.1016/S0099-5428(03)30009-7. PMID: 22469546.</p> <p>16. Hadi Poerwono, Kimio Higashiyama, Hajime Kubo, Achmad Toto Poernomo, Suharjono, I Ketut Sudiana, Gunawan Indrayanto, Harry G. Brittain. 2001. Citric Acid. Harry G. Brittain, Analytical Profiles of Drug Substances and Excipients,(28).</p> <p>17. Poerwono, Hadi & Higashiyama, Kimio & Yamauchi, Takayasu & Kubo, Hajime & Ohmiya, Shigeru & Takahashi, Hiroshi. (1998). Stereocontrolled Preparation of cis- and trans-2,6-Dialkylpiperidines via Diastereoselective Reaction of 1-Aza-4-oxabicyclo[4.3.0]nonane Derivatives with Grignard Reagents. Tetrahedron. 54. 13955-13970. 10.1016/S0040-4020(98)00863-1.</p> <p>18. Poerwono, Hadi & Higashiyama, Kimio & Takahashi, Hiroshi. (1998). Stereocontrolled Syntheses of Piperidine Derivatives Using Diastereoselective Reactions of Chiral 1,3-Oxazolidines with Grignard Reagents: Asymmetric Syntheses of the Pinidine Enantiomers. The Journal of organic chemistry. 63. 2711-2714. 10.1021/jo971127i.</p> <p>19. Poerwono, Hadi & HIGASHIYAMA, K. & Takahashi, Hidenobu. (2010). ChemInform Abstract: An Applied Stereocontrolled Synthesis of Piperidine Derivative Utilizing Diastereoselective Reaction of Chiral 1,3-Oxazolidine with Grignard Reagent; Asymmetric Synthesis of an Alkaloid (-)-Sedamine. Cheminform. 29. 10.1002/chin.199818239.</p> <p>20. Higashiyama, Kimio & Poerwono, Hadi & Yamauchi, Takayasu & Takahashi, Hiroshi. (1997). Facile Diastereoselective Reactions of Chiral 1,3-Oxazolidines with Grignard Reagents; Asymmetric Syntheses of 2-Substituted and 2,6-Disubstituted Piperidines. Heterocycles. 46. 10.3987/COM-97-S32.</p>
Participations In Specialist Organizations over the past five years	Member of Indonesian Pharmacist Association

Name	Dr. Sumarno, Sp.FRS., Apt.		
Position	Lecturer at Department of Pharmacy Practice		
Academic Career	<ul style="list-style-type: none"> • Doctor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2023 • Master of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 1999 • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 1992 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 1993 		
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2010
Research and Development projects over the past five years	-		
Cooperation with the Industry over the past five years	-		
Patent and Protected rights	-		
Publications	<ol style="list-style-type: none"> 1. Sumarno, Kusumastuti, K., & Khotib, J. (2023). An analysis of the Michaelis-Menten pharmacokinetics of phenytoin in epileptic Indonesian adults. <i>Pharmacy Education</i>, 23(4), 311-315. https://doi.org/10.46542/pe.2023.234.311315 2. Rahmadi, M., Su'Aida, N., Yustisari, P., Agung Dewaandika, W., Oktavia Hanaratri, E., Andarsari, M. R., Sumarno, & Aryani, T. (2021). Gastroprotective effect of fluvoxamine and ondansetron on stress-induced gastric ulcers in mice. <i>Journal of Basic and Clinical Physiology and Pharmacology</i>, 32(4), 485-490. https://doi.org/10.1515/jbcpp-2020-0424 3. Wijaya, D., Padolo, E., Ardianto, C., Sumarno, Matulatan, F., Alderman, C., & Suharjono (2020). Analysis of the use and cost of stress ulcer prophylaxis for surgical inpatients. <i>Journal of Basic and Clinical Physiology and Pharmacology</i>, 30(6), Article 20190306. https://doi.org/10.1515/jbcpp-2019-0306 4. Hutahaean, Y. R., Sumarno, Wahyuhadi, J., & Padolo, E. (2019). Stress ulcer prophylaxis in patients with brain injury: Retrospective study. <i>Indian Journal of Public Health Research and Development</i>, 10(6), 631-636. https://doi.org/10.5958/0976-5506.2019.01347.0 5. Ernawati, I., Islamiyah, W. R., & Sumarno (2018). How to improve clinical outcome of epileptic seizure control based on medication adherence? A literature review. <i>Open Access Macedonian Journal of Medical Sciences</i>, 6(6), 1174-1179. https://doi.org/10.3889/oamjms.2018.235 		

Participations In Specialist Organizations over the past five years	Member of Indonesian Pharmacist Association
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Name	apt. Bambang Subakti, M.Clin.Pharm.		
Position	Lecturer at Department of Pharmacy Practice		
Academic Career	<ul style="list-style-type: none"> • Master of Clinical Pharmacy, The University of Queensland, Australia. 2003 • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 1997 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 1998 		
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2010
Research and Development projects over the past five years	-		
Cooperation with the Industry over the past five years	-		
Patent and Protected rights	-		
Publications	<ol style="list-style-type: none"> 1. Resistensi Aspirin pada Pasien Penyakit Jantung Koroner dengan Hipertensi, Majalah Farmasi Klinik Indonesia, 2015 2. Acetosol Resistance In Coronary Artery Disease Between and Wthin Type 2 Diabetes Mellitus Patients, Folia Medica Indosiana, 2015 3. Analysis of Changes in the Serum Level NT-proBNP After Ace Inhibitors Therapy in Patients with Heart Failure, Folia Medica Indosiana, 2016 4. Analysis of Change in NT-proBNP After Angiotensin Receptor Blocker (ARB) Therapy in Patient with Heart Failure, Folia Medica Indosiana, 2016 5. Platelet Reactivity of Aspirin and Clopidogrel in Coronary Artery Disease Patients with or Without Diabetes Mellitus 6. Loebis, Rozalina & Zulkarnain, Bambang & Zahra, Nadhifa. (2021). Correlation between the exposure time to mobile devices and the prevalence of evaporative dry eyes as one of the symptoms of computer vision syndrome among Senior High School students in East Java, Indonesia. Journal of Basic and Clinical Physiology and Pharmacology. 32. 541-545. 10.1515/jbcpp-2020-0478. 		
Participations In Specialist Organizations over the past five years	Member of Indonesian Pharmacist Association		

Name	apt. Catur Dian Setiawan, M.Kes		
Position	Lecturer at Department of Phamaceutical Sciences		
Academic Career	<ul style="list-style-type: none"> • Doctor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2019 • Master of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2015 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2006 • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2005 		
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2010
Research and Development projects over the past five years	-		
Cooperation with the Industry over the past five years	-		
Patent and Protected rights	-		
Publications	<ol style="list-style-type: none"> 1. Are Patients Willing To Ask Generic Substitution?. Vol 4 Issue 4. International Journal of Pharmacy Teaching & Practices 2. Profile Of Community Pharmacists' Performance By Pharmacy Team. Vol 1 No 1. Jurnal Farmasi Komunitas 3. Pemberian Informasi Lama Terapi dan Konfirmasi Informasi Obat Perlu Ditingkatkan di Puskesmas . Vol.1 No.1. Jurnal Farmasi dan Ilmu Kefarmasian Indonesia 4. Profil Penyimpanan Obat Di Puskesmas Wilayah Surabaya Timur Dan Pusat. Vol.1 No.1. Jurnal Farmasi Komunitas 5. Profil Problem Terkait Obat TBC di Wilayah Surabaya. Vol.1 No.2. Jurnal Farmasi Komunitas 6. Profil Penggunaan Obat Pada Pasien Diabetes Melitus Di Puskesmas Wilayah Surabaya Timur. Vol.1 No.3. Jurnal Farmasi Komunitas 7. Setiawan, Catur Dian & Wibowo, Arief & Athiyah, Umi. (2023). Regulations of the distribution of pharmaceutical services (pharmacies) locations in Indonesia: A review. Pharmacy Education. 23. 274-278. 10.46542/pe.2023.234.274278. 8. Rahem, Abdul & Athiyah, Umi & Setiawan, Catur Dian & Hermansyah, Andi. (2023). The risk of combined use of herbal and conventional medicines in diabetic patients. Pharmacy Education. 23. 185-188. 10.46542/pe.2023.234.185188. 		

9. Zairina, Elida & Nugraheni, Gesnita & Sulistyarini, Arie & Mubasir, Mufarrihah & Setiawan, Catur Dian & Kripalani, Sunil & Lestari, Safira. (2022). Factors related to barriers and medication adherence in patients with type 2 diabetes mellitus: a cross-sectional study. *Journal of Diabetes & Metabolic Disorders*. 21. 10.1007/s40200-021-00961-6.
10. Setiawan, Catur Dian & Wibowo, Arief & Athiyah, Umi. (2022). Mapping of pharmaceutical service facilities (pharmacy) based on geographic information in Surabaya. *Pharmacy Education*. 22. 60-65. 10.46542/pe.2022.222.6065.
11. Nugraheni, Gesnita & Santoso, Ayu & Puspitasari, Dian & Setiawan, Catur & , Yunita. (2022). Medication adherence and quality of life among asthmatic patients in primary care in Indonesia. *Pharmacy Education*. 22. 123-128. 10.46542/pe.2022.222.123128.
12. Rahem, Abdul & Athiyah, Umi & Setiawan, Catur Dian & Hermansyah, Andi. (2021). The impact of pharmacist shortage on the inventory management of medicines at primary healthcare centres in East Java, Indonesia. *Pharmacy Education*. 21. 8-14. 10.46542/pe.2021.212.814.
13. Athiyah, Umi & Rahem, Abdul & Setiawan, Catur Dian & Hermansyah, Andi. (2021). Role of pharmacist in providing drug information and education for patients with chronic diseases during Transition of Care. *Pharmacy Education*. 21. 275-280. 10.46542/pe.2021.212.275280.
14. Hermansyah, Andi & Setiawan, Catur Dian & Riansyah, Firqin. (2021). The evident gap between actual and perceived facilities supporting value-added pharmacy services. *Pharmacy Education*. 21. 48-51. 10.46542/pe.2021.212.4851.
15. Rahem, Abdul & Athiyah, Umi & Setiawan, Catur Dian. (2021). The Influence of Participation of Healthcare Insurance and Social Security (BPJS) on Therapeutic Success in Diabetes Mellitus Patients at Primary Healthcare Centers in Madura. *Tropical Journal of Natural Product Research*. 5. 71-76. 10.26538/tjnpr/v5i1.8.
16. Auliya, Assyifa & Wijaya, I I & Setiawan, Catur Dian & Nugraheni, Gesnita. (2019). BPJS Kesehatan Patients Satisfaction on Pharmaceutical Services in Community Health Center (PUSKESMAS)–South Surabaya Area. *Indian Journal of Public Health Research & Development*. 10. 1482. 10.5958/0976-5506.2019.02658.5.
17. Athiyah, Umi & Setiawan, Catur Dian & Nugraheni, Gesnita & Zairina, Elida & Utami, Wahyu & Hermansyah, Andi. (2019). Assessment of pharmacists' knowledge, attitude and practice in chain community pharmacies towards their current

	<p>function and performance in Indonesia. Pharmacy Practice. 17. 1518. 10.18549/PharmPract.2019.3.1518.</p> <p>18. Athiyah, Umi & Rahem, Abdul & Setiawan, Catur Dian. (2019). The Influence of Participation of the Social Security Agency (BPJS) Health on Therapeutic Success in Hypertension Patients at Community Health Centers. Research Journal of Pharmacy and Technology. 12. 93. 10.5958/0974-360X.2019.00018.0.</p> <p>19. Mubasir, Mufarrihah & Setiawan, Catur Dian & Wathaniah, Nurul & Rahmaniah, Atikah & Maharani, Primanda & Mahmudah, Azzahroh & Achmad, Gusti Noorizka Veronika. (2017). The Influence of Medication Days' Supply on Adherence and Cost of Hypertensive Patients at Primary Health Care Centre. <i>INDONESIAN JOURNAL OF PHARMACY</i>. 28. 213. 10.14499/indonesianjpharm28iss4pp213.</p> <p>20. Hermansyah, Andi & Sukorini, Anila & Setiawan, Catur Dian & Priyandani, Yuni. (2012). Conflictos entre el trabajo profesional y no profesional de los farmacéuticos comunitarios en Indonesia. Pharmacy Practice (Internet). 10. 33-39.</p>
<p>Participations In Specialist Organizations over the past five years</p>	<p>Member of Indonesian Pharmacist Association</p>

Name	apt. Toetik Aryani, M.Si., Apt.			
Position	Lecturer of Department of Pharmacy Practice			
Academic Career	<ul style="list-style-type: none"> • Master of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2001 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 1988 • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 1987 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2010	
Research and Development projects over the past five years	Project Name	Duration	Partners	Funding
	Modulasi subunit alpha2-delta1 dari Voltage Dependent Calcium Channel pada model neuropati pasca terapi kanker	2023	-	Airlangga Research Fund
Cooperation with the Industry over the past five years	-			
Patent and Protected rights	-			
Publications	<ol style="list-style-type: none"> 1. Samirah, Samirah & Aryani, Toetik & Puspitasari, Arina & Ibrahim, Marisa & Lutfiyah, Bunga & Rasyid, Alfian. (2023). Therapy pattern of bronchodilators in chronic obstructive pulmonary disease (COPD) patients with acute exacerbations. <i>Pharmacy Education</i>. 23. 224-227. 10.46542/pe.2023.234.224227. 2. Aryani, Toetik & Samirah, Samirah & Maulidina, Aulia & Firdaus, Aulia & Gani, Maria & Nisak, Khoirotin & Khotib, Junaidi & Syukriya, Alvi. (2023). The administration of bovine hydroxyapatite: Alendronate implant accelerates bone defect healing in an osteoporotic rat. <i>Technology and Health Care</i>. 31. 1-11. 10.3233/THC-220612. 3. Aryani, Toetik & Rahmawati, Riska & Cintyadewi, Ni & Puspitasari, Arina & Rasyid, Alfian & Samirah, Samirah. (2023). Patterns of bronchodilator therapy in asthmatic outpatients. <i>Journal of Public Health in Africa</i>. 14. 10.4081/jphia.2023.2533. 4. Rahmadi, Mahardian & Su'aida, Nily & Yustisari, Pratiwi & Dewaandika, Wahyu & Oktavia, Elma & Andarsari, Mareta & Sumarno, Sumarno & Aryani, Toetik. (2021). Gastroprotective effect of flvoxamine and ondansetron on stress-induced gastric ulcers in mice. <i>Journal of Basic and Clinical Physiology and Pharmacology</i>. 32. 485-490. 10.1515/jbcpp-2020-0424. 			

	<p>5. Irfa'i, M & Muryanto, Stefanus & Pusparizkita, Yustina & Prihanto, A & Vaquer, A & Schmahl, Wolfgang & Ismail, Rifky & Jamari, J & Bayuseno, Athanasius. (2024). Calcination-based direct extraction of hydroxyapatite from bovine bone waste. <i>Environmental technology</i>. 1-13. 10.1080/09593330.2024.2330478.</p> <p>6. Gani, Maria & Putri, Bulan & Samirah, Samirah & Hikmawati, Dyah & Putra, Alfian & Su'aidah, Nily & Khotib, Junaidi. (2022). In vivo study of bovine hydroxyapatite-gelatin-hydroxypropyl methylcellulose with alendronate as injectable bone substitute composite in osteoporotic animal model. <i>Journal of Advanced Pharmaceutical Technology & Research</i>. 18. 261-265. 10.4103/japtr.japtr_266_22.</p> <p>7. Khotib, Junaidi & Rahmadi, Mahardian & Ardianto, Chrismawan & Nisak, Khoirotin & Oktavia, Rianur & Ratnasari, Ayu & Dinintia, Yunita & Shinta, Dewi & Aryani, Toetik & Suharjono,. (2019). Selective serotonin reuptake inhibitor fluvoxamine ameliorates stress- and NSAID-induced peptic ulcer possibly by involving Hsp70. <i>Journal of Basic and Clinical Physiology and Pharmacology</i>. 30. 10.1515/jbcpp-2018-0067.</p> <p>8. Khotib, Junaidi & Shinta, Dewi & Karsono, Sutoyo & Zubaida, B. & Samirah, & Aryani, T. & Kurniawan, M.A. & Suprapti, B.. (2014). Pharmaceutical interaction between cytostatic drugs and nacl 0,9% and dextrose 5% infusion. <i>Asian Journal of Pharmaceutical and Clinical Research</i>. 7. 116-119.</p>
Participations In Specialist Organizations over the past five years	Member of Indonesian Pharmacist Association

Name	apt. Rosita Handayani, M.Si.			
Position	Lecturer at Department of Phamaceutical Sciences			
Academic Career	<ul style="list-style-type: none"> • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2022 • Master of Pharmacy, Faculty of Pharmacy, Institut Teknologi Bandung. 2017 • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Indonesia. 2014 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2010	
Research and Development projects over the past five years	Project Name	Duration	Partners	Funding
	Pencarian Lead Compound dan Uji aktivitas In vitro Senyawa yang Berpotensi sebagai Inhibitor Plasmodium falciparum Prolyl-tRNA Synthetase (PfPRS) dari Database Senyawa Bahan Alam	2023	-	Airlangga Research Fund
Cooperation with the Industry over the past five years	-			
Patent and Protected rights	-			
Publications	<ol style="list-style-type: none"> 1. Studiawan, Herra & Sukardiman, Sukardiman & Lazulfa, Indana & Handayani, Rosita. (2023). Anti-Gastritis Activity of Cloves (<i>Eugenia caryophyllata</i> Thunberg) and Lime (<i>Citrus aurantifolia</i>) Leaf Extracts Combination in Absolute Alcohol Induced-Gastric Injury Mice. <i>Pharmacognosy Journal</i>. 15. 378-384. 10.5530/pj.2023.15.88. 2. Yuniarta, Tegar & Sumartha, I & Muhammad Fakhri, Taufik & Handayani, Rosita & Ramadhan, Dwi. (2023). Discovery of Potential Prolyl-tRNA Synthetase Allosteric Inhibitor Through Virtual Screening and In Vitro Assay against Plasmodium falciparum. <i>Jordan Journal of Pharmaceutical Sciences</i>. 16. 880-900. 10.35516/jjps.v16i4.1027. 3. Handayani, R., Purnamasari, W., & Mun'im, A. (2021). Optimization of ionic liquid-microwave assisted extraction method of Mahkota Dewa (<i>Phaleria macrocarpa</i> (Scheff.) Boerl.) fruit pulp. <i>Journal of Applied Pharmaceutical Science</i>, 11(2), 59-65. https://doi.org/10.7324/JAPS.2021.110208 4. RAHMA, RANA & Elya, Berna & Handayani, Rosita. (2020). INHIBITION OF LIPOXYGENASE ACTIVITY FROM 			

	<p>AVERRHOA CARAMBOLA L. LEAF EXTRACTS. International Journal of Applied Pharmaceutics. 116-118. 10.22159/ijap.2020.v12s1.FF024.</p> <p>5. Handayani, R., Bangun, A., Deborah, P. D., & Mun'im, A. (2020). Optimization of microwave- and ultrasonic-assisted extraction of mahkota dewa (<i>Phaleria Macrocarpa</i> [scheff.] boerl.) fruit pulp. <i>International Journal of Applied Pharmaceutics</i>, 12(Special Issue 1), 32-37. https://doi.org/10.22159/ijap.2020.v12s1.FF002</p> <p>6. ILMI, HAFIDZ & Elya, Berna & Handayani, Rosita. (2020). ASSOCIATION BETWEEN TOTAL PHENOL AND FLAVONOID CONTENTS IN ARTOCARPUS HETEROPHYLLUS (JACKFRUIT) BARK AND LEAF EXTRACTS AND LIPOXYGENASE INHIBITION. International Journal of Applied Pharmaceutics. 252-256. 10.22159/ijap.2020.v12s1.FF055.</p> <p>7. Sendangratri, Handayani, R., & Elya, B. (2019). Inhibitory effects of different varieties of sweet potato (<i>Ipomoea batatas</i> L.) tubers extracts on lipoxygenase activity. <i>Pharmacognosy Journal</i>, 11(6), 1195-1198. https://doi.org/10.5530/pj.2019.11.185</p> <p>8. Wijaya, S. J., Yanuar, A., Handayani, R., & Syahdi, R. R. (2019). In silico analysis of flavonoid glycosides and its aglycones as reverse transcriptase inhibitor. <i>Pharmacognosy Journal</i>, 11(6), 1252-1255. https://doi.org/10.5530/pj.2019.11.194</p> <p>9. Putri, I. R., Handayani, R., & Elya, B. (2019). Anti-Elastase Activity of Rumput Teki (<i>Cyperus rotundus</i> L.) Rhizome Extract. <i>Pharmacognosy Journal</i>, 11(4), 754-758. https://doi.org/10.5530/pj.2019.11.119</p> <p>10. Elya, Berna & Kusuma, Ika & Jufri, Mahdi & Handayani, Rosita. (2016). Antibacterial Tests Against Acne in vitro, the Physical Stability and Patch Test using Cream Containing Ethyl p-methoxycinnamate Extracted from <i>Kaempferia galanga</i> L., Rhizoma. <i>Research Journal of Medicinal Plants</i>. 10. 426-434. 10.3923/rjmp.2016.426.434.</p> <p>11. Elya, Berna & Handayani, Rosita & Sauriasari, Rani & Azizahwati, & Hasyiyati, U.S. & Permana, I.T. & Permatasari, Y.I.. (2015). Antidiabetic activity and phytochemical screening of extracts from Indonesian plants by inhibition of alpha amylase, alpha glucosidase and dipeptidyl peptidase IV. <i>Pakistan Journal of Biological Sciences</i>. 18. 273-278. 10.3923/pjbs.2015.279.284.</p>
Participations In Specialist Organizations over the past five years	Member of Indonesian Pharmacist Association

Name	Prof. Dr. Apt. Sukardiman, M.Si.			
Position	Lecturer at Department of Pharmaceutical Sciences			
Academic Career	<ul style="list-style-type: none"> • Doctor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2007 • Master of Pharmacy, Faculty of Pharmacy, Institut Teknologi Bandung. 1993 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 1988 • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Indonesia. 1987 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2010	
Research and Development projects over the past five years	Project Name	Duration	Partners	Funding
	Isolasi Senyawa Golongan Steroid dari Daun Mindi (<i>Melia azedarach</i> L.), uji Potensi dan Mekanisme Antikankernya terhadap sel T47D	2021	-	Ministry of Education, Culture, Research, and Technology
	Isolasi Senyawa Aktif Daun Terap (<i>Artocarpus odoratissimus</i>) Sebagai Anti Gout dengan Molekul Target Enzim Xantin Oksidase	2021	-	Ministry of Education, Culture, Research, and Technology
	Potensi Efek Sinergi Kombinasi Senyawa Turunan BATU (3-Benzoil Aliltiourea) dengan Lapatinib Terhadap Sel Kanker Payudara -MCF- 7	2021	-	Ministry of Education, Culture, Research, and Technology
	Potensi Aktivitas Antikanker Senyawa Alkaloid Daun Kratom (<i>Myragyna speciosa</i>) Terhadap Sel Kanker Payudara dan Induksi Apoptosis Secara In vitro	2022	-	Ministry of Education, Culture, Research, and Technology
	Isolasi dan Identifikasi Senyawa Flavonoid Daun <i>Syzygium cumini</i> (L.) Skeels. Var. Album Sebagai Antidiabetes Melalui Mekanisma Penghambatan Enzim α -Glukosidase	2022	-	Ministry of Education, Culture, Research, and Technology

	Potensi Ekstrak Kulit Buah Manggis dan Herba Kumis Kucing sebagai Terapi Diabetes, Obesitas, dan Sindroma Metabolik Pada Tikus Obesitas yang diberi Diet Tinggi Karbohidrat dan Tinggi	2022	-	Ministry of Education, Culture, Research, and Technology
	The Potential of Indonesian Original Medicine Plants as Aphrodisiac: A Systematic Review	2023	-	Airlangga Research Fund
Cooperation with the Industry over the past five years	-			
Patent and Protected rights	-			
Publications	<ol style="list-style-type: none"> 1. Ningsih, A. W., Syahrani, A., Septama, A. W., & Sukardiman, S. (2023). Metabolit Profiling and Antibacterial Activity of Ethanol Extract of the Unripe Fruit Peel of Kayu Banana (<i>Musa paradisiaca</i> L. Var. Kayu). <i>Trends in Sciences</i>, 21(2), 7154. https://doi.org/10.48048/tis.2024.7154 2. Parawansah, & Pratama, Rizki & Nuralifah, & Arfan, Arfan & Ruslin, & Widyowati, Retno & Sukardiman, Sukardiman. (2024). Anti-rheumatoid arthritis potential of <i>Acorus calamus</i> L. extract by interleukin-17 inhibition: Molecular insights through an in silico study. <i>Journal of Pharmacy & Pharmacognosy Research</i>. 12. 628-646. 10.56499/jppres23.1818_12.4.628. 3. Pratama, Rizki & Ahsana, Dina & Sahu, Dr. Ram & Sukardiman, Sukardiman & Widyowati, Retno. (2024). A Review of Ethnomedicine, Phytochemistry, and Pharmacological Studies on Yellow Roots (<i>Arcangelisia flava</i> (L.) Merr.). <i>Malaysian Journal of Chemistry</i>. 26. 224-239. 4. Mutiah, Roihatul & SUKARDIMAN, & Milliana, Alvi & RAHMAWATI, ERMIN & Ainur Fitrianiingsih, Avin & Yueniwati, Yuyun. (2023). NETWORK PHARMACOLOGY, APOPTOSIS, AND CELL CYCLE INHIBITION OF SESQUITERPENE COMPOUNDS FROM QUSTHUL HINDI ROOT EXTRACT (<i>SAUSSUREA LAPPA</i>) IN BREAST CANCER: AN IN SILICO AND IN VITRO APPROACH. <i>International Journal of Applied Pharmaceutics</i>. 132-141. 10.22159/ijap.2023v15i6.48798. 5. Pratama, Rizki & Sholikhah, Irawati & Sukardiman, Sukardiman & Sahu, Dr. Ram & Widyowati, Retno. (2023). Phytochemical Compounds Identification From 70% Ethanol Extract of <i>Arcangelisia Flava</i> (L.) Merr Stems Using LC-MS/MS and In- 			

	Silico Molecular Docking Approach as Inhibitor Interleukin-1 β . Pharmacognosy Journal. 15. 528-534. 10.5530/pj.2023.15.114.
Participations In Specialist Organizations over the past five years	Member of Indonesian Pharmacist Association

Name	apt. Anila Impian Sukorini, M.Farm.		
Position	Lecturer of Department of Pharmacy Practice		
Academic Career	<ul style="list-style-type: none"> • Master of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2017 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2003 • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2002 		
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2010
Research and Development projects over the past five years	-		
Cooperation with the Industry over the past five years	-		
Patent and Protected rights	-		
Publications	<ol style="list-style-type: none"> 1. Jihadi, Mohammad & Yuda, Ana & Sukorini, Anila & Hermansyah, Andi & Shafqat, Naeem & Siang, Tan & Ming, L C. (2023). Drug-related problems in hospitalized patients with type 2 diabetes mellitus: A systematic review. Exploratory Research in Clinical and Social Pharmacy. 12. 100348. 10.1016/j.rcsop.2023.100348. 2. Pratiwi, Asri & Utami, Wahyu & Athiyah, Umi & Rahem, Abdul & Sukorini, Anila & Hermansyah, Andi. (2023). Exploring the pharmacist role and challenges during COVID-19 pandemic in the public healthcare setting: A qualitative study. Pharmacy Education. 23. 247-250. 10.46542/pe.2023.234.247250. 3. Safarah, Firiyal & Priyandani, Yuni & Athiyah, Umi & Rahem, Abdul & Sukorini, Anila & Hermansyah, Andi. (2023). The impact of COVID-19 on the management of medicines at a public health centre: A showcase of pharmacist resilience. Pharmacy Education. 23. 223-226. 10.46542/pe.2023.232.223226. 4. Sukorini, Anila & Rahayu, Titik & Suwito, Kandi & Hermansyah, Andi. (2022). The potential role of pharmacists in counteracting health misinformation in social media. Pharmacy Education. 22. 292-296. 10.46542/pe.2022.222.292296. 5. Puspitasari, Hanni & Fatmaningrum, Dhita & Zahro, Sa'adatus & Salsabila, Shofi & Rizqulloh, Zulfia & Yuda, Ana & Mubasir, Mufarrihah & Sukorini, Anila & Purwitasari, Neny. (2021). Challenges in the provision of natural medicines by community pharmacists in East Java Province, Indonesia. 		

	<p>Journal of basic and clinical physiology and pharmacology. 32. 875-880. 10.1515/jbcpp-2020-0499.</p> <p>6. Hermansyah, Andi & Sukorini, Anila & Rahayu, Titik & Suwito, Kandi. (2021). Exploring pharmacist experience and acceptance for debunking health misinformation in the social media. <i>Pharmacy Education</i>. 21. 42-47. 10.46542/pe.2021.212.4247.</p> <p>7. Hermansyah, Andi & Sukorini, Anila & Rahem, Abdul. (2021). The remuneration of the community pharmacist in the developing world: the case in Indonesia. <i>Pharmacy Education</i>. 21. 36-41. 10.46542/pe.2021.212.3641.</p> <p>8. Rijaluddin, Muhammad & Utami, Wahyu & Othman, Zulhabri & Puspitasari, Hanni & Rahem, Abdul & Sukorini, Anila & Hermansyah, Andi. (2020). Exploration of barriers affecting job satisfaction among community pharmacists. <i>Journal of basic and clinical physiology and pharmacology</i>. 10.1515/jbcpp-2019-0325.</p> <p>9. Hermansyah, Andi & Sukorini, Anila & Asmani, Fadli & Suwito, Kandi & Rahayu, Titik. (2019). The contemporary role and potential of pharmacist contribution for community health using social media. <i>Journal of Basic and Clinical Physiology and Pharmacology</i>. 30. 10.1515/jbcpp-2019-0329.</p> <p>10. Hermansyah, Andi & Sukorini, Anila & Setiawan, Catur Dian & Priyandani, Yuni. (2012). Conflictos entre el trabajo profesional y no profesional de los farmacéuticos comunitarios en Indonesia. <i>Pharmacy Practice (Internet)</i>. 10. 33-39.</p>
<p>Participations In Specialist Organizations over the past five years</p>	<p>Member of Indonesian Pharmacist Association</p>

Name	apt. Dinda Monika N.R., M.Farm.Klin.			
Position	Lecturer of Department of Pharmacy Practice			
Academic Career	<ul style="list-style-type: none"> • Master of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2012 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2010 • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2009 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2010	
Research and Development projects over the past five years	Project Name	Duration	Partners	Funding
	Analisis aktivitas farmasi klinik sebagai model rujukan standart pelayanan kefarmasian pada pengembangan baban kerja apoteker: pendekatan berbasis bukti	2023	-	Ministry of Education, Culture, Research, and Technology
Cooperation with the Industry over the past five years	-			
Patent and Protected rights	-			
Publications	<ol style="list-style-type: none"> 1. Rahmadi, Mahardian & Haris, M. & Kusuma, Anggraini & Ahmad, Annisa & Puspitasari, Arina & Monika, Dinda & Ardianto, Chrismawan. (2023). Role of 5-HT1A Receptor on Fluvoxamine induced Gastrointestinal Mucosa Protection and Healing in Animal with Stress-Induced Gastric Ulcer. Research Journal of Pharmacy and Technology. 709-714. 10.52711/0974-360X.2023.00121. 2. Ratri, Dinda & Farid, Muhammad & As-Shiddiq, Hasbi & Priono, Airlangga & Widhayatina, Ananda & Fatikhasari, Devita & Chaerani, Dinda & Ayundari, Ellyna & Windianto, Farhan & Meir, Kallista & Marthadilawati, Lie & Gomo, Ludiro & Octaviandy, Moch & Ramadhan, Muhammad & Winarko, Peggy & Azhalia, Satya & Rinardi, Widad. (2023). Adolescent knowledge in COVID-19 prevention based on Centres for Disease Control guideline. Pharmacy Education. 23. 316-320. 10.46542/pe.2023.234.316320. 3. Ardianto, Chrismawan & Judoko, Ardian & Aprilia, Mirza & Monika, Dinda & Ariyani, Toetik & Rahmadi, Mahardian & Khotib, Junaidi. (2022). Effect of Andrographolide and Resveratrol on OX1R and Prepro-orexin mRNA expression in CIPN-induced hypothalamus of mice with oxaliplatin. Research Journal of Pharmacy and Technology. 4765-4771. 10.52711/0974-360X.2022.00800. 			

	<ol style="list-style-type: none"> 4. Rahmadi, Mahardian & Suasana, Dian & Lailis, Silvy & Monika, Dinda & Ardianto, Chrismawan. (2021). The effects of quercetin on nicotine-induced reward effects in mice. <i>Journal of Basic and Clinical Physiology and Pharmacology</i>. 32. 327-333. 10.1515/jbcpp-2020-0418. 5. Monika, Dinda & Puspitasari, Arina & Wibisono, Cahyo & Suprapti, Budi & Suharjo, & Alderman, Christopher. (2021). Gender differences in the blood glucose type 2 diabetes patients with combination rapid and long acting insulin therapy. <i>Journal of Basic and Clinical Physiology and Pharmacology</i>. 32. 567-570. 10.1515/jbcpp-2020-0463. 6. Rahmadi, Mahardian & Madina, Ulya & Sulianto, Iwan & Padolo, Elfri & Ardianto, Chrismawan & Monika, Dinda & Fauzi, Agus & Suharjo, . (2020). Study on dosage range evaluation opioid analgesic for breakthrough pain in cancer patients: a retrospective study. <i>Annals of Palliative Medicine</i>. 9. 22-22. 10.21037/apm-20-492 7. Puspitasari, Arina & Kusuma, Hayu & Monika, Dinda & Wibisono, Cahyo & Suprapti, Budi. (2020). The effect of premixed insulin to blood glucose concentration in patients with type 2 diabetes mellitus. <i>Journal of Basic and Clinical Physiology and Pharmacology</i>. 30. 10.1515/jbcpp-2019-0342. 8. Monika, Dinda & Rahmadi, Mahardian & Islamiyah, Wardah & Harum, Nur. (2020). Overview of therapeutic changes in antiepileptic drugs in adult patients. <i>Journal of Basic and Clinical Physiology and Pharmacology</i>. 30. 10.1515/jbcpp-2019-0346. 9. Monika, Dinda & Hamidah, Khusnul Fitri & Puspitasari, Arina & Farid, Muhammad. (2022). Video-Based Health Education to Support Insulin Therapy in Diabetes Mellitus Patients. <i>Journal of Public Health Research</i>. 9. 10.4081/jphr.2020.1849.
Participations In Specialist Organizations over the past five years	Member of Indonesian Pharmacist Association

Name	apt. Arina Dery Puspitasari, M.Farm.Klin			
Position	Lecturer of Department of Pharmacy Practice			
Academic Career	<ul style="list-style-type: none"> • Master of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2012 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2008 • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2007 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2010	
Research and Development projects over the past five years	Project Name	Duration	Partners	Funding
	Studi Penggunaan Aminofilin pada Pasien Covid-19 dengan kondisi Acute Respiratory Distress Syndrome	2021	-	Penelitian Dosen Pemula Universitas Airlangga
Cooperation with the Industry over the past five years	-			
Patent and Protected rights	-			
Publications	<ol style="list-style-type: none"> 1. Suprapti, B., Debora, L., Safitri, R. A., Kusumawati, D., & Puspitasari, A. D. (2023). Analysis of factors affecting enoxaparin effectiveness on coagulation, inflammation, and clinical outcomes in patients with COVID-19. <i>Journal of Pharmacy and Pharmacognosy Research</i>, 11(6), 1106-1113. https://doi.org/10.56499/jppres23.1683_11.6.1106 2. Samirah, Samirah & Aryani, Toetik & Puspitasari, Arina & Ibrahim, Marisa & Lutfiyah, Bunga & Rasyid, Alfian. (2023). Therapy pattern of bronchodilators in chronic obstructive pulmonary disease (COPD) patients with acute exacerbations. <i>Pharmacy Education</i>. 23. 224-227. 10.46542/pe.2023.234.224227. 3. Rahmadi, Mahardian & Iqbal, Zuhaela & Pratama, Ikbar & Karunia, Rifky & Puspitasari, Arina & Nisak, Khoirotin. (2023). PEG-4000 Ameliorates morphine-induced constipation in mice through inhibition of AQP-3 mRNA Expression. <i>Research Journal of Pharmacy and Technology</i>. 3331-3338. 10.52711/0974-360X.2023.00550. 4. Rosyid, Alfian & Puspitasari, Arina & Soebakti, Erika & Sensusiati, Anggraini & Nugraha, Jusak & Amin, Muhammad. (2023). Chest X-Ray using Brixia and Fractional Inspiratory Oxygen as Severity and Mortality predictor of COVID-19. 182-187. 10.1145/3608298.3608332. 5. Aryani, Toetik & Rahmawati, Riska & Cintyadewi, Ni & Puspitasari, Arina & Rasyid, Alfian & Samirah, Samirah. 			

	<p>(2023). Patterns of bronchodilator therapy in asthmatic outpatients. <i>Journal of Public Health in Africa</i>. 14. 10.4081/jphia.2023.2533.</p> <p>6. Rahmadi, Mahardian & Haris, M. & Kusuma, Anggraini & Ahmad, Annisa & Puspitasari, Arina & Monika, Dinda & Ardianto, Chrismawan. (2023). Role of 5-HT1A Receptor on Fluvoxamine induced Gastrointestinal Mucosa Protection and Healing in Animal with Stress-Induced Gastric Ulcer. <i>Research Journal of Pharmacy and Technology</i>. 709-714. 10.52711/0974-360X.2023.00121.</p> <p>7. Budiarti, Tamara & Puspitasari, Arina & Rosyid, Alfian & Indriani, Diah & Melaniani, Soenarnatalina & Satryo, Fatimatuz & Aina, Lily & Ardianto, Nanda & Rachman, Melinda & Meiliani, Fauzul. (2022). Insomnia Among Covid-19 Patients During Isolation Treatment in Inpatient Room of Indonesian Health Care Facilities. <i>Media Kesehatan Masyarakat Indonesia</i>. 18. 18-25. 10.30597/mkmi.v18i1.19109.</p> <p>8. Rosyid, Alfian & Endraswari, Pepy & Kusmiati, Tutik & Puspitasari, Arina & Purba, Abdul & Effendi, Wiwin & Soedarsono, Soedarsono & Nasronudin, & Amin, Muhammad. (2021). The Spectrum of Cefditoren for Lower Respiratory Tract Infections (LRTIs) in Surabaya. <i>Current Drug Therapy</i>. 17. 10.2174/1574885517666211220150412.</p> <p>9. Rahmadi, Mahardian & Ardianto, Chrismawan & Nurhan, Ahmad & Chasanah, Rafiqah & Krismonika, Dewi & Puspitasari, Arina & Suprapti, Budi & Balan, Santhra & Phan, Chia-Wei & Khotib, Junaidi. (2022). Bisacodyl overcomes morphine-induced constipation by decreasing colonic Aquaporin-3 and Aquaporin-4 expression. <i>Research Results in Pharmacology</i>. 8. 65-75. 10.3897/rrpharmacology.8.82242.</p> <p>10. Suprapti, Budi & Izzah, Zamrotul & Yoshida, Maria & Puspitasari, Arina & Wibisono, Cahyo. (2022). Impact of pharmacist-led education on knowledge, adherence, and glycaemic control of type 2 diabetic outpatients. <i>Pharmacy Education</i>. 22. 795-804. 10.46542/pe.2022.221.795804.</p>
Participations In Specialist Organizations over the past five years	Member of Indonesian Pharmacist Association

Name	apt. Yusuf Alif Pratama, M.Farm.			
Position	Lecturer at Department of Pharmaceutical Sciences			
Academic Career	<ul style="list-style-type: none"> • Master of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2023 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2021 • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2020 			
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2010	
Research and Development projects over the past five years	Project Name	Duration	Partners	Funding
	Efektivitas dan Toksisitas Dermal Gel Niosom Ekstrak Alergen Indonesian House Dust Mites pada Mencit Model Rhinitis Alergi	2022	-	Ministry of Education, Culture, Research, and Technology
Cooperation with the Industry over the past five years	-			
Patent and Protected rights	-			
Publications	<ol style="list-style-type: none"> 1. Kusumawati, Idha & Rullyansyah, Subhan & Warsito, Mega & Alif Pratama, Yusuf & Hestianah, Eka & Matsunami, Katsuyoshi. (2024). Formulation and evaluation of encapsulated Graptophyllum pictum (L.) Griff. ethanolic extract in lipid vesicles for hemorrhoid treatment. <i>Journal of Pharmacy & Pharmacognosy Research</i>. 12. 27-38. 10.56499/jppres23.1655_12.1.27. 2. Alif Pratama, Yusuf & Marhaeny, Honey Dzikri & Rohmah, Lutfiatur & Kasatu, Salsabilla & Nurhan, Ahmad & Rahmadi, Mahardian & Khotib, Junaidi. (2023). Allergic rhinitis behavioral changes after Indonesian house dust mites allergenic extract administration as immunotherapy. <i>Journal of Public Health in Africa</i>. 14. 10.4081/jphia.2023.2510. 3. Marhaeny, Honey Dzikri & Alif Pratama, Yusuf & Rohmah, Lutfiatur & Kasatu, Salsabilla & Miatmoko, Andang & Khotib, Junaidi. (2023). Development of gastro-food allergy model in shrimp allergen extract-induced sensitized mice promotes mast cell degranulation. <i>Journal of Public Health in Africa</i>. 14. 10.4081/jphia.2023.2512. 4. Alif Pratama, Yusuf & Marhaeny, Honey Dzikri & Kasatu, Salsabilla & Rohmah, Lutfiatur & Nurhan, Ahmad & Rahmadi, Mahardian & Khotib, Junaidi. (2023). The optimisation and standardisation of Indonesian house dust mites allergenic 			

	<p>extract as a desensitising agent. <i>Pharmacy Education</i>. 23. 137-139. 10.46542/pe.2023.234.137139.</p> <p>5. Kusumawati, I., Rullyansyah, S., Warsito, M. F., Zdulqornain, M., Nuraini, F., Rizka, A. F., Pratama, Y. A., Widyowati, R., Hestianah, E. P., & Matsunami, K. (2023). ACUTE TOXICITY ASSESSMENT OF GRAPTOPHYLLUM PICTUM (L.) GRIFF. LEAVES ETHANOLIC EXTRACT AND ITS NANOFORMULATIONS: COMPARATIVE STUDY OF PHYTOSOME AND CYCLODEXTRIN INCLUSION COMPLEX. <i>Farmacia</i>, 71(1), 72-82. https://doi.org/10.31925/farmacia.2023.1.10</p> <p>6. Sagitaras, Ilham & Marhaeny, Honey Dzikri & Alif Pratama, Yusuf & Ardianto, Chrismawan & Suasana, Dian & Nurhan, Ahmad & Sari, Winda & Dinina, Fakhriyah & Taher, Muhammad & Khotib, Junaidi. (2023). Effectiveness of Shrimp Allergenic Extract as an Immunotherapy Agent in Mice Model of Gastrointestinal Allergy. <i>Research Journal of Pharmacy and Technology</i>. 163-168. 10.52711/0974-360X.2023.00030.</p> <p>7. Khotib, Junaidi & Marhaeny, Honey Dzikri & Miatmoko, Andang & Ardianto, Chrismawan & Rahmadi, Mahardian & Alif Pratama, Yusuf & Taher, Muhammad. (2022). Differentiation of osteoblasts: the links between essential transcription factors. <i>Journal of biomolecular structure & dynamics</i>. 41. 1-20. 10.1080/07391102.2022.2148749.</p> <p>8. Khotib, Junaidi & Samirah, Samirah & Ardianto, Chrismawan & Gani, Maria & Putri, Bulan & Arofik, Huzaifah & Sadiwa, Rizka & Lestari, Indri & Alif Pratama, Yusuf & Rahadiansyah, Erreza & Susilo, Imam. (2022). Acceleration of Bone Fracture Healing through the Use of Bovine Hydroxyapatite or Calcium Lactate Oral and Implant Bovine Hydroxyapatite–Gelatin on Bone Defect Animal Model. <i>Polymers</i>. 14. 2-18. 10.3390/polym14224812.</p> <p>9. Alif Pratama, Yusuf & Dinina, Fakhriyah & Nurhan, Ahmad & Sari, Winda & Ardianto, Chrismawan & Khotib, Junaidi. (2022). Effectiveness of Indonesian house dust mite allergenic extract in triggering allergic rhinitis sensitivity in a mouse model: A preliminary study. <i>Veterinary World</i>. 15. 2333-2341. 10.14202/vetworld.2022.2333-2341.</p>
Participations In Specialist Organizations over the past five years	Member of Indonesian Pharmacist Association

Name	Dr. apt. Yulistiani, M.Si., Apt		
Position	Lecturer at Department of Pharmacy Practice		
Academic Career	<ul style="list-style-type: none"> • Doctor of Pharmacy, Faculty of Pharmacy, Universitas Airlangga. 2017 • Master of Pharmacy, Faculty of Pharmacy, Institut Teknologi Bandung. 1998 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 1991 • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Indonesia. 1990 		
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2010
Research and Development projects over the past five years	-		
Cooperation with the Industry over the past five years	-		
Patent and Protected rights	-		
Publications	<ol style="list-style-type: none"> 1. Atmaja, Dewi & Saksono, Reni & Yulistiani, Yulistiani & Suharjono, & Zairina, Elida. (2024). Evaluation of Medication Errors in One of the Largest Public Hospital: A Retrospective Study. <i>Clinical Epidemiology and Global Health</i>. 28. 101640. 10.1016/j.cegh.2024.101640. 2. Yulistiani, Yulistiani & Utomo, Febriansyah & Wibisono, Cahyo & Rahayu, Muga. (2023). Identification of Drug-Related Problems (DRPS) of drugs with special dosage forms in geriatric patients (study at the outpatient pharmacy unit, Airlangga University Hospital, Surabaya). <i>Pharmacy Practice</i>. 21. 01-08. 10.18549/PharmPract.2023.3.2829. 3. Donastin, Adyan & Amin, Muhammad & Yulistiani, Yulistiani. (2023). Mechanism of High Dosage Vitamin D Supplementation on The Lung Function and Quality of Life of Stable COPD Patients. <i>Pharmacognosy Journal</i>. 15. 274-278. 10.5530/pj.2023.15.74. 4. Yulistiani, Yulistiani & Kharismawati, Indira & Ugrasena, I & Qibtiyah, Mariyatul. (2023). Effect of Allopurinol administration on the uric acid level and kidney function in paediatrics with tumour lysis syndrome (TLS) and high-risk TLS. <i>Pharmacy Education</i>. 23. 87-91. 10.46542/pe.2023.234.8791. 5. Muliana, Hilda & Suharjono, Suharjono & Yulistiani, Yulistiani & Suprapti, Budi. (2022). The Satisfaction of Covid-19 patients Self-home Care with Telepharmacy Services. 		

	Research Journal of Pharmacy and Technology. 5583-5588. 10.52711/0974-360X.2022.00943.
Participations In Specialist Organizations over the past five years	Member of Indonesian Pharmacist Association

Name	apt. Zamrotul Izzah, M.Sc., Ph.D.		
Position	Lecturer at Department of Pharmacy Practice		
Academic Career	<ul style="list-style-type: none"> • Master of Medical Pharmaceutical Sciences, University of Groningen, Belanda. 2024 • Clinical Pharmacy International Practice and Policy, Ucl - School of Pharmacy, London, England 2013 • Apothecary (Apt), Faculty of Pharmacy, Universitas Airlangga, Indonesia. 2008 • Bachelor of Pharmacy, Faculty of Pharmacy, Universitas Indonesia. 2007 		
Employment	Lecturer	Faculty of Pharmacy Universitas Airlangga	2010
Research and Development projects over the past five years	-		
Cooperation with the Industry over the past five years	-		
Patent and Protected rights	-		
Publications	<ol style="list-style-type: none"> 1. Izzah, Z., Suprapti, B., Asmarawati, T. P., Åberg, C., & Touw, D. J. (2024). Antiretroviral adherence and treatment outcomes among patients living with HIV at an Indonesian HIV clinic: a cross-sectional study. <i>Pharmacy Practice</i>, 22(1), Article 2898. https://doi.org/10.18549/PharmPract.2024.1.2898 2. Suprapti, Budi & Izzah, Zamrotul & Anjani, Ade & Andarsari, Mareta & Nilamsari, Wenny & Wibisono, Cahyo. (2023). Prevalence of medication adherence and glycemic control among patients with type 2 diabetes and influencing factors: A cross-sectional study. <i>Global Epidemiology</i>. 5. 100113. 10.1016/j.gloepi.2023.100113. 3. Sianturi, Elfride & Izzah, Zamrotul & Huda, Khoirul & Sada, Evelyn & Perwitasari, Dyah & Mantiri, Steven & Gunawan, Elsy. (2023). Determinants of quality of life among people with HIV and tuberculosis in an underserved area in Indonesia: a cross-sectional study. <i>Pan African Medical Journal</i>. 46. 10.11604/pamj.2023.46.61.41521. 4. Hamidah, Khusnul Fitri & Rahmadi, Mahardian & Meutia, Farah & Kriswidyatomo, Prihatma & Rahman, Firman & Izzah, Zamrotul & Zulkarnain, Bambang & Aminde, Leopold & Alderman, Christopher & Yulistiani, Yulistiani & Suprapti, Budi. (2022). Prevalence and factors associated with potentially inappropriate medication and medication complexity for older adults in the emergency department of a secondary teaching hospital in Indonesia. <i>Pharmacy Practice</i>. 20. 01-11. 10.18549/PharmPract.2022.4.2735. 		

	<p>5. Suprapti, Budi & Izzah, Zamrotul & Yoshida, Maria & Puspitasari, Arina & Wibisono, Cahyo. (2022). Impact of pharmacist-led education on knowledge, adherence, and glycaemic control of type 2 diabetic outpatients. <i>Pharmacy Education</i>. 22. 795-804. 10.46542/pe.2022.221.795804.</p> <p>6. Izzah Z, Zijp TR, Åberg C, Touw DJ, van Boven JFM. Electronic Smart Blister Packages to Monitor and Support Medication Adherence: A Usability Study. <i>Patient Preference Adherence</i>. 2022 Sep 13;16:2543-2558. doi: 10.2147/PPA.S374685. PMID: 36124125; PMCID: PMC9482437.</p> <p>7. Zijp, Tanja & Izzah, Zamrotul & Åberg, Christoffer & Gan, C.T & Bakker, Stephan & Touw, Daan & Van Boven, Job. (2021). Clinical Value of Emerging Bioanalytical Methods for Drug Measurements: A Scoping Review of Their Applicability for Medication Adherence and Therapeutic Drug Monitoring. <i>Drugs</i>. 81. 10.1007/s40265-021-01618-7.</p> <p>8. Sumorejo, Purwati & Purnama, Disca & Miatmoko, Andang & Nasronudin, Nasronudin & Dinaryanti, Aristika & Karsari, Deya & Hendrianto, Eryk & Ihsan, Igo & Ertanti, Nora & Asmarawati, Tri & Marfiani, Erika & Izzah, Zamrotul & Rosyid, Alfian & Wulaningrum, Prastuti & Setiawan, Herley. (2020). The Potential of Hematopoietic Stem Cells (Hsc) Against Sars-Cov-2 (Covid-19) With Virus Isolates From Indonesia (In Vitro Study). 10.21203/rs.3.rs-36153/v1.</p> <p>9. Suprapti, Budi & Suharjo, Suharjo & Raising, Rahmawati & Yulistiani, Yulistiani & Izzah, Zamrotul & Nilamsari, Wenny & Wulaningrum, Prastuti & Bachtiar, Arief. (2018). Effects of Probiotics and Vitamin B Supplementation on IFN-γ and IL-12 Levels During Intensive Phase Treatment of Tuberculosis. <i>INDONESIAN JOURNAL OF PHARMACY</i>. 29. 80. 10.14499/indonesianjpharm29iss2pp80.</p>
Participations In Specialist Organizations over the past five years	Member of the Indonesian Pharmacist Association