

Module Handbook

Module Name:	Phytopharmacy
Module Level:	Bachelor
Abbreviation, if applicable:	Lecture FAB304 Practical Work FAB307
Sub-heading, if applicable:	
Courses included in the module, if applicable:	
Semester/term:	2 / Third year
Module coordinator(s):	Dr. Idha Kusumawati, S.Si., Apt., M.Si
Lecturer(s):	Dr. Idha Kusumawati, S.Si., Apt., M.Si Prof.Dr.Bambang Prajogo EW.,Apt.,MS Prof.Dr. rer. nat. Gunawan Indrayanto,Apt. Helmy Yusuf, S.Si.,Apt.,M.Sc., PhD Rr. Retno Widyowati, S.Si., Apt., M.Pharm.,PhD Prof. Dr. Sukardiman, Apt., MS Dr. Achmad Fuad Hafidz, Apt., MS Dr. Wiwied Ekasari, Apt., M.Si Dra. Rakhmawati, Apt., M.Si Drs. Herra Studiawan, Apt., M.Si Suciati, S.Si., Apt., M.Phil., PhD Neny Purwitasari, S.Farm., Apt., M.Sc Lusiana Arifianti, S.Farm., Apt., M.Farm
Language:	Bahasa Indonesia
Classification within the curriculum:	Compulsory Course/ Elective Studies
Teaching format/class hours per week during the semester:	Lecture 100 minutes lectures, 13 lecture classes/semester Practical Work 100 minutes practical work classes, 13 practical work classes /semester
Workload:	Lecture Total 22 hours a semester Practical Work Total 22 hours a semester
Credit Points:	Lecture 2 Practical Work 1
Requirements:	Phytochemistry (FAB303), Analytical Pharmacy II (KIA307) and Practical Work of Analytical Pharmacy II (KIA308)
Learning goal/competencies:	Knowledge <ul style="list-style-type: none"> - To understand the concept of Phytopharmacy Skills <ul style="list-style-type: none"> - Critical thinking, comprehensive, and valid scientifically and academically - Actively accessing newest primer information and discussing to make scientific-academic decision - Ability to express opinion by oral or written and

	Appreciating other's opinion
	<p>Competence</p> <ul style="list-style-type: none"> – Able to make phytopharmaceutic dosage forms with guaranteed quality and able to do bioactivity test and its safety
Content:	<p>Lecture</p> <p>Development of phytopharmaceutical drug, regulation and registration of product, marker compound and phytoequivalent concept, material, extract, quality control method development, formulation, preclinic and clinic test</p> <p>Practical Work</p> <p>Development of phytopharmaceutical drug, regulation and registration of product, marker compound and phytoequivalent concept, material, extract, quality control method development, formulation, preclinic and clinic test</p>
Study/exam achievements:	<p>Lecture</p> <p>Student are considered to be competent and pass if at least get 50% of maximum mark of the exams based learning.</p> <p>Final score (NA) is calculated as follow :</p> <p>50% Exam I + 50% Exam II</p> <p>Final index is defined as follow :</p> <p>A : 100 > NA > 75 AB : 75 > NA > 70 B : 70 > NA > 65 BC : 65 > NA > 60 C : 60 > NA > 55 D : 55 > NA > 50 E : 50 < NA</p> <p>Practical Work</p> <p>Student is considered to be competent and pass if at least get 50% of maximum mark of the exams based learning.</p> <p>Final score (NA) is calculated as follow :</p> <p>10% group's report + 10% group's presentation + 30% Exam I + 50% Exam II</p> <p>Final index is defined as follow :</p> <p>A : 100 > NA > 75 AB : 75 > NA > 70 B : 70 > NA > 65 BC : 65 > NA > 60 C : 60 > NA > 55 D : 55 > NA > 50 E : 50 < NA</p>
Forms of Media:	LCD projector and Laptop
Literature:	<ol style="list-style-type: none"> 1. Anonim, 1985, <i>Obat Kelompok Fitoterapi</i>, Departemen Kesehatan Republik Indonesia 2. List P.H and Schmidt P.C, 1989, <i>Phytopharmaceutical Technology</i>, CRC Press, Boston

	3. Anonim, 1991, Penapisan Farmakologi Pengujian Fitokimia dan Pengujian Klinik, Pengembangan dan Pemanfaatan Obat Bahan Alam, Kelompok Kerja Ilmiah Phyto Medica
	4. Wijesekera R.O.B, 1991, <i>The Medicinal Plant Industry</i> , CRC Press, Washington DC
	5. Anonim, 2000, <i>Parameter Standar Ekstrak</i> , Departemen Kesehatan Republik Indonesia
	6. Anonim, 1986, <i>Obat Tradisional dan Fitoterapi: Uji Toksikologi</i> , Fakultas Farmasi UGM, Yogyakarta
	7. Anonim, 2001, <i>Pengujian Klinik</i> , Departemen Kesehatan Republik Indonesia
	8. Anonim, 1995, <i>Materia Medika</i> Indonesia Jilid VI, Departemen Kesehatan Republik Indonesia
Notes:	