

## Curriculum Structure

Study Programme / 14 Nopember 2023

### Curriculum Structure of Apothecary Education Programme consists of Bachelor Degree Programme and Professional Degree Programme

#### UNDERGRADUATE PROGRAM–PHARMACEUTICAL STUDY PROGRAM

No	Courses		Course Load (credits)			
	Code	Name	Lecture	Tutorial	Practicum	Total
1	2	3	4	5	6	7
<b>SEMESTER 1</b>						
1	SIP107	Data and References	2	-	-	2
2	AGI101	Islam I	2	-	-	2
	AGK101	Catholic Religion I				
	AGP101	Protestant Christianity I				
	AGH101	Hinduism I				

	AGB101	Buddhism I				
3	NOP101	Pancasila	2	-	-	2
4	NOP104	Civics Education	2	-	-	2
5	BAI101	Indonesian Language	2	-	-	2
6	KMU103	Health Com munications and Basic Health Services	2	-	-	2
7	ETM101	Health Ethics and Law	2	-	-	2
8	BID110	Cellular and Molecular Biology	2	-	-	2
9	KID111	Basic Pharma ceutical Chemistry	2	-	-	2
	KID112	Basic Pharma- ceutical Chemistry (practicum)		-	1	1
<b>Total Course Load in Semester 1</b>			<b>18</b>	<b>-</b>	<b>1</b>	<b>19</b>
<b>ECTS</b>			<b>28,8</b>	<b>-</b>	<b>1,6</b>	<b>30,4</b>

No	Courses	Course Load (credits)
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	<b>Code</b>	<b>Name</b>	<b>Lecture</b>	<b>Tutorial</b>	<b>Practicum</b>	<b>Total</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
<b>SEMESTER 2</b>						
1	PHP103	Logic and Critical Thinking	2	-	-	2
2	MNM107	Introduction to Scientific Collaboration	2	-	-	2
3	MNM106	Communication and Personal Development	2	-	-	2
4	FAM101	Fundamentals Pharmacy	2	-	-	2
5	FAT102	Biomedical Science	5	-	-	5
6	KIF201	Physical Chemistry	2	-	-	2
	KIF206	Physical Chemistry (practicum)	-	-	1	1
7	FAB101	Pharmaceutical Botany		-	-	1
	FAB102	Pharmaceutical Botany (practicum)		-	1	1
8	KIO105	Pharmaceutical		-	-	2

al Organic  
Chemistry I

<b>Total Course Load in Semester 2</b>	<b>18</b>	<b>-</b>	<b>2</b>	<b>20</b>
<b>ECTS</b>	<b>28,8</b>	<b>-</b>	<b>3,2</b>	<b>32</b>

No	Courses		Course Load (credits)			
	Code	Name	Lecture	Tutorial	Practicum	Total
1	2	3	5	6	7	8

**SEMESTER 3**

1	FAM204	Pharmacy Practice I	2	-	-	2
	FAM205	Pharmacy Practice I (practicum)	-	-	1	1
2	FAT216	Pharmacology and Toxicology		-	-	2
	FAT217	Pharmacology and Toxicology (practicum)		-	1	1
3	FAF301	Biopharmaceuticals		-	-	2
4	FAF201	Physical Pharmacy	2	-	-	2

	FAF214	Physical Pharmacy (practicum)	-	-	2	2
5	KIA216	Analytical Chemistry	2	-	-	2
	KIA217	Analytical Chemistry (practicum)	-	-	2	2
6	FAB211	Pharmacognosy	2	-	-	2
	FAB212	Pharmacognosy (practicum)	-	-	1	1
7	KIO207	Pharmaceutical Organic Chemistry II	2	-	-	2
<b>Total Course Load in Semester 3</b>			<b>14</b>	<b>-</b>	<b>7</b>	<b>21</b>
<b>ECTS</b>			<b>22,4</b>	<b>-</b>	<b>11,2</b>	<b>33,6</b>

No	Courses		Course Load (credits)			
	Code	Name	Lecture	Tutorial	Practicum	Total
1	2	3	5	6	7	8

#### SEMESTER 4

1	FAT226	Pharmacotherapy I	2	-	-	2
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	FAT227	Pharmacotherapy I Tutorials	1	-	1
2	FAK201	Pharmacokinetics	-	-	3
	FAK202	Pharmacokinetics (practicum)	-	1	1
3	FAF216	Drug Delivery Design and Technology I	-	-	2
	FAF217	Drug Delivery- Design and Technology I (practicum)	-	2	2
4	KIA214	Pharmaceutical Analysis	-	-	3
	KIA215	Pharmaceutical Analysis (practicum)	-	2	2
5	BIT302	Pharmaceutical Biotechnology	-	-	2
6	KIO208	Preparative Organic Chemistry	-	2	2
7		Elective	2	-	2
<b>Total Course Load in Semester 4</b>		<b>14</b>	<b>1</b>	<b>7</b>	<b>22</b>
<b>ECTS</b>		<b>22,4</b>	<b>1,6</b>	<b>11,2</b>	<b>35,2</b>

No	Courses		Course Load (credits)			
	Code	Name	Lecture	Tutorial	Practicum	Total
1	2	3	5	6	7	8
<b>SEMESTER 5</b>						
1	FAM302	Social Pharmacy	1	-	-	1
2	FAM406	Social Pharmacy (practicum)	-	-	2	2
3	FAT328	Pharmacotherapy II		-	-	2
	FAT329	Pharmacotherapy II Tutorial		1	-	1
4	FAF304	Drug Delivery Design and Technology II		-	-	3
5	FAF305	Drug Delivery-Design and Technology II (practicum)		-	2	2
6	FAB303	Phytochemistry		-	0	2
	FAB306	Phytochemistry (practicum)		-	1	1

7	KIM301	Medicinal Chemistry	2	-	-	2
8	KIM302	Medicinal Chemistry (practicum)	-	-	1	1
9	FAB313	Traditional and Complementary Medicine	1	1	0	2
10		Elective	2	-	-	2
<b>Total Course Load in Semester 5</b>			<b>13</b>	<b>2</b>	<b>6</b>	<b>21</b>
<b>ECTS</b>			<b>20,8</b>	<b>3,2</b>	<b>9,6</b>	<b>33,6</b>

No	Courses		Course Load (credits)			
	Code	Name	Lecture	Tutorial	Practicum	Total
1	2	3	5	6	7	8

#### SEMESTER 6

1	KNF401	Field Application and Practices	-	-	3	3
2	FAM304	Pharmacy Practice II	-	-	2	2
3	FAT331	Pharmacotherapy III	-	-	-	2



	FAT332	Pharmacotherapy III Tutorial		1	-	1
4	FAF306	Drug Delivery2 Design and Technology III		-	-	2
	FAF307	Drug Delivery- Design and Technology III (practicum)		-	2	2
5	FAB304	Phytopharma2 cy		-	-	2
	FAB307	Phytopharma- cy (practicum)		-	1	1
6		Elective	2	-	-	2
<b>Total Course Load in Semester 6</b>			<b>8</b>	<b>1</b>	<b>8</b>	<b>17</b>
<b>ECTS</b>			<b>12,8</b>	<b>1,6</b>	<b>12,8</b>	<b>27,2</b>

<b>No</b>	<b>Courses</b>		<b>Course Load (credits)</b>			
	<b>Code</b>	<b>Name</b>	<b>Lecture</b>	<b>Tutorial</b>	<b>Practicum</b>	<b>Total</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>

## SEMESTER 7

1	PNF498	Research Proposal	1	1	-	2
2	AGI401	Islam II	2	-	-	2
	AGK401	Catholic Religion II				
	AGP401	Protestant Christianity II				
	AGH401	Hindu Religion II				
	AGB401	Buddhism II				
3	FAM406	Pharmacy Practice III	-	2	-	2
4	FAM407	Pharmacy Practice III (practicum )	-	-	2	2
5	FAI401	Pharmaceutical Manufacture		2	-	2
6		Elective	2	-	-	2
<b>Total Course Load in Semester 7</b>			<b>5</b>	<b>5</b>	<b>2</b>	<b>12</b>
<b>ECTS</b>			<b>8</b>	<b>8</b>	<b>3,2</b>	<b>19,2</b>

No	Courses		Course Load (credits)			
	Code	Name	Lecture	Tutorial	Practicum	Total

1	2	3	5	6	7	8
<b>SEMESTER 8</b>						
1	PNF499	Final Project	-	-	6	6
2	MNS412	Pharmaceutic2 al Management		2	-	4
3		Elective	2	-	-	2
<b>Total Course Load in Semester 8</b>			<b>4</b>	<b>2</b>	<b>6</b>	<b>12</b>
<b>ECTS</b>			<b>6,4</b>	<b>3,2</b>	<b>9,6</b>	<b>19,2</b>
<b>TOTAL COURSE LOAD OF BACHELOR DEGREE PROGRAMME (credits)</b>			<b>94</b>	<b>11</b>	<b>39</b>	<b>144</b>
<b>ECTS</b>			<b>150,4</b>	<b>17,6</b>	<b>62,4</b>	<b>230,4</b>

**PROFESSIONAL EDUCATION PROGRAMME – PHARMACY PROFESSIONAL EDUCATION STUDY PROGRAM**

**SEMESTER 9 - SEMESTER 10**

No	Courses		Course Load (credits)			Total
	Code	Block Name	Lecture	Tutorial	Practicum	
1	2	3	4	5	6	7

## Pharmacy Industry

1	FAF502	Quality Management	2	-	-	2
2	MNG501	Production Management	2	-	-	2
3	KLF509	Pharmacist Professional Fieldwork Practice: Pharmaceutical Industry	-	-	8	8
<b>SUB-TOTAL</b>			<b>4</b>	<b>-</b>	<b>8</b>	<b>12</b>

## Hospital Pharmacy

4	FAK501	Applied Pharmacokinetics	2	-	-	2
5	FAT501	Applied Pharmacotherapy	2	-	-	2
6	KLF508	Pharmacist Professional Fieldwork Practice: Hospital Pharmacy	-	-	8	8
<b>SUB-TOTAL</b>			<b>4</b>	<b>-</b>	<b>8</b>	<b>12</b>

## Community Pharmacy

7	FAF501	Specialities for Drugs and Medical Devices	2	-	-	2
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8	AKK503	Accounting	1	-	-	1
9	KLF508	Pharmacist Professional Fieldwork Practice: Community	-	-	8	8
<b>SUB-TOTAL</b>			<b>3</b>	<b>-</b>	<b>8</b>	<b>11</b>
10	KLF512	National Pharmacist Competency Examination	-	<b>2</b>	-	<b>2</b>
<b>TOTAL PROFESSIONAL DEGREE PROGRAMME COURSE LOAD (credits)</b>			<b>11</b>	<b>2</b>	<b>24</b>	<b>37</b>
<b>ECTS</b>			<b>17,6</b>	<b>3,2</b>	<b>38,4</b>	<b>59,2</b>