BACHELOR DEGREE OF PHARMACY STUDY PROGE UNIVERSITAS ISLAM INDONESIA

ACADEMIC HANDELOU

Curriculum 2022

AGULTY OF MATHEMATICS AND NATURAL SCIENCES

Study Program of Statistics
 DEPARTMENT OF PHARMACY
 Undergraduate Program of Pharmacy
 Pharmacist Program

DEPARTMENT OF CHEMISTRY
 Study Program of Chemistry
 Study Program of Chemistry Education
 Diploma Program of Chemical Analysis
 Master Program in Chemistry



ACADEMIC HANDBOOK

Curriculum 2022

CHAPTER I INTRODUCTION

A. A BRIEF HISTORY

Initially held in 1945, the Masjoemi general assembly (Majelis Sjoero Moeslimin Indonesia) was attended by several prominent political figures at the time, including Dr. Mohammad Hatta (First Vice President of Indonesia), Mohammad Natsir, Mr. Mohammad Roem, and KH. Wahid Hasjim. One of the primary decisions made at the meeting was the establishment of the Islamic College (STI) by these prominent figures. STI was then officially founded on July 8, 1945 to coincide with 27 Rajab 1364 H. It gradually grew into a university known as Universitas Islam Indonesia (UII) since November 3, 1947 with a focal goal of upholding the truth of divine revelation as a source of inspiration for science and absolute truth, which serves as *rahmatan lil' alamin*, a blessing for mankind and the universe, as a way to support and uphold the noble and sacred ideals of the Indonesian nation in educating the nation's life in line with the spirit of the formulation of the preamble to the 1945 Constitution.

In the early stage of its inception, UII had four faculties: the Faculty of Religion, the Faculty of Law, the Faculty of Education, and the Faculty of Economics, which began operating in June 1948. About seven months later, the Dutch Military Aggression led to the forced closure of UII campus. Many students and lecturers opted to join the Indonesian army to expel the Dutch. In the early 1950s, shortly after the war, UII had to relocate its learning activities in several places in the city of Yogyakarta. Some lectures were even held in the Yogyakarta Palace and the lecturers' residents as temporary classrooms. Since the early 1990s until today, UII has developed an integrated campus in Sleman Regency, particularly in the northern part of the Special Province of Yogyakarta. Until 2022, UII has run eight faculties, specifically 1 Diploma Three (D3) program, 3 Applied Bachelor Programs, 26 Bachelor Programs (S1), 3 Professional Programs, 13 Master's Programs (S2), and 5 Doctoral Programs (S3), some directorates, agencies, and supporting institutions.

Today, Universitas Islam Indonesia is recognized as one of the leading Private Universities (PTS) in Indonesia, having more than 70% of its Study Programs accredited by BAN-PT or LAMPTKes with Excellent scores or A's. According to the 2022 QS Asian University Rankings, UII was listed among the 500 Best Universities in Asia and currently ranked 22nd as the Best University in Indonesia according to Webometrics (2022).

Throughout the history of its inception, UII as an Islamic higher education institution, has strived to guard the nation's development through its contribution of instilling students with excellent characters on the basis of faith and scientific truth that is universal and objective. Hence, UII is determined to constantly sharpen its creativity and innovation to create and develop science, technology, culture and art, according to the demands of human civilization based on Islamic principles.

B. VISION

Universitas Islam Indonesia comes up with the vision of making Universitas Islam Indonesia as *rahmatan lil'alam*in (mercy for the universe), committed to excellence and Risala Islamiya (Islamic Treatises) in the fields of education, research, community service and da'wah to achieve the level of a world's top university of developed countries.

C. MISSION

To achieve the aforementioned mission, Universitas Islam Indonesia seeks to achieve the following missions: To uphold divine revelation and the sunnah of the Prophet as a source of absolute truth and mercy for the universe, and to support the noble and sacred ideals of the Indonesian nation in educating the nation's life through efforts to build the character of Muslim experts and scholars who are pious, having a strong character, are skilled, having good knowledge, and doing scientific deeds; to develop and disseminate science, technology, art with the spirit of Islam; to build a just and prosperous society and state of the Republic of Indonesia based on Pancasila and the 1945 Constitution which is blessed by Allah SWT; as well as to explore, develop, and disseminate the understanding on Islamic teachings to be lived and practiced by university residents and society at large.

D. CORE VALUES

The core value of Universitas Islam Indonesia is the integration between the value of worship and the value of excellence, which serves as the primary basis in building the vision and mission of Universitas Islam Indonesia.

E. EDUCATIONAL OBJECTIVES

- 1. To form qualified Muslim scholars and national leaders, who contribute to the society, master Islamic knowledge, able to apply Islamic values, and highly competitive;
- 2. To develop and disseminate science, technology, literary culture and art with an Islamic spirit;
- 3. To participate in building a just and prosperous society and the State of the Republic of Indonesia and receive the pleasure of Allah SWT;
- 4. To explore, develop, and disseminate Islamic religious teachings to be understood, internalized and practiced by university residents and the community.

F. INFORMATION ON UII LOGO



The 3 colors of UII logo represents the followings:

- 1. **The blue** refers to assertiveness, or authority, particularly related to UII's authority in producing wise Islamic scholars.
- 2. **The yellow gold** represents hope and a symbol of education. On this basis, UII aims to produce scholars awaited by the nation to carry out and constantly spread knowledge through Islamic education.
- 3. The white color means sincerity, honesty and perseverance.

In other words, UII graduates are projected to remain honest, loyal to their country and nation, as well as diligent and devoted to God Almighty, in accordance with the teachings and ideals of Islam.

The logo of Universitas Islam Indonesia represents the followings:

- 1. The shield symbolizes resistance and defense, indicating that UII will maintain its reputation as one of the universities that produces scholars in accordance with UII's educational objectives.
- 2. The stillated shape in the middle resembling a mosque dome illustrates that Indonesian culture is in line with Islamic teachings.
- 3. Flowers with five crowns can be interpreted as Pancasila, and may also refer to the pillars of Islam.
- 4. The pistil on the flower symbolizes a university with four basic goals (Catur Dharma of the University).
- 5. The trident eye in the form of a pen represents education.
- 6. The stillated middle leaf petals on the book illustrates the Holy Qur'an.
- 7. The lower petals with two supports refer to the two sentences of Shahada (declaration of faith). Thus, the overall symbol in the middle insinuates that UII's goals are based on Islamic teachings and Pancasila. Meanwhile, the pyramid shape of the ship as the door of the mosque under the petals is intended as the color of Islamic culture.

G. THE HYMNE OF UII



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CHAPTER II BACHELOR DEGREE OF PHARMACY STUDY PROGRAM

A. A BRIEF HISTORY



The Bachelor Degree of Pharmacy Study Program (BDPSP) was established in 1998 and is one of the programs under the auspices of the Faculty of Mathematics and Natural Sciences (FMIPA). At the beginning of 2002, it was accredited by the National Accreditation Board for Higher Education (BAN-PT). Given the development and achievement of the program and support from the well-established management system of UII, starting from the odd semester of the 2002/2003 academic year, a new program known as the Pharmacist Professional Program, was opened. This Education Program was established by the support of the Indonesian Pharmacists Association (IAI).

As an experienced university with a strong support of a stable management system, BDPSP constantly grows to keep up with the high demand due to the wide range of career opportunities for alumni to work in the pharmaceutical field, including pharmaceutical entrepreneurship. Since the enactment of the 2018 UII statutes, the Bachelor of Pharmacy and the Pharmacist Professional Program have been managed by the Department of Pharmacy, FMIPA UII. Currently, the Bachelor of Pharmacy has been accredited with commendation of A grade and has been accredited by the Independent Accreditation Institute for Health Higher Education (LAM PT-Kes) as Superior. In addition, since 2021, BDPSP has been internationally accredited by ASIIN (*Akkreditierungsagentur für Studiengänge der Ingenieurwissenschaften, der Informatik, der Naturwissenschaften und der Mathematik*). Since odd semester 2021/2022 BDPSP of UII also establish International Program to facilitate foreign students and expand local students perspective. To respond to the paradigm, shift in health services from the initial orientation of mere production (drug oriented) to the patient-oriented direction related to safe and effective treatment, BDPSP has set its vision to realize a Bachelor of Pharmacy with excellence in the

development of drug preparations derived from natural ingredients and promotion of rational use of drugs.

BDPSP also seeks to foster the advantages of local wisdom in the field of Pharmacy, Science and Technology in the development of utilizable natural ingredients for medical treatment. In order to support the competitiveness of graduates, the program runs the Student-Centered Learning (SCL) as a learning system that employs a wide array of learning methods. The SCL learning system puts more emphasis on independence and active participation of students that play an essential role in the learning process and lab works to support the achievement of learning objectives. This system is well equipped by adequate laboratory facilities to support the teaching and learning process, lab works and researches, as well as community service, and da'wah Islamiyya.

The Pharmaceutical Program also provides students with further facilities, such as a Drug Information Center, a Herbal Medicine Study Center, a Nanopharmacy Research Center and a Drug, Food and Cosmetic Testing Laboratory that has been certified with ISO 17025 by the National Accreditation Committee (KAN) as well as a Mini Teaching Hospital. The program has entered into some fruitful collaborations with domestic and foreign institutions, including with the Halal Science Center Thailand, Rangsit University Thailand, USM, IIUM Malaysia and the University of Rhode Island USA, as well as various health-related institutions that primarily focus on research and community services implementation of higher quality education, research, community services, and da'wah Islamiyya.

B. VISION

BDPSP UII has set the following vision: to realize the bachelor of pharmacy with excellence in the development of drug preparations derived from natural ingredients and the promotion of rational use of drugs.

C. MISSION

BDPSP has determined to achieve the following missions:

- 1. To implement a quality education process in accordance with the demands of national standards to produce competent pharmacy graduates and prospective pharmacists;
- 2. To develop research in the pharmaceutical and medical fields with applicable results to improve the quality of the learning process and contribute to solving pharmaceutical and medical problems in the community;
- 3. To instill the academic community with noble character to form a person who serves as the mercy for the universe (*rahmatan lil'alamin*)

D. OBJECTIVES

The Bachelor Degree of Pharmacy Study Program of UII has set out the following objectives:

- 1. To produce qualified pharmacy graduates and prospective pharmacist as a way to keep up with the demands of national standards and to prepare them for the world of work in various pharmaceutical fields;
- 2. To produce quality scientific works in the field of pharmacy and health to support the improvement of the quality of the educational process and contribute to solving pharmaceutical and medical problems in the community.
- 3. To form a personal characteristic of academic community who has a noble thought as an agent of *rahmatan lil'alamin* (mercy for the universe)

E. QUALITY OBJECTIVES

The quality objectives of the Bachelor Degree of Pharmacy Study Program of UII are as follows:

- 1. To receive international accreditation and or certification of the program;
- 2. To have the enrollment percentage of international students of at least 1%.
- 3. To achieve the average score of the graduate's professional competence of 3.30.
- 4. To achieve the percentage of lecturers' recognition of expertise/achievements at national and international levels of at least 5%.
- 5. To achieve the graduate user satisfaction index of 3.50.
- 6. To achieve 90% of graduates with a standard study period.
- 7. To achieve 75% level of satisfaction of stakeholders with the program facilities.
- 8. The achieve 80% of graduates' employability within three months.
- 9. To cooperate with 500 of the world's best universities, or to implement at least 1 activity per year
- 10. To achieve 10% of lecturers with recognized reputation for their active participation in Islamic da'wah at the national or international level.

F. FACULTY MEMBERS

The following is a list of permanent faculties at the Bachelor Degree of Pharmacy Study Program of UII:

1. Dr. apt. Farida Hayati, S.Si., M.Si.

- 2. apt. Pinus Jumaryatno, S.Si., M.Phil., Ph.D.
- 3. Prof. Dr. apt. Yandi Syukri, S.Si., M.Si.
- 4. apt. Saepudin, S.Si., M.Si., Ph.D.
- 5. Dr. apt. Vitarani Dwi Ananda Ningrum, S.Si., MSi.
- 6. apt. Suci Hanifah, SF., M.Si., PhD.
- 7. Dr. apt. Arba Pramundita Ramadani, S.Farm., M.Sc.
- 8. Dr. apt. Asih Triastuti, SF., M.Pharm.
- 9. apt. Siti Zahliyatul Munawiroh, SF., Ph.D.
- 10. Dr. apt. Lutfi Chabib, S.Farm., M.Sc.
- 11. apt. Annisa Fitria, S.Farm., M.Sc.
- 12. apt. Ari Wibowo, S.Farm., M.Sc.
- 13. apt. Aris Perdana Kusuma, S.Farm., M.Sc.
- 14. apt. Bambang Hernawan Nugroho, S.Farm., M.Sc.
- 15. apt. Dimas Adhi Pradana, S.Farm., M.Sc.
- 16. apt. Diesty Anita Nugraheni, M.Sc.
- 17. apt. Fithria Dyah Ayu Suryanegara, S.Farm., M.Sc.
- 18. apt. Hady Anshory T, S.Si., M.Sc.
- 19. apt. M. Hatta Prabowo, SF., M.Si., Ph.D.
- 20. apt. Mutiara Herawati, M.Sc.
- 21. Dr. apt. Oktavia Indrati,"S.Farm.,M.Sc.
- 22. apt. Okti Ratna Mafruhah, S.Farm., M.Sc.
- 23. Dr. apt. Rochmy Istikharah, S.Farm., M.Sc.
- 24. apt. Chynthia Pradiftha Sari, S.Farm., M.Sc.
- 25. apt. Yosi Febrianti, S.Farm., MSc.
- 26. apt. Yulianto, S.Farm., MPH.
- 27. apt. Sista Werdyani, S.Farm., M. Biotech.
- 28. apt. Arde Toga Nugraha, S.Farm., MSc.
- 29. apt. Cynthia Astiti Puteri, S.Farm., MSc.
- 30. apt. Novi Dwi Rugiarti, S.Si., MSc.
- 31. apt. Ardi Nugroho, S.Farm., MSc.
- 32. Shubhi Mahmashony Harimurti, MA.

CHAPTER III

FACILITIES AND INFRASTRUCTURE

A. LABORATORY FACILITIES

1. LABORATORY STRUCTURE



Laboratory Administrator

: Latifah Nur Hidayati, S.P.

2. LEARNING LABORATORY

a. Pharmaceutical Chemistry Laboratory



Laboratory assistant : Yuliana Safitri, A.Md. :

Laboratory Practices

- 1. Practical on Basic Pharmaceutical Chemistry
- 2. Practical on Pharmaceutical Analysis

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- 3. Practical on Pharmaceutical Dosage Forms Analysis
- 4. Practical on Clinical Chemistry and Molecular Diagnostics

Facilities

Shimadzu U1800 Spectrophotometer, Mini 1240 UV Spectrophotometer, Furnace, Abbe Refractometer, pH meter, Digital analytical balance.

b. Pharmacology Laboratory





Laboratory assistant : drh. Vinanta Dea Zakiyyatul Khusna : Sumarna

Laboratory Practices

- 1. Practical on Pharmacology
- 2. Practical on Pharmacokinetic

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Facilities

Hot plate, Plethysmometer, Rotarod, Centrifuge, Olympus CX 41 Microscope, Vortex, Digital analytical balance, metabolic cage

Supporting Facilities

Preclinical Laboratory for the maintenance and care of experimental animals as well as research sites (such as zebrafish, mice, rats, and rabbits)

c. Pharmaceutical Compounding and Dispensing Laboratory





Laboratory assistant : Putri Novitasari, S.Farm. Laboratory Practices :

- 1. Practical on Pharmaceutical Compounding
- 2. Practical on Pharmaceutical Dispensing

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Facilities

Water bath with shaker, tablet crusher, sealer press of powdered drugs

d. Pharmaceutical Biology Laboratory





Laboratory assistant

: Riyanto, A.Md.

: Yon Haryanto, S.TP.

Laboratory Practices

1. Practical on Medicinal Plants and Simplicia

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- 2. Practical on Pharmacognosy and Traditional Medicine
- 3. Practical on Natural Products Chemistry and Drug Discovery
- 4. Practical on Drug Development from Natural Resources

Facilities

Spray Dryer (Buchi B290), TLC Scanner 3 Camag, Freeze Dryer, Linomat Camag, Rotary Evaporator (regular, advance, and precision), Oven, Digital Analytical Scale, Cabinet Dryer, Distiller, Desiccator, Waterbath, Fume hood, Moisture balance, various Extractions, Electric Microscopes & Olympus.

Supporting facilities

Fungal testing laboratory and Greenhouse with a wide collection of medicinal plants

e. Microbiology Laboratory





Laboratory assistant: Nangim Khasanah, A.Md.Laboratory Practices:

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- 1. Practical on Microbiology and Parasitology
- 2. Practical on Clinical Chemistry and Molecular Diagnostics

Facilities

Laminar Air Low, ELISA Reader, Incubator, Autoclave, Anaerobic Jar, Oven, Digital analytical balance, Scan 500, Stomacher, Diluflow, Microscope, Water Bath, Centrifuge, CO2 Incubator, Liquid nitrogen tube, Deep freezer -800 N

Supporting facilities

Class II biosafety cabinet, Microbial testing room, *Plasmodium* and cancer cell testing room

f. Pharmaceutical Technology Laboratory



Laboratory assistant

: Hartanto

: Angga Kurniawan, A.Md.

Laboratory Practices

- 1. Practical on Physical Pharmacy
- 2. Practical on Preformulation of Dosage Form
- 3. Practical on Formulation and Technology of Dosage Forms 1
- 4. Practical on Formulation and Technology of Dosage Forms 2
- 5. Practical on Pharmaceutical Industry

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Facilities

Biosart 100 membrane filtration Sartorius, Autoclave (25 L & 50 L capacity), Air Lock (ESCO), Granule sieve, Bunsen, Dunoi Ring (Kruss), Coating pan, Conductivity Tester (Mettler/Horiba), Disintegration tester (Erweka), Dissolution tester (Erweka Dt 700), Aquadest Distillation, Footblad Drying, Freeabilator (Erweka), Hardness Tester, Ultra Turrax Homogenizer, Humidity Fire, Caliper, Climatic chamber, compressor, LAF, Melting point, Blister machine, Single Punch Tablet Machine, Microscope, Mixer Granulator, Mixer Stirrer, Oven, Water Bath, pH meter, Sieve shaker, Spectrophotometer, Tap density tester, Electric scale, Thickness tester, Vacuum cleaner, Viscometer, Centrifuge, Vortex, Incubator, Flowability tester, Syringe pump, Ultrasonic homogenizer, Osmometer, Kook mixer, Moisture balance, Shaking water bath.

g. Mini Teaching Hospital Laboratory



Laboratory assistant: apt. Nuraini Yuliawati, S.Farm.Laboratory Practices:

- 1. Practical on Drug Information and Counseling Services
- 2. Practical on Pharmacotherapy 1
- 3. Practical on Pharmacotherapy 2

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4. Practical on Pharmaceutical Supplies Management

Facilities

Pharmaceutical equipment according to clinical service standards, pharmaceutical equipment according to pharmaceutical service standards at pharmacies, Drug Information Service Facilities, Hospital Management Information Systems

h. Drug, Food, and Cosmetic Testing Laboratory (ISO 17025 certified)





: Bibit Cahya Kurnia, S.Si. Laboratory assistant :

Facilities

HPLC Water e2695 (UV/Vis detector 2489 & Fluorescence 2475), Karl Fisher, Ultrasonic, pH meter, Digital analytical balance

i. Research Laboratory



Laboratory assistant : Angga Kurniawan, A.Md. Facilities : Particle Size Analyzer (PSA), UHPLC

B. CENTER FOR STUDY AND DEVELOPMENT OF PROGRAM EXCELLENCE

1. Drug Information Center (PIO)



The UII Pharmacy Drug Information Center (PIO) is an organization in the field of Drug Information Services which is structurally under the Department of Pharmacy with a lecturer who serves as the director of PIO. It was founded on the ground of the current problems in the use of drugs and the urgent need for information on drug use that is accurate, unbiased, up to date, and complete. Another driving factor for the birth of UII Pharmacy PIO is the need to educate prospective pharmacists with reliable practices in the field of Clinical Pharmacy and the community in the face of fierce competition with other globally recognized pharmacy majors. This mission makes it possible to expand the role of pharmacists in the community by providing drug information both passively and actively and in the context of promoting rational use of medicine in the community. UII Pharmacy PIO was officially opened by the Vice Rector III (Ir. Bachnas, M.Sc) on March 16, 2005, at the FTSP Auditorium at 10.00 AM. The event coincided with the implementation of the Studium Generale under the theme "MEDICATION ERROR" delivered by Prof. dr. Iwan Dwi Prahasto. On this basis, PIO UII has officially spread its wings to take part in the provision of drug information services to all circles.



PIO UII is one of the flagship study centers of UII Pharmacy, consisting of 5 divisions namely Media and Information (MEDIATION), Network and Communication (JARKASI) which is now called PR (Public Relations), Observation and Development (OBSBANG) which is now known as RnD (Resource and Development), Education and Training (DIKLAT), and Community Outreach and Service (P2M). Since its inception until today, it has run countless activities, such as health education and free medical treatment. In addition, PIO UII actively participates in events related to the health sector such as health seminars and other activities, such as PIO on The Road "National Health Day Commemoration" and PIO's Corner. To enhance the knowledge of PIO members, the DIKLAT (Education and Training) division held a Cultural Counseling and Journal Exploration work program as well as internal training. PIO UII also disseminates information through radio broadcasts program at Unisi FM known as "Our Medicines, Medicines for All" which is held once a month with a guidance of a pharmacist, apt. Yulianto, M.PH.

2. Center for the Study of Herbal Medicine (PSOH)



Center for the Study of Herbal Medicine (PSOH) is a study center under the Department of Pharmacy, Faculty of Mathematics and Natural Sciences, Universitas Islam Indonesia which focuses on herbal medicinal plants.

This study center was established to achieve the following objectives:

- a. To empower the teaching and learning process of the UII Pharmacy academic community with sustainable and utilizable operation for all students, lecturers, researchers and the public at large who share interest in the advancement and development of the world of medicine, especially in the field of natural products derived from plants/traditional medicines.
- b. To serve as a means of developing and utilizing medicinal plants in the fields of education, research, community service, and Islamic da'wah through the Herbal Medicine Research center.

3. Food and Cosmetic Drug Testing Laboratory (LPOMK)



Laboratory accreditation is one of the best ways to ensure the quality and accuracy of test data and boost the confidence of laboratory practitioners. Laboratory accreditation provides several technical guarantees and the competence of a laboratory to test a product in accordance with ISO (International Organization for Standardization) standards. ISO defines accreditation as a formal acknowledgment of a testing laboratory with the competence to carry out certain tests or special tests. In this case, laboratory accreditation insinuates the laboratory capability of conducting tests with certain testing methods and procedures correctly and accurately. In other words, accreditation guarantees laboratory capabilities within the accredited scope.

LPOMK UII is strongly committed to laboratory development as a way to achieve national and international credibility by highlighting its strengths, including good laboratory equipment, representative testing sites, and adequate human resources. Universitas Islam Indonesia is committed to achieve top-notch and proven quality with the attainment of ISO 9001:2008, its extensive network and the pilot project of UII to achieve the level of a World Class University.

LPOMK UII has a big opportunity to constantly develop, as seen from the aspect of potential customers given the limited testing laboratory that is based on SNI for food and beverages, the growth of the food and beverage market, the high demands of the community regarding the safety of a food and beverage product and the increasingly open marketing opportunities in ASEAN and China. Until now, LPOMK UII has always been committed to conducting sample testing for internal and external parties.

4. Mini Teaching Hospital (MTH)



In order to educate prospective pharmacists to have predetermined competencies, the Pharmaceutical Program of Faculty of Mathematics and Natural Sciences of UII has established a "Mini Teaching Hospital" as a learning facility that trains students both in the cognitive realm of clinical pharmacy and also in the development of affective and psychomotor competencies. Thus far, it is the one and only pharmaceutical program in Indonesia that has complete clinical pharmacy learning facilities in accordance with national competency standards.



Various facilities are available at the UII Mini Teaching Hospital, including the pharmaceutical supply management SIM, which was built and developed by the lecturers of Pharmaceutical Program to train students with both affective knowledge and practical skills using the existing SIM facilities (psychomotor domain). In addition, the program has provided students with drug information service room that is supported by information technology devices and access to adequate sources of literature. Other facilities made available for students are 5 inpatient rooms, monitoring room for drug levels in the blood, preparation room for mixing parenteral and intravenous preparations, room for cytostatic preparations, and counseling rooms for both local and international patients. These state-of the-art facilities are expected to help build the competence of pharmacists graduated from Pharmaceutical Program of UII to achieve global competitiveness.

CHAPTER IV

UNIVERSITY ADMINISTRATIVE PROCEDURES

A. STUDENT REGISTRATION

To remain active in many academic and other activities, at the beginning of each semester, students must register/re-register, with the following procedures:

- 1. Students who were active in the previous semester must pay tuition fee installment I for the odd semester re-registration and tuition fee installment III for the even semester re-registration.
- 2. Students who are seeking to return to UII after an academic leave of absence must meet the following guidelines:
 - a. Applying for a return permit to at the faculty
 - b. Paying tuition fee installment I for registration of odd semesters, and tuition fee installment III for registration of even semesters.

B. SEMESTER ACADEMIC PLAN (RAS)

Following administrative registration, students are required to submit semester academic plan, including those who are focusing to write their thesis. Students must submit the selection of courses in the Semester Academic Plan (RAS) via a computer.

The usual study load of a student approximately ranges from 12 to 24 credits, depending on their previous semester GPA and other provisions related to certain courses. The RAS key-in schedule is determined by the University/Faculty and is listed in the Academic Calendar.

The terms and procedures for filling out the RAS are as follows:

- 1. New student (first semester)
 - a. RAS key-in can be done after final registration of new students
 - b. The RAS key-in is done by the operator of the faculty's academic division
- 2. Second semester students and beyond
 - a. RAS key-in can be done after payment of installment I (odd semesters) or third installment (even semesters).
 - b. Before key-in, students must discuss with their academic supervisor (DPA) and create a course selection design.
 - c. Key-in RAS is done through the UII website (www.gateway.uii.ac.id).
 - d. Key-in must be carried out according to the predetermined schedule.
 - e. RAS changes can be made on the RAS revision key-in schedule.

- 3. Course Credits
 - a. The number of credits for first-semester students (juniors) is determined according to the first semester course package.
 - b. The number of credits for second semester students and after is determined based on the combined matrix of the previous semester's GPA and cumulative GPA (see Figure 4.1).
 - c. Students who seek to return from academic leave and have obtained return permit from the Rector can take the credits based on the number of credits taken in the last semester before leave of absence.
 - d. Students who seek to return from academic leave without permission from the Rector can only take the maximum number of 12 credits.
- 4. Students Participating in Community Service Program
 - a. Students who participate in regular Community Service 1 are not allowed to take courses in the current regular semester.
 - b. Students who participate in regular Community Service 2 are only allowed to take a maximum of 3 courses and are not allowed to take lab practices.
 - c. Students who participate in extended Community Service or Thematic Community Service are allowed to take courses in accordance with the allotted credits including the Community Service credits for a maximum of 16 credits.
 - d. Other provisions related to Community Service are according to the regulations set out by the UII Directorate of Research and Community Service (DPPM).
- 5. The provisions and procedures related to thesis completion for students who are writing their thesis can be seen in the Thesis Guidebook of Pharmaceutical Program.
- 6. Students who have passed the graduation clearance can only take Community Service and Thesis.

Students who do not fulfilled the RAS with selected courses even though they have completed administrative registration/paid tuition fee installments are advised to apply for tuition fees for academic leave and will have their tuition fee payments for first or third installments returned.

C. ACADEMIC SUPERVISOR (DPA)

To accommodate students need for guidance regarding the course selection in each semester or other issues pertaining the smooth running of the academic process, the Pharmaceutical Program has appointed an Academic Advisor (DPA) who is in charge of assisting/directing students in deciding which compulsory and elective courses to be selected before executing the RAS key-in. In addition, DPA also plays a role in selecting thesis title or topic according to the interests and achievements of students, as well as providing students with the solutions for any academic and non-academic problems that can impede the smooth running of their academic attainment. The procedures as well as details for academic guidance by DPA are listed in the Academic Guidance https://bit.ly/academichandbook2022

D. ACADEMIC LEAVE

Academic leave is a period of absence from academic activities for students who are not administratively registered in the semester with the permission of the Rector based on the following conditions:

- 1. Academic leave is only allowed for students who have actively taken 2 (two) semesters in the first year.
- 2. Academic leave is granted to students per semester with the maximum duration of 4 (four) semesters, either consecutively or not.
- 3. Students who take academic leave are exempt from tuition fees and if they seek to return are required to pay administration fees and can take credits according to the last semester's GPA.
- 4. Academic leave procedures and return procedures are determined by the Rector's regulations.
- 5. Students who take academic leave without permission are subject to fixed tuition fees during their leave of absence, which must be paid when they are about to return. These types of students can only take the maximum number of 12 credits.

E. ACADEMIC LEAVE PROCEDURES

- 1. Students seeking an academic leave of absence must apply for an academic leave permit by filling out the form provided by the Faculty with the following attachments:
 - a. Academic leave application letter signed by the Dean.
 - b. Photocopy of Student Identity Card.
 - c. Certificate of Library Clearance from the Central and Faculty Libraries.
 - d. Photocopy of receipt for payment of the last tuition installment in the academic year concerned.
 - e. Receipt of payment of academic leave administration fee from the Bank (original)
 - f. The cumulative Student Results signed by the DPA and the head of the program.
- 2. Students can take an Academic Leave Permit signed by the Vice Rector I no later than 2 days after submitting the leave request.
- 3. Extension of academic leave must include a leave request letter from the Faculty.
- 4. The schedule for submitting academic leave can be seen on the academic calendar.

F. INACTIVE STUDENTS

Inactive students are students who are on leave without the Rector's permission or who do not complete the reregistration. Inactive students are not entitled to:

- 1. Attending the teaching and learning process;
- 2. Participating in student activities;
- 3. Obtaining academic services;

G. STUDENTS RETURNING FROM LEAVE

The procedure for returning from leave is as follows:

- 1. Applications for return permission are submitted according to the re-registration schedule listed in the academic calendar.
- 2. Students who seek to return from academic leave must submit a return application through the Directorate of Academic Services (DLA) by filling out the form provided at DLA and attaching the original Academic Leave permit signed by the Vice Rector I.
- 3. Return Permit can be taken by the student concerned 3 (three) days after the submission of return application.

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Figure 4.1. Matrix for calculating the number of credits to take based on Semester GPA and Cumulative GPA

SEMESTER GPA

CHAPTER V

CURRICULUM OF BACHELOR DEGREE OF PHARMACY STUDY PROGRAM

A. GRADUATE PROFILE

The graduate profile of the Bachelor Degree of Pharmacy Study Program (BDPSP) is determined based on several considerations, including the evaluation of the tracer study results, input from stakeholders, the core values of the university as stipulated in the Statute of Universitas Islam Indonesia, the graduate profile of pharmaceutical program predetermined by the Indonesian Pharmacy Higher Education Association (APTFI), as well as the vision and mission of BDPSP UII. Based on these considerations, the following predetermined statement represents the graduate profile of BDPSP UII:

"BDPSP UII is committed to producing graduates of pharmaceutical program with sufficient capabilities to carry out pharmaceutical work (caregiver) according to their work field supported by a leadership spirit (leader) and qualified communication skills (communicator) as well as a life-long learner and disseminator of knowledge (educator), oriented to problem solving (researcher and decision maker) based on noble character (prophetic spirit and characters) and passion to provide the greatest benefit (entrepreneur) to the wider community (international orientation)."

The noble character to achieve refers to the main noble character of the Prophet Muhammad, which serves as the main spirit of the people in living life and functions as the core values of UII to be translated as prophetic spirit and characters of BDPSP UII graduates as in the followings:

- 1. Siddiq: honesty and integrity in carrying out the work as part of the duty and authority.
- 2. **Amanah**: responsibility, dedication, and discipline in carrying out the work as part of the duty and authority based on a sincere attitude.
- 3. **Fathanah**: being careful and thorough in drawing conclusions and determining actions related to work as part of the duty and authority by prioritizing the principle of win-win solutions and the common good.
- 4. **Tabligh**: Dare to convey the correct and accountable information and ready to provide the best service while still prioritizing etiquette, courtesy, and compassion, and social sensitivity.

For ease of communication, the preformulated graduate profiles of Bachelor Degree of Pharmacy Study Program are abbreviated as PRECISE with the following details described in Table 1. PRECISE stands for the following:

- P : Prophetic spirit and characters
- **R** : Researcher and Life-Long Learner
- E : Entrepreneur
- C : Caregiver
- I : International Orientation
- S : Sensible Leader and Decision Maker
- **E** : Effective health communicator and educator

Table 6.1 Description of the Graduate Profile of Bachelor Degree of Pharmacy Study Program of UII

Graduate Profile	Description
	The graduates are individuals of noble character who follow the perfect
	example of the Prophet Muhammad through honesty and integrity in carrying
	out the work as part of the duty and authority to represent the nature of Siddiq;
	Responsibility, dedication and discipline in carrying out the work as part of the
P rophetic spirit and	duty and authority based on a sincere attitude to represent the nature of
characters	Amanah; Being careful and thorough in drawing conclusions and determining
churacters	actions related to work as part of the duty and authority by prioritizing the
	principle of win-win solutions and the common good to represent the nature of
	Fathanah; and dare to convey correct and accountable information and are
	ready to provide the best service while prioritizing etiquette, as well as
	compassion, and social sensitivity to represent the nature of Tabligh.
	Graduates are able to apply theoretical concepts related to pharmaceutical
B esearcher and Life	science in conducting relevant research in the pharmaceutical and medical
Long Learner	fields and are able to continuously enhance their knowledge and skills capacity
	to support pharmaceutical services and adapt to changes in pharmaceutical
	regulations both at the national and international scope.
	Graduates are able to apply relevant entrepreneurial concepts in the
Entrepreneur	pharmaceutical field based on the spirit of spreading the greatest benefit to the
	community.
	Graduates are able to apply pharmaceutical knowledge and skills to prepare safe
Caregiver	and quality pharmaceutical preparations, provide drug services to patients, and
	solve drug-related problems in accordance with their authority.
	Graduates are able to adopt and implement global policies in carrying out work
International	and services to patients based on openness, firmness to Islamic values, and a
Orientation	passion to provide the widest possible benefit to the people of Indonesia and
	the world.
Sensible Leader and	Graduates are able to apply leadership principles in carrying out pharmaceutical
Decision Maker	work and making decisions based on noble character and responsiveness to
Decision waker	circumstances and the surrounding environment.
Effective Health	Graduates are able to apply the principles of effective communication in
Communicator and	providing services to patients and medical and health related education to the
Educator	wider community

B. GRADUATE LEARNING OUTCOMES (GLO)

The predetermined graduate profile led to the determination of graduate learning outcomes (GLO) as a way to support the achievement of the predetermined graduate profile. The 2020 National Higher Education Standards has demanded that learning outcomes include aspects of attitudes, knowledge, general skills, and special skills. On this basis, the learning outcomes for the curriculum of Bachelor Degree of Pharmacy Study Program UII are prepared to keep up with these demands and are presented in Tables 6.2 to 6.5.

Code	Learning Outcomes	Description					
SIF1	Islamia bahavior	Graduates are able to express faith in God by applying Islamic					
		laws and their universal values in daily life.					
SIF2		Graduates are able to express an inclusive mindset and to engage					
	Inclusive attitudes	in global society while maintaining Islamic and national					
		identities.					
		Graduates are able to carefully and thoroughly apply responsible					
		attitude, dedication, and punctuality based on sincerity, honesty,					
SIF3	Professional ethics	and integrity at work along with bravery in expressing the truth					
		while maintaining politeness, ethics, and affection and					
		promoting mutual benefit.					

Table 6.2 Learning outcomes	on the aspe	ct of attitudes
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Table 6.3 Learning outcomes on knowledge aspect

Code	Learning Outcomes	Description
PEF1	Fundamental	Graduates are able to comprehend the theories, methods, and concepts within the scope of pharmaceutical sciences and technologies in the disciplines of pharmaceutics,
	knowledge	pharmacognosy, pharmaceutical chemistry, pharmacology, pharmacotherapy, social and administrative pharmacy and biomedical sciences as well as their application in pharmaceutical work.
PEF2	Knowledge of pharmaceutical law, ethics and work fields	Graduates are able to comprehend the laws and official regulations related to pharmaceutical practices and services and to understand the scope of pharmacy jobs in various settings within the field of pharmaceutical sciences and services.
PEF3	Knowledge of pharmaceutical law and ethics	Graduates are able to comprehend the theories and applications of drugs and disposable medical supply management by following the concept of drug-management cycle and good pharmacy practice.
PEF4	Integrative thinking	Graduates are able to comprehend the basic principles of integrating Islamic values into pharmaceutical science and practice.

Table 6.4 Learning outcomes on the aspect of general skills

Code	Learning Outcomes	Description
	Leadership,	Graduates are able to manage and perform tasks responsibly and
KUE1	management, human	make decisions based on available data, build communication and
KULI	literacy, and self-	collaboration to contribute positively to teamwork, and do self-
	development	evaluation and development.
		Graduates are able to design and conduct scientific research and
	Research, data	disseminate the results to support the application and development
KUF2	literacy and	of pharmaceutical science, to make decision based on available
	technology	data and valid information, and to keep up updated with
		advancement of technology.
		Graduates are able to apply concept of entrepreneurship in
KUE3	Entrepreneurship and	carrying out work according to the knowledge and skills that have
когз	work safety	been learned by paying attention to work security and safety to
		provide benefits to the community.

Code	Learning Outcomes	Description							
KKF1	Solution orientation	Graduates are able to perform innovative solutions in the workplace.							
KKF2	Diffusive skills	Graduates are able to disseminate expert ideas and innovations in wider society.							
KKF3	Pharmaceutical formulation	Graduates are able to design and formulate drug dosages in accordance with the principles of current Good Manufacturing Process, sharia and quality assurance.							
KKF4	Drug development from natural productGraduates are able to apply the concept of current Good Manufacturing Process for traditional medicine in developing medicinal preparations from natural ingredients by following the principles of quality assurance and sharia.								
KKF5	Quality control and assurance of pharmaceuticals	Graduates are able to apply standardized analytical methods for the quality and halal assurance of drugs and cosmetics.							
KKF6	Drug and disposable medical supplies management	Graduates are able to apply theories and concepts of drug and disposable medical supplies management in accordance with applicable and relevant regulations.							
KKF7	Rational use of drug	Graduates are able to apply concept of rational drug preparation and use in carrying out pharmaceutical care and pharmaceutical services to patients and in providing education of drug usage to the society.							
KKF8	Therapeutic communication and drug information	Graduates are able to apply the concepts of evidence-based medicine and the concept of interpersonal and therapeutic communication in providing drug information and counseling services.							

Table 6.5 Learning outcomes on the aspect of specific skills

C. STUDY LOAD AND COURSE DISTRIBUTION

Learning materials have been developed to achieve the predetermined GLO, based on which the courses are determined in the curriculum of BDPSP UII. From the identification of the study materials needed to fulfill the GLO, the total study load determined for the Bachelor Degree of Pharmacy Study Program (BDPSP) UII is 147 credits, constituting 138 credits of compulsory courses and 9 credits of elective courses distributed in 8 semesters. The distribution of courses in the curriculum of BDPSP UII 2022 is as follows:

No.	Course Code	Course	Credit Weight	Prerequisites
1	UNI101	An In-depth Understanding on the Core Values of Islam (PNDI)*	20 SKP	-
2	UNI102	Quran-based Self Development*	20 SKP	-
3	UNI600	Fundamental of Islamic Studies	2	-
4	UNI603	State Philosophy	2	-
5	UNI604	Civics education	2	
5	UNI606	English for Pharmaceutical Sciences	2	-
6	SFA101	Organic Chemistry	3	-
7	SFA102	Basic Pharmaceutical Chemistry	2	-
8	SFA103	Practical on Basic Pharmaceutical Chemistry	1	-
9	SFA104	Medicinal Plants and Simplicia	2	-
10	SFA105	Practical on Medicinal Plants and Simplicia	1	-
11	SFA106	Pharmaceutical Compounding	2	-
	Numb	er of Semester Credits	19	

No.	Course Code	Subject	Credit Weight	Prerequisites
1	UNI607	Bahasa Indonesia for Academic Communication	2	-
2	UNI607	Islam Ulil Albab	3	Fundamental of Islamic Studies
3	SFA207	Practical on Pharmaceutical Compounding	1	Pharmaceutical Compounding
4	SFA208	Biochemistry	3	Organic Chemistry
5	SFA209	Human Anatomy and Physiology	3	-
6	SFA210	Pharmaceutical Analysis	2	Basic Pharmaceutical Chemistry
7	SFA211	Practical on Pharmaceutical Analysis	1	Basic Pharmaceutical Chemistry
8	SFA212	Pharmacognosy and Traditional Medicine	2	Medicinal Plants and Simplicia
9	SFA213	Practical on Pharmacognosy and Traditional Medicine	1	Medicinal Plants and Simplicia
10	SFA214	Physical Pharmacy	2	Basic Pharmaceutical Chemistry
11	SFA215	Practical on Physical Pharmacy	1	Basic Pharmaceutical Chemistry
Number of Semester Credits			21	

Sem	nester 3			
No.	Course Code	Courses	Credit Weight	1
1	SFA316	Preformulation of Dosage Form	2	Physical Pharmacy
2	SFA317	Clinical Chemistry	1	Biochemistry
3	SFA318	Molecular Biology and Genetics	2	Biochemistry
4	SFA319	Basics Pathology	2	Human Anatomy and Physiology
5	UNI602	Islam as Mercy to the World	3	Islam Ulil Albab
6	SFA320	Pharmacology	3	Biochemistry
7	SFA321	Microbiology and Parasitology	3	Biochemistry
8	SFA322	Practical on Preformulation of Dosage Form	1	Physical Pharmacy
9	SFA323	Practical on Clinical Chemistry and Molecular Diagnostics	3	Biochemistry
	Numb	per of Semester Credits	20	

No.	Course Code	Subject	Credit Weight	Prerequisites
1	SFA424	Fundamental of Pharmacokinetics	3	Pharmacology
2	SFA425	Formulation and Technology of Dosage Forms 1	2	Preformulation of Dosage Form
3	SFA426	Basic Concepts of Therapy	2	Pharmacology
4	SFA427	Immunology	2	Microbiology and Parasitology
5	SFA428	Medicinal Chemistry	2	Pharmacology
6	SFA429	Pharmacy Dispensing	2	Practical on Pharmaceutical Compounding
7	SFA430	Pharmaceutical Dosage Forms Analysis	3	Pharmaceutical Analysis
8	SFA431	Practical on Pharmacology	1	Pharmacology
9	SFA432	Practical on Formulation and Technology of Dosage Forms 1	1	Preformulation of Dosage Form
10	SFA433	Practical on Pharmaceutical Dosage Forms Analysis	1	Practical on Pharmaceutical Analysis
11	SFA434	Practical on Microbiology and Parasitology	1	Microbiology and Parasitology
	Numl	ber of Semester Credits	20	

No.	Course Code	Subject	Credit Weight	Prerequisites
1	SFA535	Applied Pharmacokinetics	2	Basic Pharmacokinetics
2	SFA536	Research Methods and Biostatistics	2	Bahasa Indonesia for Academic Communication
3	SFA537	Formulation and Technology of Dosage Forms 2	2	Formulation and Technology of Dosage Forms 1
2	SFA538	Natural Products Chemistry and Drug Discovery	2	Pharmacognosy and Traditional Medicine
3	SFA539	Pharmacotherapy 1	2	Basic Concepts of Therapy
4	SFA540	Pharmacotherapy 2	2	Basic Concepts of Therapy
5	SFA605	Sharia Entrepreneurship	2	Passing \geq 50 credits
6	SFA541	Health Promotion	2	Basic Concepts of Therapy
7	SFA542	Practical on Pharmacokinetics	1	Basic Pharmacokinetics
8	SFA543	Practical on Pharmacy Dispensing	1	Passing \geq 70 credits
9	SFA544	Practical on Pharmacotherapy 1	1	Basic Concepts of Therapy
10	SFA545	Practical on Natural Products Chemistry and Drug Discovery	1	Practical on Pharmacognosy and Traditional Medicine
11	SFA546	Practical on Formulation and Technology of Dosage Forms 2	1	Practical on Formulation and Technology of Dosage Forms 1
	Numb	per of Semester Credits	21	

No.	Course Code	Subject	Credit Weight	Prerequisites
1	SFA647	Drug Information and Counseling Services	3	Basic Concepts of Therapy
2	SFA648	Practical on Drug Information and Counseling Services	1	Basic Concepts of Therapy
3	SFA649	Pharmaceutical Supplies Management	3	Pharmacy Dispensing
4	SFA650	Drug Development from Natural Resources	2	Natural Material Chemistry and Drug Discovery
5	SFA651	Practical on Drug Development from Natural Resources	1	Practical Chemistry of Natural Materials and Drug Discovery
6	SFA652	Supporting Management	2	Pharmacy Dispensing
7		Elective Course 1	3	
8		Elective Course 2	3	Listed on the next page
9		Elective Course 3	3	
	Number of Semester Credits			

No.	Course Code	Subject	Credit Weight	Prerequisites
1	SFA753	Pharmacotherapy 3	3	Basic Concepts of Therapy
2	SFA754	Pharmacotherapy 4	3	Basic Concepts of Therapy
3	SFA755	Pharmacotherapy 5	3	Basic Concepts of Therapy
4	SFA756	Pharmacy Ethics and Law	2	Pharmacy Dispensing
5	SFA757	Pharmacoeconomics	2	Basic Concepts of Therapy
6	SFA758	Pharmaceutical Industry	2	Formulation and Technology of Dosage Forms 2
7	SFA759	Practical on Pharmaceutical Industry	1	Practical on Formulation and Technology of Dosage Forms 2
8	SFA760	Practical on Pharmacotherapy 2	1	Practical on Pharmacotherapy 1
9	SFA761	Practical on Pharmaceutical Supplies Management	1	Pharmaceutical Supplies Management
10	SFA762	Research Proposal	1	 Research Methods and Biostatistics, with minimum D Passing ≥ 110 credits Cumulative GPA 2.25
	Number of Semester Credits			

No.	Course Code	Subject	Credit Weight	Prerequisites
1	UNI608	Community Service	2	 Sharia Entrepreneurship, with minimum D Passing ≥ 100 credits Cumulative GPA ≥ 2.00
2	UNI609	Final Research Project	5	Passing ≥ 120 credits; when submitting thesis exam, students should have been declared as passing graduation clearance
	Numbe	r of Semester Credits	7	

Elective Courses

No.	Course Code	Subject	Credit Weight	Prerequisites
1	SFA863	Drug and Pharmaceutical Supplies Registration	3	Pharmacology
2	SFA864	Digital Marketing	3	English for Pharmaceutical Science
3	SFA865	Halal Assurance of Pharmaceutical Products	3	Pharmaceutical Dosage Forms Analysis
4	SFA866	Emergency First Aid	3	Basic Concepts of Therapy
5	SFA867	Digital Health Literacy	3	Basic Concepts of Therapy
6	SFA868	Nutrition and Diet Therapy	3	Biochemistry
7	SFA869	Clinical Trials of Herbal Medicine	3	Pharmacology
8	SFA870	Prophetic Medicine	3	Pharmaceutical Compounding
9	SFA871	Natural Cosmetics and Aromatherapy	3	Formulation and Technology of Dosage Forms 2
10	SFA872	Public Speaking	3	Health Promotion
11	SFA873	Pharmaceutical Entrepreneurship	3	Sharia Entrepreneurship
12	SFA874	Health Application Development	3	English for Pharmaceutical Science
13	SFA875	English for Business and Management	3	English for Pharmaceutical Science
14	SFA876	Pharmaceutical Biotechnology	3	Molecular Biology and Genetics
	Number of Credits for Elective Courses			

List of compulsory student activities for the Bachelor of Pharmacy

No.	Activity Code	Activities	SKP Weight	Learning Form
1	UNI660	Islamic Basic Values Training	20	Pesantren-based learning and sustainable ta'lim
2	UNI661	Qur'anic Personal Development Training	20	Pesantren-based learning and sustainable ta'lim
3	UNI662	Career and Self Development Training	5	Islamic boarding school
4	UNI663	Islamic Leadership and Da'wa Training	5	Islamic boarding school
Ν	Number of SKP (Participation Credit Unit)			

No.	Activity Code	Activities	SKP Weight	Learning Form
1	SFA900	Scientific research development workshop	2	Workshop
2	SFA901	English language skills development workshop	2	Workshop
3	SFA902	Pharmaceutical entrepreneurship workshop	2	Workshop
4	SFA903	Mental Health Strengthening Training	1	Training
5	SFA904	Scientific publication workshop	1	Workshop
6	SFA905	Community service with lecturers	2	Community service
N	umber of SKP	(Participation Credit Unit)	10	

List of selected student activities for the Bachelor of Pharmacy

D. INDEPENDENT LEARNING AND INDEPENDENT CAMPUS (ILIC) OF BACHELOR OF PHARMACY

ILIC is the flagship program of the Ministry of Education, Culture, Research, and Technology (Kemendikbudristek) in 2021. One program directly provides students with a beneficial learning process by offering the right to study outside the program. This program requires collaboration between institutions: between universities and between universities and other institutions. One of the driving forces for the establishment of ILIC program is to enrich students with hands-on experiences of reallife problems. The Bachelor of Pharmacy Study Program has started to offer a similar initiative through practical activities in pharmacies, health centers, or hospitals in several courses and Student Community Service (KKN) for such a long time. Therefore, in the 2022 curriculum, BDPSP provides ILIC learning facilities for semester 6 (six) students through a wide range of activities, including Internships/Professional Placement, Research, Humanitarian Projects, Entrepreneurial Activities, Independent Studies/Projects, or other activities according to applicable regulations. Learning partners for the implementation of ILIC involve Educational/Research/Industry/Health Facilities and agencies that meet the criteria set by BDPSP. The 2022 BDPSP curriculum provides opportunities for students to take part in the learning process off campus, both in the form of classroom and non-classroom learning activities for predetermined courses. Students can take some alternative to learning activities in BDPSP as the main ILIC activities, such as non-classroom activities in the form of professional placement or internships that can be carried out in non-college institutions such as:

- ✓ Pharmaceutical and/or medical device ✓ Primary Health Center industry
- ✓ Traditional medicine industry
- ✓ Cosmetics industry
- ✓ Relevant government agencies
- ✓ Hospital

- ✓ Clinic
- ✓ Pharmacy
- ✓ Partner village/hamlet
- √

To facilitate the management of program implementation, learning activities outside the BDPSP in the form of non-classroom learning activities are designed to be offered **only in the 6th semester** with the following general provisions:

- Students plan off-campus learning program (other than the General Compulsory Courses) in the form of a one-semester package with a load of 16-20 credits with assistance from an academic supervisor (DPA) and approval from the Head of the Program.
- Institutions outside the BDPSP as the learning destination must have entered into a collaboration with UII or FMIPA or the Department of Pharmacy, FMIPA UII.
- In carrying out the non-classroom learning process in the form of professional placement or internships, students will be guided by a supervisor appointed by the Head of the Program.
- Courses taken off campus in the form of non-packages are made possible as long as they do not interfere with the overall learning process and are in accordance with the learning plan designated by the DPA and approved by the Head of the Program.
- Further details of the provisions for off-campus learning are regulated through the implementation of technical instructions separated from this academic guidebook.

The following table lists the courses that can be taken off campus and alternative institution to take off-campus learning:

		Where to Take Courses			
No.	Courses	Cross Programs at UII	Same program at other Higher Education Institutions	Non-Higher Education institutions for non- classroom learning activities	
1	Industrial Pharmacy (2 credits)				
2	Practice of Industrial Pharmacy (1 credit)				
3	Development of Medicinal Preparations from				
	Natural Ingredients (2 credits)				
4	Practice of Development of Medicinal				
	Preparations from Natural Ingredients (3				
	credits)				
5	Drug Information and Counseling Services (3				
	credits)				
6	Practice of Drug Information and Counseling				
	Services (1 credit)				
7	Halal Guarantee of Pharmaceutical Products				
	(3 credits)				
8	Pharmaceutical Entrepreneurship (3 credits)	\checkmark			
9	Digital Marketing (3 credits)				
10	Emergency First Aid (3 credits)				
11	Health Application Development (3 credits)				
12	Pharmaceutical Biotechnology (3 credits)				
13	Herbal Medicine Clinical Trial (3 credits)				
14	Prophetic Medicine (3 credits)				
15	Natural Cosmetics and Aromatherapy (3				
	credits)				
16	Drug and Medical Device Registration (3				
	credits)				
17	University Compulsory Courses (MCC)				
18	Thesis proposal (1 credit)				
19	Thesis (5 credits)				
20	Community Service Program (2 credits)				

E. GENERAL PROVISIONS OF THE SEMESTER CREDIT SYSTEM

- The system for organizing the teaching and learning process in the Bachelor Degree of Pharmacy Study Program is carried out using the Semester Credit System (SCS) with reference to Regulation of the Ministry of Education and Culture No 3 of 2020 concerning National Higher Education Standards.
- 2. In the Semester Credit System, students are given the freedom to draw up a study plan by taking into account the courses offered, prerequisite courses and their grade point.
- 3. Semester Credit System (SCS) is an education administration system using credit units to state students' study load, lecturer workload, learning experience, and program implementation load on the basis of semester units equivalent to 16 weeks.
- 4. Credit is a unit that refers to the quantitative load of a course.
- 5. One (1) credit of learning activities or tutorials and the like for students is equivalent to 170 minutes per week per semester with details of fifty (50) minutes of face-to-face learning activities, sixty (60) minutes for doing structured assignments given by the lecturer, and sixty (60) minutes of self-study activities to enrich the material provided by the lecturer
- 6. One (1) credit for laboratory works for students is equivalent to 1 x 170 minutes per week per semester of practical activities and the like.
- Based on the 2022 BDPSP curriculum, the total study load that must be completed by students until graduation is 147 credits consisting of 138 credits of compulsory subjects and 9 credits of elective courses and distributed in 8 (eight) semesters.
- 8. The schedule for lectures, exams, registration, and holidays is listed on the academic calendar which can be accessed on the university and faculty website.
- 9. The flow of course selection in each semester can be seen in the flow of course selection.

F. LECTURE AND LAB WORK

- 1. Lectures and lab works are held every semester for 16 weeks, including evaluation activities for the achievement of Course Learning Outcomes (CLO).
- 2. Face-to-face lectures for every 1 credit are carried out with a duration of 50 minutes per week.
- 3. Practical activities for every 1 credit are carried out with a duration of 1x170 minutes per week.
- 4. To sit an exam, every student must attend 75% of the number of meetings held for lecture activities and must attend 100% of lab works.
- 5. Every student is required to comply with all the applicable provisions for lectures and lab works at Universitas Islam Indonesia.

G. DESIGN OF LEARNING OUTCOME ASSESSMENT

The assessment of the fulfillment of learning outcomes is designed to fulfill several interests, including the interests of BDPSP for continuous improvement of the learning process, the interests of students and graduates for improving the learning process and potential self-development, as well as the interests of graduate users to find out the potential of graduates based on the fulfilment of Graduate Learning Outcomes based on the graduate profile. Learning Outcome Assessment is designed to be carried out at two levels, namely at the subject level in the form of course learning outcomes (CLO) and at the curriculum level in the form of graduate learning outcomes (GLO).

The 2022 BDPSP curriculum was developed with an outcome-based education (OBE) approach. Thus, the learning outcome assessment is adjusted to the characteristics of the learning outcome assessment. In accordance with the aspects of predetermined learning outcomes in the curriculum, the learning outcomes assessment is implemented using the general approach for learning outcomes assessment at the course level/course learning outcomes (CLO) as shown in the following table:

Aspects of course learning outcomes	Assessment Method	Assessment Instrument
Attitude	Observation, assignment	Rubric
Knowledge	Oral exam, written exam, presentation, essay writing	Rubrics, exam questions, assignment sheets
General skills	Written exams, presentations, drafting, report writing, assignment projects, practical exams	Rubrics, exam questions, assignment sheets, portfolios
Special skill	Oral exam, written exam, practical exam, presentation, Project assignment, OSCE (objective structured clinical examination)	Rubrics, exam questions, assignment sheets, portfolios

H. EXAM

1. Mid-Term Examination (UTS) and Final Examination (UAS)

Exams are part of the education system which serves as one of the means to evaluate students' abilities in achieving predetermined learning outcomes. Exam results are quantitatively expressed in the form of scores which are then calculated as a whole into a grade point average (GPA). The GPA measurement is carried at the end of each semester and results in semester GPA, while the cumulative GPA is the student's GPA at a certain time, starting from the first semester to the last semester taken.

Semester GPA = $\frac{\sum[(scs \ subjects)x \ (weight)] \ of \ the \ semester}{\sum(scs \ subjects) \ of \ the \ semester}$

Cumulative GPA = $\frac{\sum[(scs \ subjects)x \ (weight)] \ of \ total \ semester}{\sum(scs \ subjects) \ of \ taken \ semester}$

Regular course exams (other than thesis and thesis proposal exams, Community Service, and Lab Works) are carried out in the form of scheduled written exams, namely the Mid-Semester Examination (UTS) and the Final Semester Examination (UAS). In addition, the evaluation component of Course Learning Outcomes (CLO) also refers to structured assignments, quizzes, portfolios, and other components according to the predetermined CLO characteristics of the course.

2. Implementation of Exams and Assessment of Learning Outcomes

a. To sit a Mid-Term Exam and Final Exam, students must meet the following requirements:

- 1) Paying the second installment of tuition fees for odd semesters and the fourth installments for even semesters;
- 2) Taking an exam card at the academic administration section of the faculty;
- 3) Validating the examination card at the academic administration section of the faculty by showing proof of payment of tuition fees;
- 4) Final Exam participation is only intended for students with a minimum attendance rate of 75%. If they do not meet these criteria, the student will be given a final grade of F and will not be allowed to take part in remediation. Students who want to retake the course need to key-in the course again in the following semester when the particular course is offered.
- b. Structured assignments to students can be in the form of a portfolio, case analysis, review/study of an article/news, paper or other forms of student performance determined by the lecturer based on CLO, learning materials, and course characteristics.
- c. Structured assignments that have been completed by students will receive corrective feedback from the lecturer.

- d. Lecturers can add other assessment components such as observations on the number of attendances, students' discipline, as well as students' active participation and cooperation in the teaching and learning process in accordance with the established CLO.
- e. During the Mid-Term Examination (UTS) and Final Examination (UAS) students are required to comply with all applicable regulations, including arriving 10 minutes before the exam, bringing participant identification cards, and being prohibited from committing fraudulent actions and other stipulated provisions.
- f. Students' Results (KHS) is an academic document that informs students' record of learning activities in a certain semester which includes the number of courses taken, number of credits, course scores, and grade point average.
- g. Learning outcomes assessment is stated in the form of letters, each of which is equivalent with the following grades:

A = 4.00	B = 3.00	C = 2.00	D = 1.,00
A- = 3.75	B- = 2.75	C- = 1.75	E = 0
A/B = 3.50	B/C = 2.50	C/D = 1.50	
B + = 3.25	C+ = 2.25	D+ = 1.25	

h. The final score criteria are as follows:

А	80.00 - 100	C+	62.50 - 64.99
A-	77.50 - 79.99	С	60.00 - 62.49
A/B	75.00 - 77.49	C-	55.00 - 55.99
B+	72.50 - 74.99	C/D	50.00 - 54.99
В	70.00 - 72.49	D+	45.00 - 49.99
B-	67.50 - 69.99	D	40.00 - 44.99
B/C	65.00 - 67.49	Е	< 40.00

I. THESIS (FINAL PROJECT)

Thesis is a scientific paper that must be completed by students as one of the graduation requirements in completing their studies to obtain a bachelor's degree. Completion of the final project in the structure of the 2022 BDPSP curriculum is divided into 2 (two) courses, namely Thesis Proposal (1 credit, semester 7) and Thesis (5 credits, semester 8). Both can be taken in the same semester when meet the conditions set out as stated in the curriculum structure table. Thesis manuscript is prepared based on the results of a research carried out both in the laboratory and outside the laboratory, such as in pharmacies, health centers, hospitals, or the community. Apart from a research-based thesis, students are allowed to write a literature review for their final project. The guidelines and regulations for the implementation of the final project are listed in the SIM-TA (Final Project Management Information System) and the Final Project Handbook which can be accessed on the following website link: https://bit.ly/panduanakademikfarmasi . All processes related to proposals and theses are carried out

through SIM-TA (Final Project Management Information System).

The following are general matters relating to the implementation and preparation of the thesis:

- Students can take thesis proposal courses and sit proposal exams if they meet the specified requirements (having passed Research Methods and Biostatistics courses, having taken 110 credits, having the minimum GPA of 2.25).
- 2. Students who will prepare a thesis proposal are required to submit a thesis title through SIM-TA and pay the thesis supervision fee according to the provisions.
- 3. Students can choose a thesis supervisor after discussing and obtaining the approval of the academic supervisor (DPA) based on the information contained in the SIM-TA.
- 4. The title of the thesis and the proposed supervisor will be discussed in the meeting of the faculty council to determine whether the proposed title and lecturer can be approved or still need improvement.
- 5. Students whose thesis titles have been approved can proceed with the preparation of thesis proposals and carry out thesis proposal seminars.
- 6. Students are required to submit the Original CEPT Certificate with minimum score of 422 (Scan) **prior to thesis examination**)
- 7. Students who cannot submit the thesis within 6 (six) months since their proposal seminar must request an extension to the thesis submission date to the head of the program with the approval of the thesis supervisor.
- 8. Upon the approval of extension to the thesis submission date, the student is required to pay an extension fee to the thesis submission date (> 9 months).
- 9. Students who are unable to organize the thesis examination after 12 (twelve) months from the implementation of the seminar proposal are required to submit a new thesis title with the initial registration procedure.
- 10. Students are prohibited from committing plagiarism or other ethical violations in completing their final project.

J. EVALUATION OF STUDY RESULTS

In accordance with the Regulation of Universitas Islam Indonesia Number 2 of 2017 concerning the Education and Learning Process within Universitas Islam Indonesia, the evaluation of learning outcomes includes:

1. Course Evaluation

The course evaluation is carried out as a form of reflection by the lecturers regarding the fulfillment of students' learning outcomes in each course. At the end of each semester, the program submits the results of the fulfillment of student learning outcomes (grades for practical courses). Each lecturer evaluates and reflects on these results and prepares a plan for improvement efforts, as a way to plan for the better learning process in the upcoming period. This plan is documented through the SAR (Self-Assessment Report) form to be reported to the Head of the Program. This effort is done as one of the strategies to improve the achievement of the BDPSP quality objectives related to the percentage of students who graduate according to the standard study period.

2. Final Semester Learning Evaluation

This evaluation is conducted to determine the progress of students learning outcomes and the fulfillment of student learning outcomes in each semester. This evaluation is carried out by the Program and Academic Advisory Lecturer (DPA). The Program with DPA conducts evaluation and academic guidance, especially for students with a GPA of less than 2.50, while students with a GPA of 2.50, according to the Academic Guidance Guidelines, are handled by the DPA. The results of this evaluation are presented through academic hearing facilitated by the Program and also in the form of academic guidance before key-In. This evaluation is expected to provide students with better direction and guidance on learning strategies to improve their study period and grade point average.

3. Mid-Study Evaluation

This evaluation is carried out on students' learning outcomes during the first 4 (four) semesters, as a basis for determining the eligibility of students to continue their studies in the Pharmaceutical Program. Some criteria are determined to fulfill the minimum number of credits from the best score with a minimum Grade Point Average (GPA), which is a minimum of 40 (forty) best credits with a minimum GPA of 2.00 (two point zero zero). Students' eligibility is determined in stages through a monitoring process as well as direction and guidance starting at the end of each semester in the form of an academic explanation and the end of semester 2 (Please look at the **Procedures for Expulsion**).

4. Evaluation at the End of the Study

This evaluation is intended to determine the fulfillment of all graduate learning outcomes and/or the fulfillment of graduation requirements set by the University and the Program to determine student graduation. This evaluation is carried out through a final graduation activity involving all lecturers of the pharmacy department using the UIIGateway facility. Students can be declared to have passed the final graduation of study in accordance with the predetermined provisions.

5. Evaluation of the End of Study Period

This evaluation is carried out to evaluate the study period and academic achievement of students at the maximum study period of 14 semesters. This maximum study period is determined in stages through a process of monitoring as well as direction and guidance starting at the end of each semester in the form of an academic explanation and starting at the end of semester 11 by delivering Warning Letter 1 to students and parents/guardians, Warning Letter 2 and Warning Letter 3 in semester 12 and semester 13, respectively (Please see **Procedures for Expulsion**).

Students who are **unable** to complete their studies in the Pharmaceutical Program are grouped in the status of "resigned" and "expelled" with the following provisions:

1. Resign

A student is declared to have resigned if the student: states his/her resignation in writing; declare the transfer in writing; die; inactive in the second semester of the first year for new students; inactive without written permission from the Rector for 2 (two) consecutive semesters; or inactive for more than 4 (four) semesters with written permission from the Rector or without the Rector's permission. Students who are categorized as inactive when they are not registered in a certain semester without the Rector's permission, can be given a Certificate of Resignation by the Rector.

2. Expelled

Students are declared expelled if they do not pass the mid-study evaluation or the end-ofstudy evaluation. Students are declared not to have passed the mid-term evaluation if they do not meet the minimum 40 best credits with a minimum GPA of 2.00 while the maximum study period limit for undergraduate students is 14 semesters.

K. RESIGNATION PROCEDURE

- 1. The study program identifies students who fulfill the status of resignation due to the following provisions:
 - a. inactive in the second semester of the first year for new students;
 - b. inactive without written permission from the Rector for 2 (two) consecutive semesters;
 - c. inactive for more than 4 (four) semesters with or without written permission from the Rector;
- 2. Students who fall into category no 1, are submitted by the study program to the Faculty Senate Meeting through the Dean for resignation approval.
- 3. Upon the resignation approval by the Faculty Senate, the Dean will submit a Certificate of Resignation to the Rector to declare the student status at UIIGateway as "Resigned".

L. EXPULSION PROCEDURE

- The study program identifies students with potential expulsion status because they do not meet the requirements to pass in the mid-term evaluation or evaluation of the end of the study period and take the following actions:
 - a. Provide academic explanations both classically and individually to students with GPA of less than < 2.50 at the end of each semester and furthermore, students with this category will be given intensive direction and guidance
 - b. The parents/guardian of students with a GPA of less than < 2.00 at the end of semester 2 and a GPA of less than < 2.50 at the end of semester 11 will receive the First Warning Letter and the students of this category will be given intensive direction and guidance.
 - c. The Second Warning Letter will be sent to the parents/guardians of students with a GPA of less than < 2.00 at the end of semester 3 and a GPA of less than < 2.50 at the end of semester 12. Intensive direction and guidance are provided to students with this special category.
 - d. The Third Warning Letter will be sent to the parents/guardians of students with a GPA of less than < 2.00 at the end of semester 3 and a GPA of less than < 2.50 at the end of semester 13. Intensive direction and guidance are provided to students with this special category.</p>
- 2. The Head of the Program will submit the name of students with a GPA of less than < 2.00 at the end of semester 4 (with 40 best credits) and a GPA of less than < 2.50 at the end of semester 14 to the faculty senate through the Dean for approval to determine the status of being "Expelled". Upon the expulsion approval by the Faculty Senate, the Dean will submit a Certificate of Issue to the Rector to declare the student status at Gateway as "Expelled"</p>

IDENTIFICATION AND HANDLING PROCEDURES FOR STUDENTS' EXPULSION

Mid-Study Evaluation



IDENTIFICATION AND HANDLING PROCEDURES FOR STUDENTS' EXPULSION

Evaluation of End of Study Period



M. GRADUATION CLEARANCE

Graduation clearance is the main requirement to be met by students who will sit a thesis exam. A student can be declared to have passed the graduation clearance when he has fulfilled the following conditions:

- 1. Having completed all study loads other than Community Services and Thesis (minimum 140 credits)
- 2. Having a GPA of at least 2.50
- 3. Passing all compulsory student activities (PNDI, PDQ, BTAQ and PKD)
- 4. Passing with a minimum grade of C for all University Compulsory Courses
- 5. Passing with a minimum grade of C for all Practicals
- 6. Passing with a minimum grade of C for the Main Course Supporting GLO aspects of special skills, namely:
 - a. Pharmaceutical Compounding
 - b. Pharmacy Dispensing
 - c. Pharmacy Ethics and Law
 - d. Applied Pharmacokinetics
 - e. Drug Development from Natural Resources
 - f. Pharmacotherapy 1
 - g. Pharmacotherapy 2
 - h. Pharmacotherapy 3
 - i. Pharmacotherapy 4
 - j. Pharmacotherapy 5
 - k. Pharmaceutical Industry
 - 1. Pharmaceutical Supplies Management
- 7. Not having D grade for more than 5 (five) courses
- 8. Not having E Grade

N. FINAL GRADUATION OF STUDY

The final graduation of study is the final stage to determine the graduation of a student in completing his undergraduate studies in the Bachelor of Pharmacy. Students can be declared to have passed the final graduation with the main condition that they have completed the thesis and Community Service exams with a minimum score of B for each and a GPA of at least 2.50. In addition to the main requirements, students must meet the requirements and fulfill the following documents:

- Certificate of Thesis Submission to Supervisor (Softfile) download link is at GF Final Yudisium (<u>http://bit.ly/surat-keterangan-penyerahan-skripsi</u>)
- 2. Original CEPT Certificate with a minimum score of 422 (Scan, fulfilled maximum prior to the thesis exam)
- 3. High school certificate, birth certificate, and ID card and family card (scanned)
- 4. Softfile (pdf) of Cumulative which has been signed by DPA and Head of Study Program
- 5. Proof of library clearance from the Central Library (scan)
- 6. Proof of Laboratory clearance from the Laboratory of Pharmacy Study Program (scan)
- 7. One (1) pdf containing the final version of Cover, Intisari, and Abstract
- 8. Plagiarism-Free Softfile (Maximum 20%)
- 9. Upload Proof of Payment for Thesis Exam and Donation
- 10. Proof of submission of the final project to the Central Library in the form of a soft copy in the form of a PDF file.

O. CLOSING

The origin of knowledge is the fear of Allah ta'ala

(Imam Ahmad bin Hambal rahimahullah)