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**MASTER IN CLINICAL PHARMACY  
FACULTY OF PHARMACY  
UNIVERSITAS GADJAH MADA  
2023**

## FORMAL SPECIFICATION

Name of the program (Original Language)	Magister Farmasi Klinik
Name of the program (English Translation)	Master in Clinical Pharmacy
Final Degree	M.Clin.Pharm
Standard period of study	2 (two) years
Credit points (according to ECTS)	104.1 ECTS
Program start date within the academic year (first time)	1 August
Intake rhythm	1 (once) a year
Expected intake number of students	40 students/intake
Amount and type of fees (in EUR)	1017.03 EUR/semester
Faculty	Pharmacy
Official contact person for publication on the web	prodi-mfk.farmasi@ugm.ac.id
Telephone/Fax	(0274) 546857
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Website of Faculty (English Version)	<a href="https://farmasi.ugm.ac.id/en/home">https://farmasi.ugm.ac.id/en/home</a>
Website of Study Program (English Version)	<a href="https://mfk.farmasi.ugm.ac.id/home">https://mfk.farmasi.ugm.ac.id/home</a>
Accreditation and certification	LAM-PTKes and ASIIN

## **PROGRAM EDUCATIONAL OBJECTIVES**

The Program Educational Objectives is to produce clinical pharmacist graduates who are:

1. Professional in services and education, based on research evidence and/or development of the latest sciences.
2. Able to practice interprofessional collaboration with other health professionals or other workers involved in health services and have leadership qualification.
3. Able to arrange approaches in solving various health problems nationally and globally, specifically in geriatric population, through evidence based.
4. Able to pursue higher education formally or informally.

# **PROGRAM LEARNING OUTCOMES**

## **1. Attitude**

- 1.1. Demonstrate Pancasila values and awareness of the nation and state interest
- 1.2. Demonstrate honesty, responsibility, confidence, emotional maturity, ethics, and awareness of being a lifelong learner

## **2. Mastery of Knowledge**

- 2.1. Able to synthesize the theories of pathophysiology, pharmacokinetics and pharmacodynamics of drugs, pharmacotherapy and evidence - based medicine as well as the principles of preparing parenteral nutrition formulas and mixing intravenous drugs to solve drug-related problems.
- 2.2. Mastering the theory and application of research in the field of clinical pharmacy, the concept of plagiarism, the principle of legality, social aspects, science and technology that underlie the application of research results for pharmaceutical services to the community.

## **3. General Skills**

- 3.1. Able to apply logical, critical, systematic, and innovative thinking by utilizing information technology to produce solutions according to the field of expertise with integrity that are realized in scientific documents.
- 3.2. Able to develop networks, adapt, create, contribute, supervise, evaluate and make decisions in order to demonstrate independent and group performance to apply science to community life.

## **4. Specific Skills**

- 4.1. Able to solve problems related to drugs in advanced clinical pharmacy services based on scientific evidence and/or the latest scientific developments through effective communication and inter or multidisciplinary approaches.
- 4.2. Able to deepen or expand advanced clinical pharmaceutical sciences for the development and application of research for the advancement of pharmaceutical science and clinical pharmaceutical services to the community.