



UBAYA

Study Programs

The Master of Clinical Pharmacy Study Program of the University of Surabaya includes common core courses in Pharmaceutical Sciences and track-specific core courses, and a Master's thesis. The common core courses cover a variety of topics that must be followed by all master students. The track-specific courses cover a variety of more specific topics for master students in the concentration of Clinical Pharmacy.

Delivery Methods

Master of Clinical Pharmacy of The University of Surabaya delivers hard skill and interpersonal skill in balance. The well-developed interpersonal capabilities are regarded extremely important besides knowledge, therefore we use mode of delivery such as class lecture, tutorials, individual and group problem-based learning, class and group discussion, practical work in medical centers/hospitals and clinics, presentation, and final project/thesis/internship. The course will be delivered by scholars and experts from Ubaya, expert health practitioners and Clinical Pharmacists from hospitals, and Regulatory Affairs.

Information

Fakultas Farmasi Universitas Surabaya

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Magister Farmasi Klinis

Program Pascasarjana (Strata 2) Fakultas Farmasi
Universitas Surabaya

Introduction

Master of Clinical Pharmacy of The University of Surabaya is a Postgraduate Program development in response to the need for expertise in Clinical Pharmacy that work directly with medical doctors, other health professionals, and patients to ensure that the medications prescribed for patients contribute to the best possible health outcomes. The Ubya Master of Clinical Pharmacy program developed with the aim to prepare graduate to work in health care environments, such as hospitals and their affiliated outpatient, clinics, emergency departements, community pharmacies, medical doctors offices, community-based clinics, nursing homes, and managed care organizations.

The Ubya Master of Clinical Pharmacy program established in 2005 and recently graduated more than 80 Clinical Pharmacists. The academic activity conducted in 1.5 to 2 years that covers lectures, tutorials, inter proffeional discussions, seminars, practical activities, work experiences in hospital, written tests, oral tests, proposal and thesis examination also bedside examination. The participants of Master of Clinical Pharmacy Program should be the Bachelor in Pharmacy, completed Pharmacy professional program and licensed as Pharmacist (Apt).

Vision

- ◆ *To be world-wide recognized excellent clinical pharmacy graduate school.*

Mission

- ◆ To provide advance knowledge and skills in clinical pharmacy.
To produce competent, skillful and advanced clinical pharmacy graduates.
- ◆ To graduates, who have the ability to communicate and cooperate effectively with other healthcare professionals as well as the patients.
- ◆ To produce professional and competent clinical pharmacy graduates that can satisfy the needs for good pharmacy practices in hospital and community pharmacy.
- ◆ To promote rational drug therapy and to respect the patient's choice
- ◆ To strengthen national and international cooperation related to consultancy, development, innovation and collaboration.



STRUKTUR PROGRAM

Magister Farmasi Klinis

Semester 1

Mata Kuliah		Sks
961411	Eksperimental Design and Statistics	2
961441	Novel Drug Delivery and Drug Targeting	2
961421	Evidenced-base medicine	2
961431	Pharmacoeconomy and Pharmacoepidemiologi	2
961212	Pathophysiology and Management of Cardiovascular Disease	3
961222	Pathophysiology and Management of Respiratory Disease	2
961232	Pathophysiology and Management of Tropical Disease and Special Condition	2
961413	Applied Pharmacy Practices I	1
Total		16

Semester 2

Mata Kuliah		Sks
962411	Pharmacokinetik and Pharmacodynamic	2
962212	Pathophysiologi and Management of Endocrine System	2
962222	Pathophysiologi and Management of Gastro Interstinal Disease	2
962232	Pathophysiologi and Management of Musculoskeletal Disease	2
962242	Pathophysiologi and Management of Neurology Disease and Psychiatric	2
962252	Pathophysiologi and Management of Renal and Liver Disease	3
962211	Social Pharmacy and Patient-Base Care Concept	2
962413	Applied Pharmacy Practices II	1
Total		16

Semester 3

Mata Kuliah		Sks
963011	Pathophysiologi and Management of Infectious Diseases	2
963512	Drugs for Surgery and iv Admixture	1
963031	Applied Pharmacy Practices III	2
963113	Proposal Thesis	2
Total		7

Semester 4

Mata Kuliah		Sks
964113	Thesis	6
Total		6

Total Program 45



Study Programs

The Master of Industrial Pharmacy Study Program of the University of Surabaya includes common core courses in Pharmaceutical Sciences and track-specific core courses, elective course, and a Master's thesis. The common core courses cover a variety of topics that must be followed by all master students. The track-specific courses cover a variety of more specific topics for master students in the concentration of Industrial Pharmacy. While the elective courses allow students to choose their own specialization in the field of Pharmaceutical Products, Cosmetic Products, or Natural/herbal Products.

Concentration

Industrial Pharmacy Sub Concentration:

1. Pharmaceutical Products
2. Cosmetic Products
3. Natural/herbal Products

Information

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UBAYA
UNIVERSITAS SURABAYA



Magister Farmasi Industri

Program Pascasarjana (Strata 2) Fakultas Farmasi
Universitas Surabaya

Introduction

Master of Industrial Pharmacy of The University of Surabaya is an international Postgraduate Program developed in response to the need for expertise in pharmaceutical industry, research and regulatory affairs. Considering about 90% prescription in Europe as well as in the U.S. are generics and currently none of the Pharmaceutical Industries in Indonesia as well as South-East Asia have-developed new chemical entities (NCE), we therefore develop this Master program with the aim to prepare graduates to work in the development and production at dosage forms and able to carry responsibility for the quality of the products in a challenging pharmaceutical industry.

The program developed in collaboration between the University of Surabaya (Ubaya). Surabaya, Indonesia and the University of Groningen, Groningen, The Netherlands. It is also developed in partnership within the Pharmaceutical Industries, The National Agency of Drug and Food Control, and the Ministry of the Health of the Repub-

Vision

to be the world-wide recognized excellent pharmacy graduate school

Mission

1. To provide advance knowledge and skills in the field of Industrial pharmacy.
2. To produce graduates who are able to integrate and develop knowledge and skills in the development and production of drug products.
3. To produce graduates who are able to carry responsibility for quality of the (intermediate) products.
4. To produce graduates who are able to interpet and presenting data obtained from experimental work.
5. To strengthen national and international cooperation related to research and technology, drug product development and inovation.

Delivery Methods

Master of Industrial Pharmacy of The University of Surabaya delivers hard skill and interpersonal skill in balance. The well-developed interpersonal capabilities are regarded extremely important besides knowledge, therefore we use mode of delivery such as class lecture, tutorials, individual and group problem-based learning, class and group discussion, presentation, and final project/thesis/internship. The course will be delivered by scholars and experts from Ubaya, University of Groningen, pharmaceutical Industries, and Regulatory Affairs. There will be also visiting Professors from several University partners in Asia, United State and Europe that will share their experience and expertise to enrich knowledge of students.



STRUKTUR PROGRAM

Magister Farmasi Industri

Semester 1

Mata Kuliah	Sks
961411 Eksperimental Design and Statistics	2
English for Scientific Communication	0
961441 Novel Drug Delivery and Drug Targeting	2
961421 Evidenced-base medicine	2
961431 Pharmacoeconomy and Pharmacoepidemiology	2
Elective Course:	2
961632 Pharmaceutical Microbiology and Sterilization	
961642 Pharmaceutical Product Development	
961652 Particel Science and Powder Technology	
961612 Cosmetic Science and Technology	
961622 Natural Products Technology	
961312 Facility Design and Project Management	3
961322 Pharmaceutical Regulation	3
961413 Placement in Pharmaceutical Industry I	1
Total	17

Semester 2

Mata Kuliah	Sks
962411 Pharmacokinetik and Pharmacodynamic	2
962312 Pharmaceutical Quality Management	3
962322 Pharmaceutical Manufacturing and Operations Management	3
962322 Physicochemical Aspects Related to Dosage Form Development	3
Elective Course:	3
962622 Techniques in Pharmaceutical Technology	
962632 Problem Solving on Production (upscaling) and Technology	
962612 Cosmetic Product Development	
962432 Placement in Pharmaceutical Industry II	1
Total	15

Semester 3

Mata Kuliah	Sks
963321 Analytical Development and Biopharmaceutical analysis	3
963413 Placement in Pharmaceutical Industry III	2
963113 Proposal Thesis	2
Total	7

Semester 4

Mata Kuliah	Sks
964113 Thesis	6
Total	6
Total Program	43