

Module Handbook

Module Name :	Pharmaceutical Preparation Manufacture I
Module Level :	Bachelor
Abbreviation, if applicable :	FAI305
Sub-heading, if applicable :	
Courses included in the module, if applicable :	
Semester / term :	1 / Fourth year
Module coordinator(s) :	Dr. Aty Widyawaruyanti, M.Si
Lecturer(s):	Dr.rer.nat. Mulja Hadi Santosa
	Drs. Herra Studiawan, MS.
	Prof. Dr. Sukardiman H., MS
	Drs. Abdul Rahman, MSi
	Prof. Dr. Bambang Prayogo EW. MS
	Dr. Wiwied Ekasari, M.Si.
	Prof. Dr. Hj. Mangestuti Agil, MS
	Dr. Idha Kusumawati, S.Si., MSi
	Dra. Rakhmawati, MSi
	Dr. Achmad Fuad H., MS
	Prof. Dr. Siswando, MS.
	Dr. Aty Widyawaruyanti, M.Si
	Suciati, S.Si, M.Phil., Ph.D
	Neny Purwitasari, S.Farm., MSc
	Tutik Sri Wahyuni, S.Si.,MSi.
	Lusiana Arifianti, S.Farm., MFarm.
	Rice Disi Oktarina, S.Farm
	Drs. Hadi Poerwono, MSc., Ph.D.
	Dra. Suzana, MSi.
	Dra. Nuzul Wahyuning D., MSi.
	Dr. Juni Ekowati, MSi.
Language :	Bahasa Indonesia
Classification within the curriculum :	Compulsory Course / Elective Studies
Teaching format / class hours per week during the semester :	100 minutes lectures, 13 lecture classes/semester
Workload	Total 22 hours in a semester
Cedit Points :	1
Requirements :	
Learning goals/competencies :	<p>Knowledge</p> <ul style="list-style-type: none"> - To be able to solve relevant problems in natural medicine by starting from the development into the treatment. <p>Skills</p> <ul style="list-style-type: none"> - Critical thinking, comprehensive dan scientifically valid - academic. - To understand how to get primary information by active learning. - To discuss in making scientifically decisions - academic.

	<p>Competence</p> <ul style="list-style-type: none"> - To be able to make dosage forms, traditional drugs, cosmetics in accordance with the requirements of the process and good pharmaceutical products.
Content :	To explain the medicinal plants as potential areas, to design applied methods for extraction and isolation of substances in medicinal plants, to describe the physico-chemical characteristic of substances in medicinal plants as the basic for development prospects, to arrange the strategy of combinatorial chemical process to another prospective and competitive products, to analyze the value of synthesized products in pharmaceutical aspects, to arrange the specification data product for its quality
Study/exam achievements :	<p>Student are considered to be competent and pass based on ;</p> <p>The presence in lectures ; the attendance in plenary seminar ; the group ability to access some information ; the group ability to learn in active discussion ;</p> <p>The manuscript of group report ; manuscript of the group presentation ;</p> <p>Midterm exam (UTS); Final exam (UAS)</p> <p>Final index is defined as follow :</p> <p>A : ≥ 75 AB : 70 – 74,9 B : 65 – 69,9 BC : 60 – 64,9 C : 55 – 59,9 D : 40 – 54,9 E : <40</p>
Forms of Media :	LCD, White Board, Reading Assignment and Discussion.
Literature :	<ol style="list-style-type: none"> 1. Harbone, 1973, <i>Phytochemical Methods, A Guide to Modern Technique of Plants Analysis</i>, Chapman and Hill, London, Topan Comp. Ltd, Tokyo, Japan. 2. Ariens EJ. Ed. 1971, <i>Drug Design</i>. Vol. I. New York: Academic Press.
Notes	The course use <i>Problem Based Learning</i> (PBL) method which is able to practice communication skills.