

Module Handbook

Module Name:	Organic Chemistry I
Module Level:	Bachelor
Abbreviation, if applicable:	KIO201
Sub-heading, if applicable:	
Courses included in the module, if applicable:	
Semester/term:	2 / First year
Module coordinator(s):	Dr. Hadi Poerwono, MSc
Lecturer(s):	Prof. Dr. Tutuk Budiati, MS. Prof. Dr. H. Achmad Syahrani, Apt., MS. Drs. Hadi Poerwono, Apt., MSc., PhD. Drs. Marcellino Rudyanto, Apt., MSi., PhD. Dr. Juni Ekowati, Apt., MSi. Dra. Suzana, Apt., MSi. Kholis Amalia Novianti, S.Farm., Apt., MSc.
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 a semester
Credit Points:	2
Requirements:	
Learning goal/competencies:	<p>Knowledge</p> <ul style="list-style-type: none"> - To understand the concept of organic compound; and basic concepts and principles in organic chemistry. <p>Skills</p> <ul style="list-style-type: none"> - Critical thinking, comprehensive and valid operating scientific-academic, active learning for accessing information to make scientific decision-academic. <p>Competence</p> <ul style="list-style-type: none"> - To understand and able to apply basic and applied fields of drug development and drug substance group of natural and synthetic materials.
Content:	Introduction of Physical Chemistry (Practical); measurements and determination of the equilibrium constants associated with phase two component system; reaction kinetics; and the laws of thermodynamics.
Study/exam achievements:	<p>Student are considered to be competent and pass if at least get 50% of maximum mark of the exams based learning.</p> <p>Final score (NA) is calculated as follow :</p> <p>50% Exam I + 50% Exam II</p> <p>Final index is defined as follow :</p> <p>A : $100 > NA \geq 75$ AB : $75 > NA \geq 70$ B : $70 > NA \geq 65$</p>

	BC : $65 > NA \geq 60$ C : $60 > NA \geq 55$ D : $55 > NA \geq 50$ E : $50 < NA$
Forms of Media:	Slides and LCD Projector, whiteboards, loudspeaker.
Literature:	1. Solomons, T. W. G.; Fryhle, C. B. (2007) <i>Organic Chemistry</i> , 9 th Ed., John Wiley & Sons, Inc.: New York. 2. McMurry, J. (2008) <i>Organic Chemistry</i> , 7 th Ed., Brooks/Cole Publishing Company: Pacific Grove, California. 3. Morrison, R. T.; Boyd, R. N. (1992) <i>Organic Chemistry</i> , 6 th Ed., Prentice Hall: Englewood Cliffs, New Jersey. 4. Fessenden, R. J.; Fessenden, J. S. (1989) <i>Kimia Organik</i> , edisi 3 Jilid 1, Alih Bahasa: A. H. Pudjaatmaka, Penerbit Airlangga: Jakarta 5. Finar, I. L. (1986) <i>Organic Chemistry</i> . Volume I: The Fundamental Principles, 6 th Ed., English Language Book Society/Longman: England.
Notes:	