

## Module Handbook

Module Name	<b>Organic Chemistry II (Practical)</b>
Module Level	Bachelor
Kode Mata Kuliah	KIO 204
Sub Heading, if applicable	-
Courses included in the module, if applicable	-
Semester/Term	5 / Third Years
Person in charge	Dr. HerySuwito and Dr. Alfinda Novi Kristanti
Member	Dr. NanikSitiAminah, Dr. PratiwiPudjiastuti, Dr. MulyadiTanjung
Language of instruction	Bahasa Indonesia
Classification within the curriculum	Compulsory Course / <del>Elective course</del>
Teaching format / class hours per week during the semester	4 hours laboratory work (50 min / hour)
Workload	4 hours doing worksheet and pretest preparation , 4 hours laboratory work, 4 hours group discussion, searching literature and writing report, 13 week per semester, and total 156 hours per semester ~ 5.2 ECTS *
Credit Points	2
Requirements	Organic Chemistry II (KIO 202)
Learning goals/competencies	<p><b>General Competence (Skill) :</b> Students are able to prepare the synthesis of compounds based on the types of organic reactions.</p> <p><b>Specific Competence :</b> At the end of semester students are able to apply the technique and principle of organic reaction and determination of purity of organic compounds based on the chemical reaction and its physical constant</p>
Content	The synthesis of compounds based on the types of organic reactions, determination of physical properties - chemical compounds synthesized to the purification step.
Learning Outcome	<p>Students are considered to be competent and pass if at least get 55</p> <p><b>Final score is calculated as follows:</b> 75% practicum report, 25% final test</p> <p><b>Final index graduation</b> A : 100 &gt; NA ≥ 75 AB: 74,9 &gt; NA ≥ 70 B : 69,9 &gt; NA ≥ 65 BC : 64,9 &gt; NA ≥ 60 C : 59,9 &gt; NA ≥ 55 D : 54,9 &gt; NA ≥ 40 E : 39,9 ≥ NA</p>
Forms of Media	Laboratory equipments
Learning Methods	Practicum in laboratory, lectures, discussion
Literature	Durst, H.D.; Gokel, G.W., 1987, Experimental Organic Chemistry,

	2 <sup>nd</sup> Ed., McGraw-Hill Publishing Company, New York Furniss, B.S., Hannaford, A.J., Smith, Tatchell, A.R., <i>Vogel's Textbook of Practical Organic Chemistry</i> , Longman, 1989
Note	*Total ECTS = {(total hours workload x 50 min ) / 60 min } / 25 hours <b>Each ECTS is equals with 25 hours</b>