

Module Handbook

Module Name:	General Chemistry II (Practical Work)
Module Level:	Bachelor
Abbreviation, if applicable:	KID01
Sub-heading, if applicable:	-
Courses included in the module, if applicable:	-
Semester/term:	Even (2 nd semester)
Module coordinator(s):	MKWU Teaching Staff
Lecturer(s):	MKWU Teaching Staff
Language:	Bahasa Indonesia
Classification within the curriculum	Compulsory Course / Elective Studies
Teaching format / class hours per week during semester:	300 minutes/ week
Workload:	100 min lecture + 100 min structural assignment + 100 min self-assignment x 13 weeks; total 3900 min = 65 hours 65/25 = 2.6 ECTS
Credit Points:	1
Requirements:	general chemistry I (Practical Work)
Learning goals/competencies:	General Competence (Knowledge) Students are able to explain the concepts - the basic concepts of chemistry including chemical reaction, basic calculation, and carbon compounds structure correctly according to the standard .reference Specific Competence: <ol style="list-style-type: none">1. Able to practice determining of equivalent weight2. Able to practice colligative properties3. Able to practice SOL, solid in liquid colloidal system4. Able to practice electrolysis5. Able to practice the introduction of some elements6. Able to practice determining water content7. Able to practice alcohol8. Able t practice carboxylic acid9. Able to practice lipids
Content:	Stoichiometry, solution, colloid system, redox, periodic system, alcohol, carboxylic acid, lipids
Attribute soft skill	Discipline and cooperation
Study/exam achievements:	Students are considered to be competent and pass if at least get 40 of maximum mark of the exams (UTS and UAS), structured activity (group discussion). Final score (NA) is calculated as follow: 20% Paper project + 10% quiz + 30% mid exam + 30% final exam + 10% soft skill Final index is defined as follow: A : 75 – 100 AB : 70 - 74.99

	B : 65 - 69.99 BC : 60 - 64.99 C : 55 - 59.99 D : 40 - 54.99 E : 0 - 39.99
Forms of Media:	Laboratory equipment
Learning Methods	Practical work
Literature	a. Brady, J.E., 1992, <i>General Chemistry</i> , 5 th ed., John Wiley and Sons, New York b. Brown, W.H., 1982, <i>Introduction to Organic Chemistry</i> , 3 rd ed., Williard Grant Press, Boston. c. Wilbraham, A.C., Matta M.S., 1992, <i>Pengantar Kimia Organik dan Hayati (terjemahan Suminar Achmad)</i> , Penerbit ITB.
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