MODULE HANDBOOK

Module Name	**Monofunctional Organic Compound**
Module Level	Bachelor of Chemistry
Abbreviation, if applicable	3074213031
Sub-heading, if applicable	-
Course included in the module, if applicable	-
Semester/term	3rd/ Second year
Module coordinator(s)	Prof. Dr. Suyatno, M.Si.
Lecturer(s)	Prof. Dr. Suyatno, M.Si. Prof. Dr. Tukiran, M.Si.
Language	Indonesian Language
Classification within the curriculum	Compulsory course
Teaching format/class hours per week during the semester	3 hours lectures (50 min / hour)
Workload	3 hours lecture, 3 hours structured activities, 3 hours individual activities, 14 week a semester, and total 126 hours a semester~ 4.77 ECTS *
Credit point	3 CU = = 3 x 1.59 = 4.77 ECTS
Requirement	-
Targeted Learning Outcomes	CLO 1: Mastering the theoretical concepts of monofunctional organic compound structure, physical and chemical properties, synthesis reactions, along with their identification. CLO 2: Able to apply conceptual understanding of monofunctional organic compounds to explain everyday phenomena through science process skills, critical thinking, creativity and problem solving. CLO 3: Able to make appropriate decisions in the context of solving problems based on the results of analysis of information and data CLO 4: Demonstrate a responsible attitude towards work in their field of expertise independently
Content	This course discusses the structural theory of organic compound, alkanes, cycloalkanes, alkenes, alkynes, basic stereochemistry, alkyl halides, aromatic compounds, alcohol-ethers, aldehyde-ketones, carboxylic acids and their derivatives, and amines.
Study/exam achievements	Students are considered to be competent and pass if at least get 55 Final score is calculated as follows: 20% Participation + 30% Assignment + 20% Midle Exam + 30% Final Exam

<table>
<tr><td></td><td>Table index of graduation:

<table><tr><th>Interval Score</th><th>Index</th></tr><tr><td>0 - 39,999</td><td>E</td></tr><tr><td>40 - 54,999</td><td>D</td></tr><tr><td>55 - 59,999</td><td>C</td></tr><tr><td>60 - 64,999</td><td>C+</td></tr><tr><td>65 - 69,999</td><td>B-</td></tr><tr><td>70 - 74,999</td><td>B</td></tr><tr><td>75 - 79,999</td><td>B+</td></tr><tr><td>80 – 84,999</td><td>A-</td></tr><tr><td>85 – 100</td><td>A</td></tr></table></td></tr>
<tr><td>Forms of media</td><td>Computer, LCD, White board</td></tr>
<tr><td>Learning Methods</td><td>Lectures, discussion, problem solving, assignment</td></tr>
<tr><td>Literatur</td><td>1. Carey, F.A. (2000). Organic Chemistry. 4rd Ed. New York: McGraw-Hill Companies, Inc.
2. Fessenden, R.J. dan Fessenden, J.S. (1998). Organic Chemistry. Part 1 and 2. Translated by AH Pudjaatmaka. Jakarta: Erlangga.
3. Harborne, J.B. (1987). Phytochemical Methods. Translated by Kosasih P. Bandung : ITB Press.
4. Hart, H., Craine, L.E. & Hart, D.J. (2003). Organic Chemistry. A Short Course. 11th Ed. Translated by Achmadi, S.S., Jakarta: Erlangga.
5. Robert V, Hoffman (2004). Organic Chemistry, an Intermediate Text, 2nd Ed, Canada: John Wiley and Sons, Inc.
6. Smith, J.G. (2011). Organic Chemistry. 3th Ed. New York: Mc Graw-Hill Book.
7. Solomon, T.W.G. & Fryhle, C.B. (2011). Organic Chemistry. New York: John Wiley & Sons, Inc.</td></tr>
<tr><td>Note</td><td>• This course can be conducted into two parallel classes with the same materials and ingredients but given the same test in the same time with same lecturers.
• Total ECTS = {(total hours workload x 50 min) / 60 min } / 25 hours
Each ECTS is equals with 25 hours</td></tr>
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