MODULE HANDBOOK

Module Name	School Chemistry
Module level	Bachelor
Abbreviation, if applicable	8420402171
Sub-heading, if applicable	-
Course included in the	-
module, if applicable	
Semester/term	6 th /Third Year
Module coordinator(s)	Dian Novita, ST., M.Pd.
Lecturer(s)	1. Dr. Ismono, M.Si.
	2. Dr. Muchlis, M.Pd.
	3. Dian Novita, ST., M.Pd.
	4. Rusmini, S.Pd., M.Pd.
Language	Indonesian
Classification within the	Compulsory Course
Curriculum	
Teaching format/class	2 hours lecturers (50 min per hours)
hours per week during the	
semester:	
Workload:	1 CU for bachelor degree equals to 3 workhours per week or
	170 minutes (50' face to face learning, 60' structured learning,
	and 60' independent learning). In one semester, courses are
	conducted in 14 weeks (excluding mid and end-term exam).
	Thus, 1 CU equals to 39.67 workhours per semester. One CU
Creedit a cinta:	equals to 1.59 ECTS.
Credit points:	2 CU = 2 x 1.59 = 3.18 ECTS
Prerequisites course(s):	- 1. Understand the basic principles of chamistry at the SMD
Targeted learning outcomes:	1. Understand the basic principles of chemistry at the SMP, SMA, and SMK education unit levels in accordance with
	the applicable curriculum covering the depth and breadth of
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	the material
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	5 Jania Danda and Matal Danda
	5. Ionic Bonds and Metal Bonds
	6. Covalent Bonds and Chemical Reactions
	7. Properties of Substances and the Law of Gases
	8. Energy and Chemical Reactions
	9. Chemical Reactions and Equilibria
	10. Redox and Electrochemical Reactions
	11. Mixtures and Solutions
	12. Hydrocarbons, Substituted Hydrocarbons and Their
	Reactions
	13. Chemistry in Everyday Life
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% middle exam (UTS) & 30% final exam
	(UAS)
	Table index of graduation
	• A = 4 ($85 \le 100$)
	• A- = 3,75 (80 ≤-< 85)
	• $B + = 3,5 (75 \le -80)$
	• B = 3 $(70 \le -75)$
	• B- = 2,75 ($65 \le -75$)
	• $C + = 2,5 \ (60 \le -65)$
	• $C = 2 (55 \le -(60))$
	• $D = 1 (40 \le -(55))$
	• $E = 0 (0 \le -40)$
Media:	Computer, LCD, White board
Learning Methods	Individuals assignment, group assignment, discussion,
Learning Wiethous	presentation, and practicum
Literature:	1. Dingrando, L., Gregg, K.V., Hainen, N., Wistrom, C. 1990.
Literature.	<i>Chemistry: Matter & Change, Student Edition (GLENCOE)</i>
	CHEMISTRY) 2nd Edition. USA: John Wiley & Sons Limited.
	2. Brady, J.E., Jespersen, N.D., Hyslop, A. 2014. <i>Chemistry</i> .
	USA: John Wiley & Sons Limited.
	3. Brady, E. James. 1990. <i>General Chemistry: Principles and</i>
	Structure. USA: John Wiley & Sons Limited.