

Module Descriptions

Module designation	School Chemistry Laboratory Management (MPK6252)
Semester(s) in which the module is taught	3
Person responsible for the module	<i>Dra. Regina Tutik Padmaningrum, MSi</i>
Language	<i>Indonesia</i>
Relation to curriculum	<i>Compulsory / elective / specialisation</i>
Teaching methods	<i>Lecture, discussion, project</i>
Workload (incl. contact hours, self-study hours)	Total workload of the activity is 91 hours per semester for 16 weeks which consist of: <i>100 minutes/week for class learning</i> <i>120 minutes/week for structured activities</i> <i>120 minutes/week for individual study</i>
Credit points	<i>2 sks (3.2 ECTS)</i>
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	<i>On successful completion of the course students should be able to:</i> 1. Demonstrate good ethics and a responsible attitude towards their work, both individually and in groups, in laboratory management lectures. 2. analyzing the principles of Occupational Safety and Security (K3), laboratory management, the use of chemical equipment and instruments for chemical labs and research, and addressing environmental issues 3. Applying logical, critical, systematic, and innovative thinking to solve laboratory management problems 4. Developing group collaboration in solving laboratory management problems 5. Evaluate laboratory activity plans based on OHS principles
Content	1. Definition, classification, and function of laboratories 2. Laboratory equipment management 3. Chemical management 4. Occupational safety in chemical laboratories 5. Laboratory waste management 6. Evaluation of laboratory activities
Examination forms	Essay, project report, written tests

Study and examination requirements	Minimum attendance at lectures is 75% Final score (NA) is calculated as follows: <table><tr><th>Learning Outcome</th><th>Weight (%)</th><th>Technique of Assesment</th></tr><tr><td>1, 4</td><td>5</td><td>Participation</td></tr><tr><td>2, 3, 5</td><td>10</td><td>Precentation</td></tr><tr><td>1, 2, 3, 4, 5</td><td>50</td><td>Project</td></tr><tr><td>2, 3, 5</td><td>15</td><td>Mid-term Written Test</td></tr><tr><td>2, 3, 5</td><td>20</td><td>Final Exam Written Test</td></tr></table>	Learning Outcome	Weight (%)	Technique of Assesment	1, 4	5	Participation	2, 3, 5	10	Precentation	1, 2, 3, 4, 5	50	Project	2, 3, 5	15	Mid-term Written Test	2, 3, 5	20	Final Exam Written Test
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Reading list	1. Perda Prop DIY No 2 Thn 2012 tentang pengelolaan limbah B3 dan lampirannya 1. PP Nomer 5 tahun 2021 2. Regina Tutik P dan Susila Kristianingrum, (2010). Manajemen Laboratorium Kimia, (diktat), Yogyakarta: FMIPA 3. Peraturan Presiden RI Nomer 34 thn 2014 tentang Pengesahan Konvensi mengenai kerangka kerja peningkatan keselamatan dan Kesehatan kerja (Konvensi 187, 2006) 4. Kemendiknas Ditjen PMPTK Dittendik, 2010. Pengembangan Kompetensi manajerial dan Organisasi Laboratorium (Modul 2). Bandung: Ditjen PMPTK 5. Marham Sitorus, Ani Sutiani, (2013). Pengelolaan dan Manajemen Laboratorium Kimia, Yogyakarta: Graha Ilmu.																		

Prepared by	Verified by:	Authorized by:
		
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