

Module Descriptions

Module designation	School Chemistry Laboratory Management (MPK6252)		
Semester(s) in which the module is taught	3		
Person responsible for the module	Dra. Regina Tutik Padmaningrum, MSi		
Language	Indonesia		
Relation to curriculum	Compulsory / elective / specialisation		
Teaching methods	Lecture, discussion, project		
Workload (incl. contact hours, self-study hours)	(Estimated) Total workload: 100 minutes/week for class learning 70 minutes/week for project		
Credit points	2 sks (3.2 ECTS)		
Required and recommended prerequisites for joining the module	-		
Module objectives/intended learning outcomes Content	 On successful completion of the course students should be able to: Demonstrate good ethics and a responsible attitude towards their work, both individually and in groups, in laboratory management lectures. 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 Applying logical, critical, systematic, and innovative thinking to solve laboratory management problems Developing group collaboration in solving laboratory management problems Evaluate laboratory activity plans based on OHS principles Definition, classification, and function of laboratories Laboratory equipment management Chemical management		
Examination forms	4. Occupational safety in chemical laboratories 5. Laboratory waste management 6. Evaluation of laboratory activities Essay, project report, written tests		



Study and examination requirements	Minimum attendance at lectures is 75% Final score (NA) is calculated as follows:			
	Learning Outcome 1, 4 2, 3, 5 1, 2, 3, 4, 5 2, 3, 5 2, 3, 5	Weight (%) 5 10 50 15 20	Technique of Assesment Participation Precentation Project Mid-term Written Test Final Exam Written Test	
Reading list	 dan lampirannya Regina Tutik P da Laboratorium Kir Peraturan Presid Konvensi mengel Kesehatan kerja Kemendiknas Dit Kompetensi man Bandung: Ditjen Marham Sitorus, 	 dan lampirannya 1. PP Nomer 5 tahun 2021 Regina Tutik P dan Susila Kristianingrum, (2010). Manajemen Laboratorium Kimia, (diktat), Yogyakarta: FMIPA Peraturan Presiden RI Nomer 34 thn 2014 tentang Pengesahan Konvensi mengenai kerangka kerja peningkatan keselamatan dan Kesehatan kerja (Konvensi 187, 2006) Kemendiknas Ditjen PMPTK Dittendik, 2010. Pengembangan Kompetensi manajerial dan Organisasi Laboratorium (Modul 2). Bandung: Ditjen PMPTK 		

Prepared by	Verified by:	Authorized by:
Dra. Regina Tutik Padmaningrum, MSi		Dr. Retno Arianingrum, MSi