Module Handbook

Module Name	Sampling Technique Lab Work					
Module Level	Higher Diploma					
Code, if applicable	VKD327					
The subtitle, if	-					
applicable						
Courses, if	-					
applicable						
Semester(s) in	3 rd semester					
which the module is						
taught						
A person	Kuntari, S.Si., M.Sc.					
responsible for the	Tri Esti Purbaningtias, S.Si., M.Si.					
module						
Lecturer	Kuntari, S.Si., M.Sc.					
	Tri Esti Purbaningtias, S.Si., M.Si.					
Language	Bahasa Indonesia					
Relation to	Compulsory					
curriculum						
Type of teaching,	Laboratory Practice (teaching, preparation, lab work and report) and					
contact hours	Exams: 5.7 hours x 16 week					
Workload	Total 91 hours; 2 CU					
	Workload					
		Face to	Study	Laboratory	Report	Exam
		face	literature	work		(Theory
		teaching				and
						Practice)
	Hours	11	11	50	11	8
Credit Points	2 CU/3.4 ECTS					
Requirements	100% of requirements attendance in laboratory activities					
according to the						
examination						
regulations						
Recommended	-					
prerequisites						
Module	PLO 4: Able to lead in his/her working environment and be an					
objectives/intended	exemplification for society					
learning outcomes	PLO 7: Able to choose and perform the suitable methods of chemical					
	analysis and operate the chemicals instrument by applying the principles					
	of chemist	of chemistry occupational safety and health				
	Subject LO	:				
	Students a	re able to sel	ect and desig	n environmenta	al sampling	
	Students a	re able to ap	ply preparation	on and sampling	5	
	Students are able to apply sampling handling					
	Students are able to select and apply field parameter testing					
	Students are able to analyze data and report test results in writing and orally					
	Students are able to apply principles and build a culture of chemical safety					
	and health					
	Students a	re able to bu	ild team work	in carrying out	laboratory	procedures

Content	1. Environmental sampling design		
	2. Preparation of water, soil, and air sampling equipment		
	3. Sampling of water, soil, and air		
	4. Handling of water, soil, and air samples		
	5. Field parameter measurement		
Study and	Assessment lab work (55%), team work (10%), report (25%) and safety lab		
examination	(10%)		
requirements and			
forms of			
examination			
Media employed	Google classroom, youtube, zoom meeting, google form, google doc,		
	standard method, laboratory handbook		
Reading list	1. National Standardization Agency, 2008, SNI 6989.57:2008: Water		
	and wastewater-section 57: Surface water sampling method,		
	Jakarta, National Standardization Agency.		
	2. National Standardization Agency, 2008, SNI 6989.58:2008:		
	Groundwater sampling method-section 58: Surface water sampling		
	method, Jakarta, National Standardization Agency.		
	3. National Standardization Agency. 2008. SNI 19-7119.9:2005:		
	Ambient air-Part 9 [°] Determination of sampling locations for		
	roadside air quality monitoring tests lakarta National		
	Standardization Agency		
	A National Standardization Agency 2008 SNI 10-7110 6:2005:		
	4. National Standardization Agency, 2008, SNI 19-7113.0.2003.		
	Amplent all-Part 6. Determination of sampling locations for		
	ambient air quality monitoring tests, Jakarta, National		
	Standardization Agency.		
	5. National Standardization Agency, 2008, SNI 7230:2009: Techniques		
	for determining the point of air sampling in workplace, Jakarta,		
	National Standardization Agency.		
	6. Hadi, A., 2007, Principles of Environmental Sampling Management,		
	PT. Gramedia Pustaka Utama		