## Module Handbook

Module Name	Drug and Cosmotics Analysis					
Module Level	Drug and Cosmetics Analysis					
Code, if applicable	Higher Diploma VKT749					
The subtitle, if	VN1/43					
applicable						
Courses, if	-					
applicable Semester(s) in						
which the module is	Odd semester					
taught	Davy Wivestake M.S.					
A person responsible for the	Bayu Wiyantoko, M.Sc.					
module						
Lecturer	Kuntari M Ca					
	Kuntari, M.Sc.					
Language Relation to	Bahasa Indonesia					
curriculum	Elective					
Type of teaching, contact hours	Lecture (face to face teaching, independent study, structured activities/					
	structured assignments, and exam): 5.6 hours x 16 weeks per semester					ter
Workload	Total 91 hours; 2 CU					
	Workload	<b>E</b>	1.1.1		Description	<b>F 1 1</b>
		Face to	Independent	Structured	Presentation	Exam
		face	study	assignments		
		teaching				
	Hours	24	22	22	12	11
Credit Points	2 CU/3.4 EC		-			
Requirements	75% minim	um require	ments of attend	lance		
according to the						
examination						
regulations						
Recommended	-					
prerequisites		to contrib	uto to colving p	coblome in the	conc of work	
Module			ute to solving pr	roblems in the s	scope of work.	
Module objectives/intended	Subject LO:					in drug
Module	Subject LO: Students ar	e able to ap	ute to solving pr oply principles o			in drug
Module objectives/intended	Subject LO: Students ar and cosmet	e able to ap tic samples	oply principles o	f component ar	alysis methods	-
Module objectives/intended	Subject LO: Students ar and cosmet Students a	e able to ap tic samples re able to	oply principles or analyze the co	f component an nstituent comp	alysis methods ponents in sam	ples of
Module objectives/intended	Subject LO: Students ar and cosmet Students an drugs and	e able to ap tic samples re able to I cosmetio	oply principles or analyze the co cs both instr	f component an nstituent comp umentally and	alysis methods ponents in sam d non-instrum	ples of entally
Module objectives/intended	Subject LO: Students ar and cosmet Students ar drugs and Students ar	e able to ap tic samples re able to l cosmetio re able to re	oply principles of analyze the co cs both instr espond, solve an	f component an nstituent comp umentally and nd overcome pl	alysis methods ponents in sam d non-instrum	ples of entally
Module objectives/intended learning outcomes	Subject LO: Students ar and cosmet Students ar drugs and Students ar misuse of c	e able to ap tic samples re able to I cosmetio re able to ro hemicals in	oply principles or analyze the co cs both instr espond, solve an drugs and cosn	f component an nstituent comp umentally and nd overcome pr netics	aalysis methods oonents in sam d non-instrum roblems related	ples of entally
Module objectives/intended	Subject LO: Students ar and cosmet Students ar drugs and Students ar misuse of c 1. Cla	e able to ap tic samples re able to l cosmetio re able to re hemicals in ssification o	oply principles or analyze the co cs both instr espond, solve and drugs and cosn of drugs, dosage	f component an nstituent comp umentally and nd overcome pr netics e forms and cos	aalysis methods oonents in sam d non-instrum roblems related metics	ples of entally
Module objectives/intended learning outcomes	Subject LO: Students ar and cosmet Students an drugs and Students ar misuse of c 1. Cla 2. Phy	e able to ap tic samples re able to l cosmetio re able to re hemicals in ssification o vsicochemic	oply principles of analyze the con cs both instr espond, solve and drugs and cosn of drugs, dosage cal properties of	f component an nstituent comp umentally and nd overcome pu netics e forms and cos f drugs and cos	nalysis methods ponents in sam d non-instrum roblems related metics metics	ples of entally to the
Module objectives/intended learning outcomes	Subject LO: Students ar and cosmet Students ar drugs and Students ar misuse of c 1. Cla 2. Phy 3. Che	e able to ap tic samples re able to l cosmetio re able to re hemicals in ssification o vsicochemic emical addi	oply principles or analyze the co cs both instr espond, solve and drugs and cosn of drugs, dosage	f component an nstituent comp umentally and nd overcome pu netics e forms and cos f drugs and cos	nalysis methods ponents in sam d non-instrum roblems related metics metics	ples of entally to the
Module objectives/intended learning outcomes	Subject LO: Students and cosmet Students and drugs and Students and misuse of c 1. Clai 2. Phy 3. Che cos	e able to ap tic samples re able to l cosmetio re able to re hemicals in ssification of vsicochemic emical addi metics	oply principles of analyze the col cs both instr espond, solve and drugs and cosh of drugs, dosage cal properties of tives and hazard	f component an nstituent comp umentally and nd overcome pr netics f forms and cos f drugs and cos dous materials i	nalysis methods oonents in sam d non-instrum roblems related metics metics in medicine and	ples of entally to the
Module objectives/intended learning outcomes Content	Subject LO: Students ar and cosmet Students an drugs and Students ar misuse of c 1. Cla 2. Phy 3. Che cos 4. Phy	e able to ap tic samples re able to l cosmetio re able to re hemicals in ssification of vsicochemic emical addi metics vsicochemic	oply principles of analyze the con cs both instr espond, solve and drugs and cosn of drugs, dosage cal properties of tives and hazard	f component an nstituent comp umentally and nd overcome pu netics e forms and cos f drugs and cos dous materials i ods for drugs a	nalysis methods ponents in sam d non-instrum roblems related metics metics in medicine and nd cosmetics	ples of entally to the
Module objectives/intended learning outcomes Content Study and	Subject LO: Students ar and cosmet Students ar drugs and Students ar misuse of c 1. Cla 2. Phy 3. Che cos 4. Phy Mid-term (3	e able to ap tic samples re able to l cosmetio re able to re hemicals in ssification of vsicochemic emical addi metics vsicochemic 30%) and fi	oply principles of analyze the col cs both instr espond, solve and drugs and cosh of drugs, dosage cal properties of tives and hazard	f component an nstituent comp umentally and nd overcome pu netics e forms and cos f drugs and cos dous materials i ods for drugs a	nalysis methods ponents in sam d non-instrum roblems related metics metics in medicine and nd cosmetics	ples of entally to the
Module objectives/intended learning outcomes Content Study and examination	Subject LO: Students ar and cosmet Students an drugs and Students ar misuse of c 1. Cla 2. Phy 3. Che cos 4. Phy	e able to ap tic samples re able to l cosmetio re able to re hemicals in ssification of vsicochemic emical addi metics vsicochemic 30%) and fi	oply principles of analyze the con cs both instr espond, solve and drugs and cosn of drugs, dosage cal properties of tives and hazard	f component an nstituent comp umentally and nd overcome pu netics e forms and cos f drugs and cos dous materials i ods for drugs a	nalysis methods ponents in sam d non-instrum roblems related metics metics in medicine and nd cosmetics	ples of entally to the
Module objectives/intended learning outcomes Content Study and	Subject LO: Students ar and cosmet Students ar drugs and Students ar misuse of c 1. Cla 2. Phy 3. Che cos 4. Phy Mid-term (3	e able to ap tic samples re able to l cosmetio re able to re hemicals in ssification of vsicochemic emical addi metics vsicochemic 30%) and fi	oply principles of analyze the con cs both instr espond, solve and drugs and cosn of drugs, dosage cal properties of tives and hazard	f component an nstituent comp umentally and nd overcome pu netics e forms and cos f drugs and cos dous materials i ods for drugs a	nalysis methods ponents in sam d non-instrum roblems related metics metics in medicine and nd cosmetics	ples of entally to the

examination			
Media employed	Google classroom, youtube, zoom meeting, google form, google doc		
Reading list	<ol> <li>Day, R.A., dan Underwood, A.L., 2002, Analisis Kimia Kuantitatif, Edisi keenam, Erlangga, Jakarta.</li> </ol>		
	<ol> <li>Draelos, Z.D. dan Thaman, L.A., 2006, Cosmetics Formulation of Skin Care Products, Taylor &amp; Francis</li> </ol>		
	3. Draelos, Z.D., 2010, Cosmetic Dermatology: Products and Procedures, Wiley-Blackwell		
	4. Ganjdar, I.G., 2009, Kimia Farmasi Analisis, Pustaka Pelajar		
	5. Khopkar, S.M., 2003, Konsep Dasar Kimia Analitik, UI Press, Jakarta.		
	6. Sujadi, A.R., 2004, Analisis Obat dan Makanan, Pustaka Pelajar		
	7. Rohman, A., 2007, Kimia Farmasi Analisis, Pustaka Pelajar, Yogyakarta.		
	8. Watson, D.G., 2007, Analisis Farmasi, Penerbit Buku Kedokteran EGC		
	9. Widana, G. A. B., 2014, Analisis Obat, Kosmetik dan Makanan, Graha Ilmu, Yogyakarta		