SKIN WHITENING PREPARATION

Module designation	Skin Whitening Preparation
Semester(s) in which the	2
module is taught	
Person responsible for the	1. Prof. Dr. apt. Widji Soeratri, DEA (Course
module	Coordinator)
	2. Prof. Dr. apt. Tristiana Erawati M., M.Si.
	3. Prof. Dr. apt. Noorma Rosita, M.Si.
Language	Bahasa Indonesia
Relation to curriculum	Compulsory / elective / specialisation
Teaching methods	lecture, discussion, assignment
Workload (incl. contact	(Estimated) Total workload:
hours, self-study hours)	Contact hours (structured activities.): 90,67 hours
	Private study including independent learning activites: 90,67
	hours
Credit points	2 SCU / 6 ECTS
Required and recommended	NA
prerequisites for joining the	
module	
Module objectives/intended	Students are:
learning outcomes	LO1: Able to realize excellence based on religious morals
	(excellence with morality), able to work together, and
	snow a responsible attitude to work in their field of
	expense independently
	LOZ. Able to internalize the spirit of independence,
	1 00: Able to carry out molecular manipulation of
	substances and develop formulations and manufacturing of
	pharmaceutical preparations with active pharmaceutical
	ingredients derived from natural products and synthetic
	compounds through the manufacture of polymorphs
	nanoparticles solid dispersions
Content	The course in Skin Lightening Cosmetics discusses the
	phydiology of pigmentation and hyperpigmentation,
	principles of skin depigmentation, skin lightening
	ingredients, both synthetic and/or natural, along with the
	mechanism of action of skin lightening, skin lightening
	procedures, skin lightening formulations, skin lightening
	series preparations, evaluation of skin lightening
	preparations, Manufacturing & Storage
Exams and assessment	Final exam (100 minutes), Presentations (100 minutes),
Tormats	take-nome written assignments
Sludy and examination	ine initial grade in the module is composed of 40%
requirements	periormance on final exams, 50% presentations and take-
	norme assignments, and 10 % in-class participation and
	soll-skills assessment. Students must have a final grade of 70% or higher to page
	10% of higher to pass

Reading list	1. Farmakope Indonesia Ed. V
-	2. United States Pharmacopoea
	3. British Pharmacopoea
	4. Physical Pharmacy
	5. Pharmaceuties The Science of Dosage Form Design
	6. The Theory and Practice of Industrial Pharmacy
	7. Pharmaceutical Dosage Forms: Disperse Systems
	 Megaw J.M., Drake L.A., 1986, Photobiology an overview dalam Jackson E.M. (ed), <i>Photobiology of the</i> <i>Skin and Eye</i>, Marcel Dekker Inc., NY-Basel:1-31 Bose S.K., Ortonne J.P., 1994, Pigmentation: Dyschromia dalam Baran R., Maibach H.I., (eds), Cosmetic Dermatology, Martin Dunitz, London : 277- 285
	 Mosher D.B., 1993, Disorder of Melanocytes dalam Ftzpatricks T.B., Eisen A.Z., et. Al. (eds), <i>Dermatology</i> <i>in General Medicine</i>, 4th ed., Mc Graw Hill, NY : 967- 971
	11. Castanet J., Orthone J.P., 1995, Melasma : New Approached to Treatment, Martin Dunitz, London : 1-5