



**Universitas Negeri Surabaya
Faculty of Engineering,
Cosmetology Education Undergraduate Study Program**

**Document
Code**

SEMESTER LEARNING PLAN

Courses	CODE	Course Family	Credit Weight			SEMESTER	Compilation Date																																
Natural Ingredients Cosmetics	8321302004	MK Study Program Package	T=2	P=0	ECTS=3.18	5	June 30, 2022																																
AUTHORIZATION	SP Developer		Course Cluster Coordinator			Study Program Coordinator																																	
	Octaverina Kecvara Pritasari, S.Pd, M.Farm, dr. Nieke Andina Wijaya, M.Biomed, Sp.KK		Octaverina Kecvara Pritasari, S.Pd, M.Farm			Nia Kusstianti, S.Pd., M.Pd.																																	
Learning model	Project Based Learning																																						
Program Learning Outcomes (PLO)	PLO study program which is charged to the course																																						
	PLO-5	Applying a professional attitude as an educator and practitioner in the field of cosmetology which includes discipline, honesty, responsibility, ethics, ability to collaborate and communicate effectively																																					
	PLO-6	Skilled in designing and implementing learning tools in schools by prioritizing local wisdom and regional culture																																					
	PLO-9	Create, design, carry out research, analyze and implement research results																																					
	PLO-11	Able to explain basic knowledge in the field of cosmetology																																					
	Program Objectives (PO)																																						
	PLO-PO Matrix																																						
		<table border="1" style="margin: auto;"> <tr> <td style="width: 15%;">P.O</td> <td style="width: 15%;">PLO-5</td> <td style="width: 15%;">PLO-6</td> <td style="width: 15%;">PLO-9</td> <td style="width: 15%;">PLO-11</td> </tr> </table>						P.O	PLO-5	PLO-6	PLO-9	PLO-11																											
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	PO Matrix at the end of each learning stage (Sub-PO)																																						
	<table border="1" style="margin: auto;"> <tr> <td rowspan="2" style="width: 10%;">P.O</td> <td colspan="16" style="text-align: center;">Week</td> </tr> <tr> <td style="width: 5%;">1</td> <td style="width: 5%;">2</td> <td style="width: 5%;">3</td> <td style="width: 5%;">4</td> <td style="width: 5%;">5</td> <td style="width: 5%;">6</td> <td style="width: 5%;">7</td> <td style="width: 5%;">8</td> <td style="width: 5%;">9</td> <td style="width: 5%;">10</td> <td style="width: 5%;">11</td> <td style="width: 5%;">12</td> <td style="width: 5%;">13</td> <td style="width: 5%;">14</td> <td style="width: 5%;">15</td> <td style="width: 5%;">16</td> </tr> </table>						P.O	Week																1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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Short Course Description	This course discusses and studies the concept of natural cosmetic ingredients, the characteristics of cosmetic ingredients derived from plants, animals and pelicans. Characteristics and types of cosmetic raw materials originating from animals, processing methods for making cosmetics from natural ingredients, herbal medicine and methods for evaluating the acceptability of cosmetic preparations from natural ingredients																																						
References	Main :																																						
	1. (1) Wasitaadtmaja, 1997. Penuntun ilmu Kosmetik Medik. Jakarta : UI Press (2) Dayan Nava. 2008.Skin Aging Handbook an integrated approach to biochemistry and product development United Stated of America: Delmar Cengage Learning. (3) Hill Pamela, 2008,Common Drugs And side Effect: A Handbokk for the asthetician, United Stated of America: Thomson Delmar Laerning (4) Less Mark, 2012. Skin Care beyond the basics, United Stated of America: Delmar Cengage Learning. (5) Nadim Shaat. 2005. Sunscreen, Regulations and Commercial Development Third Edition, NewYork: Taylor & Francis Group. (6) Bers susan-jane, 2001. Jamu (the ancient Indonesian art of herbal healing), United Stated of America: Periplus (7) Nugroho Agung, 2017. Teknologi Bahan Alam, Lambung Mangkurat University Press (8) Badan Pengawas Obat dan Makanan Republik Indonesia, 2012. Pedoman Teknologi Formulasi Sediaan Berbasis Ekstrak Volume 1																																						
	Supporters:																																						
Supporting lecturer	Octaverina Kecvara Pritasari, S.Pd., M.Farm. dr. Nieke Andina Wijaya, M.Biomed., Sp.KK																																						
Week-	Final abilities of each learning stage (Sub-PO)	Evaluation		Help Learning, Learning methods, Student Assignments, [Estimated time]		Learning materials [References]	Assessment Weight (%)																																
		Indicator	Criteria & Form	Offline (offline)	Online (online)																																		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)																																

1	Able to explain the definition of natural materials, types of natural materials and examples of the use of natural materials	1. Be able to explain the definition of natural ingredients 2. Be able to explain the types of natural ingredients that can be used for cosmetics 3. Explain the types of natural ingredients 4. Give examples of the use of natural ingredients in cosmetics	Form of Assessment : Participatory Activities	Lectures, questions and answers. Google meeting: synchronous 2 X 50			0%
2	Able to explain the definition of natural materials, types of natural materials and examples of the use of natural materials	1. Be able to explain the definition of natural ingredients 2. Be able to explain the types of natural ingredients that can be used for cosmetics 3. Explain the types of natural ingredients 4. Give examples of the use of natural ingredients in cosmetics	Form of Assessment : Participatory Activities	Lectures, questions and answers. Google meeting: synchronous 2 X 50			0%
3	Able to understand and explain the history of creating the legal basis for making natural-based cosmetics	- History of the use of cosmetics made from natural ingredients from time to time - Instructions from the Ministry of Health/Permenkes regarding medicines, preparations and cosmetics from natural ingredients	Criteria: Assessment rubric Form of Assessment : Participatory Activities	2 X 50			0%
4	Students are able to identify prospects or trends in natural cosmetics at home and abroad	- Describe the biodiversity found in Indonesia - Classify the various forms of cosmetics on the market - Describe internal care cosmetics and external care products in Indonesia - Explain the development of the pharmaceutical and medical devices industry	Criteria: Assessment rubric Form of Assessment : Participatory Activities	Cooperative Learning, Method: Synchronous Learning with Google Meeting: demonstrations, lectures, discussions and assignments 2 X 50			3%
5	Students are able to explain the characteristics of vegetable ingredients used in making natural cosmetics	- Define the characteristics of raw materials from plants used for cosmetics - Explain the purpose of using plant materials - Explain what plant materials are usually used for cosmetics.	Criteria: Assessment rubric Form of Assessment : Participatory Activities	Model: Project Based Learning Method: Videoconference, lecture, 2 X 50 discussion			0%
6	Students are able to explain the characteristics of animal ingredients used in making natural cosmetics	- Define the characteristics of raw materials from animal origin that are used for cosmetics - Explain the purpose of using ingredients from animal origin - Explain what animal ingredients are usually used for cosmetics.	Criteria: Assignment assessment rubric Form of Assessment : Participatory Activities	Model: Project Based Learning Method: group assignment, 2 X 50 discussion			0%
7			Form of Assessment : Participatory Activities				2%

8	Students are able to answer questions in UTS	Material from meetings 1-7	Criteria: Material from meetings 1-7 Form of Assessment : Test		Online / Online using the Google Form platform (100 minutes)		20%
9	Able to explain the character of mineral ingredients (pelican) used in making natural cosmetics	1. Defining the characteristics of raw materials from natural minerals used for cosmetics 2. Explain the purpose of using materials from natural minerals 3. Explain what natural mineral ingredients are usually used for cosmetics.	Form of Assessment : Participatory Activities		Online 2x50 minutes		3%
10	Making extracts from simplicia starting from preparation to extraction methods	1. Explain what natural materials will be used to make simplicia 2. Explain the purpose of making simplicia extract	Form of Assessment : Participatory Activities		Online 2x50 minutes		5%
11	Design of cosmetic preparation formulations based on natural extracts (I)	1. Explain the cosmetic formula that will be made 2. Explain the method of making cosmetics from natural ingredients that will be made 3. Making cosmetics from natural ingredients	Form of Assessment : Portfolio Assessment		Online 2x50 minutes		5%
12	Design of cosmetic preparation formulations based on natural extracts (II)	1. Revise the cosmetic formula to be made 2. Revise the method for making cosmetics from natural ingredients that will be made	Form of Assessment : Portfolio Assessment		Online 2x50 minutes		6%
13	Pre-experiment on Cosmetic Product Formulation	1. Identify tools and materials that will be used for product formulation 2. Explain the method of making cosmetics from natural ingredients that will be made 3. Making cosmetics from natural ingredients 4. Explain the safety of the cosmetics that will be made	Form of Assessment : Project Results Assessment / Product Assessment	Offline 2x50 minutes			8%

14	Pre-experiment on Cosmetic Product Formulation	<ol style="list-style-type: none"> 1. Identify tools and materials that will be used for product formulation 2. Explain the method of making cosmetics from natural ingredients that will be made 3. Making cosmetics from natural ingredients 4. Explain the safety of the cosmetics that will be made 	Form of Assessment : Project Results Assessment / Product Assessment	Offline 2x50 minutes			8%
15	Pre-experiment on Cosmetic Product Formulation	<ol style="list-style-type: none"> 1. Identify tools and materials that will be used for product formulation 2. Explain the method of making cosmetics from natural ingredients that will be made 3. Making cosmetics from natural ingredients 4. Explain the safety of the cosmetics that will be made 	Form of Assessment : Project Results Assessment / Product Assessment	Offline 2x50 minutes			8%
16		Material from meetings 1-15	Form of Assessment : Test		Online 2x50 minutes		20%

Evaluation Percentage Recap: Project Based Learning

No	Evaluation	Percentage
1.	Participatory Activities	13%
2.	Project Results Assessment / Product Assessment	24%
3.	Portfolio Assessment	11%
4.	Test	40%
		88%

Notes

1. **Learning Outcomes of Study Program Graduates (PLO - Study Program)** are the abilities possessed by each Study Program graduate which are the internalization of attitudes, mastery of knowledge and skills according to the level of their study program obtained through the learning process.
2. **The PLO imposed on courses** are several learning outcomes of study program graduates (CPL-Study Program) which are used for the formation/development of a course consisting of aspects of attitude, general skills, special skills and knowledge.
3. **Program Objectives (PO)** are abilities that are specifically described from the PLO assigned to a course, and are specific to the study material or learning materials for that course.
4. **Subject Sub-PO (Sub-PO)** is a capability that is specifically described from the PO that can be measured or observed and is the final ability that is planned at each learning stage, and is specific to the learning material of the course.
5. **Indicators for assessing** ability in the process and student learning outcomes are specific and measurable statements that identify the ability or performance of student learning outcomes accompanied by evidence.
6. **Assessment Criteria** are benchmarks used as a measure or measure of learning achievement in assessments based on predetermined indicators. Assessment criteria are guidelines for assessors so that assessments are consistent and unbiased. Criteria can be quantitative or qualitative.
7. **Forms of assessment:** test and non-test.
8. **Forms of learning:** Lecture, Response, Tutorial, Seminar or equivalent, Practicum, Studio Practice, Workshop Practice, Field Practice, Research, Community Service and/or other equivalent forms of learning.
9. **Learning Methods:** Small Group Discussion, Role-Play & Simulation, Discovery Learning, Self-Directed Learning, Cooperative Learning, Collaborative Learning, Contextual Learning, Project Based Learning, and other equivalent methods.
10. **Learning materials** are details or descriptions of study materials which can be presented in the form of several main points and sub-topics.

11. **The assessment weight** is the percentage of assessment of each sub-PO achievement whose size is proportional to the level of difficulty of achieving that sub-PO, and the total is 100%.
12. TM=Face to face, PT=Structured assignments, BM=Independent study.