



Course Module

Technology for Exudate Utilization

Faculty of Forestry

Mulawarman University

Module name	Technology for Exudate Utilization
Modul level, if applicable	Graduates Programme
Code, if applicable	190401802P049
Subtitle, if applicable	
Courses, if applicable	Regular
Semester(s) in wich the module is taught	I (one)
Person responsible for the module	Dr. Ir. Enih Rosamah, M.Sc.
Lecturer	Dr. Ir. Enih Rosamah, M.Sc. Prof. Dr. Harlinda Kuspradini, S.Hut., M.P.
Language	Indonesia
Relation to curriculum	Programme, elective
Type of teaching, contact hours	Lecture, 2 lecture contact hours
Workload	Number of meetings per semester: 16 meetings (14 meetings for learning activity, 1 meeting for mid semester, 1 meeting for final examination) 2 x 50 minutes lectures, 2 x 60 minutes structure activity, 2 x 60 minutes individual activity, with a total of 4,760 minutes or equivalent to a total of 79 hours in 14 weeks per semester
Credit points	2 SKS (3.18 ECTS) Details: 1 Credit = 170 min/week 1 Credit = 170 min x 14 week = 2,380 min/semester 1 ECTS = 25 h / semester 1 Credit = 2,380 / 60 / 25 = 1.59 ECTS 2 Credit = 1.59 x 2 = 3.18 ECTS
Requirements according to the examination regulations	Have attended not less than 80% class meetings
Recommended prerequisites	
Module objectives/intended learning outcomes	After attending this course, students have the ability to: <ol style="list-style-type: none"> 1. examine the relationship between the material of the Exudate Utilization Technology course with the Principal Scientific Pattern and Vision and Mission of the Faculty of Forestry. 2. define exudates and analyze the potential and role of exudates and their utilization techniques. 3. identify exudate-producing species (trees) and explain their utilization. 4. validate the types of exudates: gum, latex, resin.

	5. identify the utilization of special exudates in a broader spectrum. 6. make a resume of the results of literature review presented in the form of a presentation.																								
Content	This course provides knowledge and understanding of economically valuable forest products in the field of exudates as well as processing and utilization products, trade information related to exudates which are expected to lead students to be able to innovate in this field.																								
Study and examination requirements and forms of examination	Evaluation and assessment of the learning process are following scheme 5 in the Academic Regulations of Mulawarman University: <table><tr><th>No.</th><th>Objects of Assessment</th><th>Forms of Assessment</th><th>Quantity (%)</th></tr><tr><td>1</td><td>Affective and class attendance</td><td>Participation</td><td>10</td></tr><tr><td>2</td><td>Assignment</td><td>Q&A</td><td>20</td></tr><tr><td>3</td><td>Mid-semester test</td><td>Written test</td><td>30</td></tr><tr><td>4</td><td>Final semester test</td><td>Written test</td><td>40</td></tr><tr><td colspan="3">TOTAL</td><td>100</td></tr></table>	No.	Objects of Assessment	Forms of Assessment	Quantity (%)	1	Affective and class attendance	Participation	10	2	Assignment	Q&A	20	3	Mid-semester test	Written test	30	4	Final semester test	Written test	40	TOTAL			100
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Media employed	Laptop, LCD																								
Reading list																									