

## Module Handbook

Modul Name	Plant Ecology (Practical Work)
Modul Level	Bachelor
Abbreviation, if applicable:	BIL 331
Sub--heading, if applicable:	-
Courses included in the module, if applicable:	-
Semester	Even
Module Coordinator	Thin Soedarti
Lectures	Thin Soedarti Sucipto Hariyanto
Language	Bahasa Indonesia
Classification within the curriculum:	<del>Compulsory Course</del> / Elective Studies
Teaching format/ class hours per week during semester	300 minutes/ week
Workload per semester	100 min lecture + 100 min structural assignment + 100 min self-assignment x 13 weeks; total 3900 min = 65 hours 65/25 = 2.6 ECTS
Credit point	1
Requirements	General Ecology (Practical Work)
Learning goals/competencies	<p><b>General Competence (Skill)</b></p> <p>Students are able to explain the development of plant communities, conduct sampling plants in nature, analyzing the observations and ecological research in the nature, work independently and in groups, develop an interest in the application of plant ecology, and doing research in the field of plant ecology correctly.</p> <p><b>Specific Competence</b></p> <ol style="list-style-type: none"> <li>1. Identifying the effect of phito-chemistry factors towards plants</li> <li>2. Connecting the growth data with environmental stress and competition</li> <li>3. Comparing the adaptation of hydrophyte, mesophotic, and xerophyte</li> <li>4. Showing the organ of plants that have resilience</li> <li>5. Doing experimental project on plant ecology</li> <li>6. Analyzing the connection of plant and society</li> <li>7. Inventorying the biodiversity of plant and flowers</li> </ol>
Content	The scope of the methods in plant ecology, collecting methods and inventory collection of plant species, vegetation mapping, analysis of growth, association, plasticity, adaptation, vegetation analysis, the effect of pollution on plant growth.
Soft skill Attribute	Discipline and Team Work
Study/ exam achievements	<p>Students are considered to be competent and pass if at least get 40% of maximum. Final score (NA) is calculated as follow: Paper project (20%), mid exam (35%), final exam (35%), and soft skill (10%)</p> <p>Final index is defined as follow:</p> <p>A : 75 - 100</p> <p>AB : 70 - 74.99</p>

	B : 65 - 69.99 BC : 60 - 64.99 C : 55 - 59.99 D : 40 - 54.99 E : 0 - 39.99
Form of media	Laboratory equipment
Learning Method	practical work and discussion
Literature	a. Hariyanto, S., Irawan, B., and Soedarti, Th., 2008. <i>Teori dan Praktik Ekologi</i> , Airlangga University Press, Surabaya. b. Soedarti, Th. Dan Hariyanto, S., 2014. <i>Petunjuk Praktikum Ekologi Tumbuhan</i> . Departemen Biologi. FST Universitas Airlangga.
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