

## Module Handbook

Modul Name	Orchidology
Modul Level	Bachelor
Abbreviation, if applicable:	BIB103
Sub-heading, if applicable:	-
Courses included in the module, if applicable:	-
Semester	Even (4 <sup>th</sup> semester)
ModuleCoordinator	Dr. Edy Setiti Wida Utami, M.S
Lectures	Dr. Edy Setiti Wida Utami, M.S
Languange	Bahasa Indonesia
ClassificationWithin The Curriculum	<del>Compulsory Course</del> / Elective Studies
Teaching format/ classhours per weekduring 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	2
Requirement	General Biology, Plant Morphology and Anatomy
Learning goals/ competencies	<p><b>General competence (knowledge :</b> Upon successful completion of this course, students will gain better understanding of general aspects of orchid history, nomenclature, biology, cultural, and commercial practices.</p> <p><b>Specific competence:</b></p> <ol style="list-style-type: none"> <li>1. Able to explain orchidoogy and its development</li> <li>2. Able to explain the morphology and classification of orchid</li> <li>3. Able to explain the benefits of orchid and its relation to culture (ethnobotany)</li> <li>4. Able to explain the phytochemistry of orchid</li> <li>5. Able to explain the physiology of orchid</li> <li>6. Able to explain the symbiosis between mycorhiza and orchid</li> <li>7. Able to explain the embryology of orchid</li> <li>8. Able to explain kind of polinesia</li> <li>9. Able to explain the reproduction of orchid</li> <li>10. Able to explain the ecology of orchid</li> <li>11. Able to explain <i>in vivo</i> cultivation of orchid</li> <li>12. Able to explain <i>in vitro</i> cultivation of orchid</li> <li>13. Able to analyze entrepreneurial potential of orchid</li> </ol>
Content	Introduction and history, vegetative morphology of orchids, reproductive morphology of orchids, orchids evolution, flowering physiology, pollination in orchids, vegetative and reproductive propagation, classification of orchids, tissue culture, ecology and conservation, pests and diseases of orchids, commercial and Ethnobotanical use, and commercial production.
Soft skill Attribute	Diclipline and argumentation
Study/ exam achievements	<p>Students are considered to be competent and pass if at least get 40 of maximum mark of the final score.</p> <p>Final score: Paper project (20%), mid exam (30%), final exam (40%), and soffskill (10%)</p> <p>Final index is defined as follow: A = 75-100 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
Media	LCD
LearningMethode	Class and discussion
Literature	Fundamental of Orchid Biology, Arditti J. 1992, John Willey & Sons Inc.
Note	-