

## Module Handbook

Modul Name	Orchidology (Practical Work)
Modul Level	Bachelor
Abbreviation, if applicable	BIB105
Sub-heading, if applicable	-
Courses included in the module, if applicable:	-
Semester	Even (4 <sup>th</sup> semester)
Module Coordinator(s)	Dwi Kusuma Wahyuni, S.Si, M.Si
Lecturer(s)	Dwi Kusuma Wahyuni, S.Si, M.Si Dr. Edy Setii Wida Utami, M.S
Languange	Bahasa Indonesia
Classification Within The Curriculum	<del>Compulsory Course</del> / Elective Studies
Teaching format/ classhours 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
Requirement	-
Learning goals/competencies	<p><b>General competence (skill):</b> Students are able to explain the morphology, anatomy, embryology, physiology, taxonomy of orchids. Being able to do the crossing, germination, and cultivation of orchids</p> <p><b>Specific competence:</b></p> <ol style="list-style-type: none"> <li>1. Able to make Vacin and Went media and overplanting media</li> <li>2. Able to germinate orchid seeds in vitro</li> <li>3. Able to do overplanting</li> <li>4. Able to draw and compare morphology of a variety types of orchids</li> <li>5. Able to do polinesia</li> <li>6. Able to do acclimatization in a single pot and community pot</li> <li>7. Able to do orchid reproduction in vivo</li> <li>8. Able to observe the result of orchid seed germination</li> <li>9. Able to observe the result of overplanting</li> <li>10. Able to observe the result of pollination, the acclimatization of single pot and community pot</li> <li>11. Able to observe the result of in vivo reproduction</li> </ol>
Content	Morphology of orchids, orchid Anatomy, orchids embryology, orchid taxonomy (Orchidaceae), Physiology, crossing, germination and cultivation of orchids
Soft skill Attribute	Dicipline and cooperation
Study/ exam achievements	<p>Students are considered to be competent and pass if at least get 40 of maximum mark of the final score. Final score: Paper project (30%), quis (20%), final exam (40%), and soffskill (10%)</p> <p>Final index is defined as follow: A = 75-100 AB = 70-74,99 B = 65-69,99</p>

	BC = 60-64,99 C = 55-59,99 D = 40-54,99 E = 0-39,99
Forms of Media	Laboratory Equipment
LearningMethods	Practical work
Literature	<ul style="list-style-type: none"> <li>a. Arditti, J., 1992. <i>Fundamental of Orchid Biology</i>. John WilleyandSon. Inc.. New York.</li> <li>b. Dressler, R.L., 1993. <i>PhylogenyandClassification of Orchid Family</i>. Dioscorides Press. USA.</li> <li>c. Suryowinoto, M., 1995. <i>Mengenal Anggrek Indonesia</i>. Gramedia. Jakarta.</li> <li>d. Shuttleworth, S.F., H.S. ZimandD.W. Gordon, 1970, <i>Orchids</i>, Golden Press New York.</li> <li>e. Arditti, J., 1995. <i>Micropropagation of Orchids</i>, John WilleyandSon. Inc., New York.</li> </ul>
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