Module designation	Laboratory Work in Developmental Biology of Plant
Semester(s) in which the module is taught	Even/4th
Person responsible for the module	Dra. Ratnawati M.Sc., Dra. Budiwati M.Si., Dr. Drs. Suyitno Aloysius M.S., Annisa Latifa S.Si., M.Sc.
Language	Bahasa Indonesia
Relation to curriculum	Compulsory
Teaching methods	Lab works, project, seminar, exam
Workload (incl. contact hours, self-study hours)	Total workload is 46 hours per semester which consists of 170 minutes of lab work per week for 16 weeks.
Credit points	1 SKS (1.6 ECTS)
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	PLO 2 PLO 3 PLO 4 PLO 6 PLO 7 PLO 9
Content	This course develops basic problem-solving skills and scientific attitudes through observation, experimentation, and/or review of secondary research data to explore the symptoms, facts, and concepts of developmental biology. This practicum course examines issues related to the important stages of structural and functional development of organs and/or individuals in the life cycle of plants, particularly Angiospermae and its factors. The scope of study includes the development of sexual reproductive organs, embryo development, fruit and seed development, seedling and vegetative organ development, including the development of the structure and function of shoot meristem and lateral meristem, flower initiation and production, retrograde development of vegetative organs, and influencing factors. Practical activities are developed through guided assistance and problem-solving practices and communicating (orally and/or in writing) the results of problem-solving independently in groups (Small Group Project).
Examination forms	Task, quiz, mid semester exam, final semester exam, team based project.

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<td>Study and examination requirements</td>
<td>The final mark will be weight as follow:
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<tr><th>NO</th><th>Assessment Techniques</th><th>Percentage Weight Assessment (%)</th><th>Information</th></tr>
<tr><td rowspan="5">1</td><td>Cognitive</td><td>50</td><td>Maximum assessment weight accumulation 50%</td></tr>
<tr><td>Task</td><td>5</td><td></td></tr>
<tr><td>Quiz</td><td>5</td><td></td></tr>
<tr><td>Mid Semester Exam</td><td>20</td><td></td></tr>
<tr><td>Final Semester Exam</td><td>20</td><td></td></tr>
<tr><td rowspan="2">2</td><td>Participatory</td><td>50</td><td>Maximum assessment weight accumulation 50%</td></tr>
<tr><td>Team Based Project</td><td>50</td><td></td></tr>
<tr><td></td><td>Total</td><td>100</td><td></td></tr>
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<td>Reading list</td>
<td>A. Solomon, E.P, Berg, L.R, and D.W. Martin. 2008. Biology. 8 th edition. Singapore, Canada, Australia, United Kingdom, Mexico: Thomson Brooks/Cole.
B. Beverly Glover. 2007. Understanding Flowers & Flowering. Oxford University.</td>
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