

Module designation	Plant Morphology
Semester(s) in which the module is taught	Odd/1 st
Person responsible for the module	Dra. Budiwati, M.Si., Dra. Ratnawati, M.Sc., Drs. Sudarsono, M.S.
Language	Bahasa Indonesia
Relation to curriculum	Compulsory
Teaching methods	Lecture, lesson, project, seminar, exam
Workload (incl. contact hours, self-study hours)	Total workload is 91 hours per semester which consists of 100 minutes lectures, 120 minutes structured activities, and 120 minutes individual study per week for 16 weeks.
Credit points	2 SKS (3.2 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 explains the morphological structure of plants including the shape, surface, types of plant main organs, namely roots, stems and leaves and its modification, namely flowers, fruits and seeds, tubers, rhizomes, stolons. This course also discusses tree construction and architecture, as well as some forms of stem, root and leaf morphological responses to the environment.
Examination forms	Presence, task, quiz, mid semester exam, final semester exam, case study, team based project.

Study and examination requirements	The final mark will be weight as follow:		
	NO	Assessment Techniques	Percentage Weight Assessment (%)
	1	Cognitive	50
		Presence	5
		Task	10
		Quiz	5
		Mid Semester Exam	15
		Final Semester Exam	15
	2	Participatory	50
		Case Study	25
		Team Based Project	25
		Total	100
Reading list	<p>A. Gembong, T. 2009. Morfologi Tumbuhan, cetakan ke 13, Gadjah Mada University Press. Yogyakarta.</p> <p>B. Stern KR, Bidlack JE, Jansky SH. 2008. Introductory Plant Biology. Eleven Edition. New York: Mc Graw Hill Companies Inc.</p> <p>C. Goethe, J.W. 2009. The Metamorphosis of Plant, Massachusetts Institute of Technology, The MIT Press 55 hayward Street, Cambridge, MA</p> <p>D. Donald R. Kaplan. 2022. Kaplan's Principles of Plant Morphology. CRC Press.</p> <p>E. Clive Koelling. 2016. Plant Anatomy, Morphology and Physiology. Syrawood Publishing House</p>		