


MODULE HANDBOOK

	UNIVERSITAS PADJADJARAN FACULTY OF MATHEMATICS AND NATURAL SCIENCES BACHELOR OF BIOLOGY PROGRAMME	COURSE CODE: D10D-2002
Module designation	Plants Structure and Development 1	
Semester in which the module is taught	2	
Persons responsible for the module	1. Joko Kusmoro, MP 2. Betty Mayawatie, MSi 3. Dr. Suryana, S.Si., MP. 4. Dr. Budi Irawan, M.Si	
Medium of instruction	Indonesian	
Relation to curriculum	Compulsory course	
Teaching methods	Lectures and discussions	
Workload	Total workload : 5440 minutes = 90.67 hours Lecture and discussion : 2 x 50 minutes x 16 weeks = 1600 minutes = 26.67 hours Exercises : 2 x 60 minutes x 16 weeks = 1920 minutes = 32 hours Self-study : 2 x 60 minutes x 16 weeks = 1920 minutes = 32 hours	
Credit points	2.00 (3.62 ECTS)	
Required and recommended prerequisites for joining the module	Basic biology	
Module objectives/intended learning outcomes	1. Know and understand the basics of terminology for vegetative organs (roots, stems, leaves) and generative organs (flowers, seeds). 2. Know and understand how to compile plant defenses and botanical illustrations	
Contents	Plant Structure and Development 1 course, studies aspects of the external structure of plants (morphology) which includes vegetative organs (roots, stems and leaves) and generative organs (flowers, fruits and seeds) as well as the development and modification of plant organs. This course also studies terminology for plant description purposes.	
Examination forms	Quiz, Midterm exam, Assignment, and Final exam	
Study and examination requirements	The minimum attendance in lectures is 80%. Final grades are evaluated based on quiz (15%), midterm exam (25%), assignment (30%), and final exam (30%)	
Reading lists	1. Tjitrosoepomo G. 1994. Morfologi Tumbuhan. Yogyakarta. Gadjah Mada University Press. 2. Clarke I and Lee H. 1994. Name that Flower, The Identification of Flowering Plants. Melbourne University Press 3. Harris JG and Harris MW, Plant Identification Terminology, an illustrated Glossary. Utah: Spring Lake Publishing 4. Hidayat EB. 1992. Morfologi dan Perkembangan Tumbuhan. FMIPA ITB 5. Bell AD. 1991. Plant Form, an Illustrated Guide to Flowering Plant Morphology. Oxford University Press. 6. Rosanti D. 2013. Morfologi Tumbuhan. Jakarta: Penerbit Erlangga 7. Stearn WT. 1998. Botanical Latin. Timber Press, Inc. Portland Oregon 8. Baumgardt JP. 1994. How to Identify Flowering Plant Family. Timber Press, Inc. Portland Oregon	