



UNIVERSITAS NEGERI YOGYAKARTA
FACULTY OF MATHEMATICS AND SCIENCE
DEPARTMENT OF BIOLOGY EDUCATION

1 Colombo Street, Yogyakarta 55281, Phone (0274)565411 ext.
 217, (0274)565411(Administration office), fax (0274)548203
 Website: fmipa.uny.ac.id, e-mail: humas_fmipa@uny.ac.id

Bachelor of Science in Biology

MODULE HANDBOOK

Module name:	Plant Ecophysiology
Module level, if applicable:	
Code:	BIM6242
Sub-heading, if applicable:	Required natural resources Plant Response to environmental water condition Structure and function of stressed plant Plant Reproduction Strategies to environment Plant Adaptation to their environment Regulation and homeostatic processes in plants
Classes, if applicable:	Biology study program
Semester:	even semester
Module coordinator:	Dr. Suyitno Aloysius, M.S.
Lecturer(s):	Dr. Suyitno Aloysius, MS Dr. Djukri, MS
Language:	Indonesian
Classification within the curriculum:	Elective course
Teaching format / class hours per week during the semester:	Guided inquiry approaches (discussion, journal analysis, observation/ experiment & presentation)
Workload:	170 min/week
Credit points:	2 credit/semester
Prerequisites course(s):	Plant morphology; Plant anatomy; Plant physiology; Ecology
Program Learning Outcome(s)	PLO4. Comprehensively mastering Biology (core biology) to solve problems in the field of Biology (problem-solving) and to underlie the concepts of related sciences PLO6. Being adaptive, creative, innovative in applying the concepts of Biology and other related fields PLO9. Being able to work and create jobs/being an entrepreneur in the field of Biology PLO11. Possessing scientific skills to support the ability to speak in local, national, and international forums
Targeted learning outcomes:	CO-1. Able to describe the scope of study and essential concepts of plant ecophysiology and their

	interrelationship. CO-2. Able to describe scientific approaches and methods, and show scientific attitudes in the process of solving in plant ecophysiology problems CO-3. Able to identify the usefulness and the potential of plant structure of functions in daily life.
Content:	Discusses the morphological, anatomical, selular and molecular adaptation of plants and its characteristics in relation to the role of regulation and homeostatic function of the plant, through theoretical and analitical studies connected to the environmental factors (adaptation).
Study / exam achievements:	Portfolio, midterm and final examination
Forms of media:	Ppt, student workseet, and related journal
References:	A. Campbell, N. A, J. B. Reece, L. A. Urry, M. L. Cain, S. A. Wasserman, P. V. Minorsky, R. B. Jackson. (2008). <i>Biologi, Jilid 1, 2, 3, Edisi Bahasa Indonesia</i> . Jakarta: Erlangga. B. Solomon, E. F., Berg, L. R., dan Martin, S. W. (2008). <i>Biology, Eight Edition</i> . Thompson Brooks/ Cole. C. Starr, C., C. A. Evers, L. Starr. (2008). <i>Biology, Concepts and Applications, Seven Edition</i> . Thompson Brooks/ Cole. D. Hall, M.A (Ed). 1978. <i>Plant Structure, Function and Adaptation</i> . Hongkong :The McMillan Press Ltd.

PLO and CO mapping

	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10	PLO 11	PLO 12
CO 1				✓		✓			✓		✓	
CO 2				v		v			v		v	
CO 3				v		v			v		v	

