

## UNIVERSITAS NEGERI YOGYAKARTA

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## Bachelor of Education in Science

## MODULE HANDBOOK

Module name:	Basic Struktur and Function of Plant
Module level, if applicable:	Undergraduate
Code:	IPA 6227
Sub-heading, if applicable:	-
Classes, if applicable:	-
Semester:	2
Module coordinator:	Ir. Ekosari R, MP
Lecturer:	Ir. Ekosari R, MP
Language:	Bahasa Indonesia
Classification within the curriculum:	Compulsary course
Teaching format / class hours per week during the semester:	100 minutes lectures and 120 minutes structured activities per week.
Workload:	Total workload is 90.67 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
Prerequisites course(s):	
Targeted learning outcomes:	<ul> <li>After taking this course the students have ability to:</li> <li>CO1. Show independence and responsible in carrying out individual tasks and group assignments.</li> <li>CO2. Able to use knowledge systematically in solving problems related in basic structure and function of plant</li> <li>CO3. Can explain the concepts, procedures of the basic structure and function of plant to describe essensial concept, characteristic anatomy and structure function of plant</li> </ul>

Content:	This course discusses the structure of the anatomical structure of the plant body and its characteristics in relation to the physiological role or function of the plant body, through theoretical and laboratory studies related to environmental factors (adaptation and regulatory systems).						
	The final mark will be weight as follow:						
Study / exam achievements:	No	СО	Objek Penilaian	Teknik Penilaian	Weight		
	1	CO1, CO2, CO3	a. Penugasan individu b. Penugasan	Tertulis Laporan	10% 25%		
			kelompok (termasuk presentasi)	Lisan			
			c. Kuis d. Ujian sub kompetensi	Tertulis Tertulis	10% 25%		
			e. Ujian Akhir Semester	Tertulis	30%	_	
Forme of modio:	Poor		Projector Lanton/Comp	Total	100%		
	Board, LCD Projector, Laptop/Computer						
Literature:	<ol> <li>Fahn, A, 1990. Plant Anatomy. 4th. edit Pergamon. New York.</li> <li>Mohr H, Schopfer. 1995. Plant Physiology Translated by Gudrun and D.W. Lawlor. Spinger.</li> <li>Sitompul, S.M dan B. Guritno. 1995. Analisis Pertumbuhan Tanaman. Yogyakarta : Gadjah Mada Univ. Press</li> <li>Salisbury,F.B and C.W. Ross. 1992. Plant Physiology. 4th Ed.California. Wadsworth Publ. Co.</li> <li>Tais L and Zeiger E. 1991. Plant physiology. Tokyo. The Benyamin/Cumming Publising Company Inc</li> <li>and other sources that are relevant both in the form of textbooks , journals and Internet resources that can be justified</li> </ol>						

## PLO and CO mapping

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10	PLO11	PLO12
CO1				✓								
CO2				✓								
CO3				✓								