



UNIVERSITAS NEGERI YOGYAKARTA

FACULTY OF MATHEMATICS AND SCIENCES
DEPARTMENT OF BIOLOGY EDUCATION

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Bachelor of Science in Biology

MODULE HANDBOOK

Module name:	Phytohormone Laboratory Work
Module level, if applicable:	Undergraduate
Code:	BIM6240
Sub-heading, if applicable:	-
Classes, if applicable:	-
Semester:	5 th
Module coordinator:	Nur Aeni Ariyanti, Ph.D
Lecturer(s):	Nur Aeni Ariyanti, Ph.D
Language:	Bahasa Indonesia
Classification within the curriculum:	Elective Course
Teaching format / class hours per week during the semester:	100 minutes lectures, 120 minutes structured activities, and 120 minutes individual study per week
Workload:	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 ECTS)
Prerequisites course(s):	Biochemistry, Plant Physiology
Course Outcomes	After taking this course, the students have ability to: CO1. Understand the theory and materials on plant hormones CO2. Understand the concept of the plant hormones rules in the plant biochemistry and physiology CO3. The application of the plant hormones for plant production in Agricultural field
Content:	This course will discuss about the structure, biosynthesis, transport and metabolism of plant hormone for the plant growth and development. The discussion also include the

	application of the plant hormone on the Agricultural field and their regulation.																				
Study / exam achievements:	The final mark will be weight as follow:																				
	<table border="1"> <thead> <tr> <th>No</th> <th>CO</th> <th>Assessment Object</th> <th>Assessment Technique</th> <th>Weight</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>CO1 to CO3</td> <td>Observed attitudes , knowledge, and skills</td> <td>Survey, test, rubrics and manuals</td> <td>60%</td> </tr> <tr> <td>2</td> <td>Finall test</td> <td></td> <td></td> <td>40%</td> </tr> <tr> <td colspan="4" style="text-align: right;">Total</td> <td>100%</td> </tr> </tbody> </table>	No	CO	Assessment Object	Assessment Technique	Weight	1	CO1 to CO3	Observed attitudes , knowledge, and skills	Survey, test, rubrics and manuals	60%	2	Finall test			40%	Total				100%
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2	Finall test			40%																	
Total				100%																	
Forms of media:	Direct sample and model																				
Reference:	<p>A. Davues, P.J. 1995. Plant Hormones. Physiology, Biochemistry and Molecular Biology. Kluwer</p> <p>B. Hopkins, 1997. Plant Physiology. John Wiley&Sons.</p> <p>C. Salisbury, F.B.& C.W. Ross. 1999. Plant Physiology. Wadsworth Publishing Co.</p> <p>D. Taiz, L. & Zeiger. 1998. Plant Physiology. Sinauer Association, Inc.</p>																				

PLO and CO mapping

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