



USK
UNIVERSITAS
SYIAH KUALA

FACULTY OF AGRICULTURE
DEPARTMENT OF SOIL SCIENCE

UNDERGRADUATE PROGRAM

MODULE HANDBOOK

Module designation	Practicum of introduction to Plant Protection (SSOL2031)
Semester(s) in which the module is taught	3 rd semester
Person responsible for the module	Dr. Ir. Susanna, M.Si.
Language	Indonesian, English
Relation to curriculum	Compulsory module for Soil Science Department
Teaching methods	Practice, lecture, presentation
Workload (incl. contact hours, self-study hours)	✓ 170 minutes of practice per week (field/laboratory 50 minutes; structured learning 60 minutes; 60 minutes self-study).
Credit points	1 SKS = 1.6 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	<ul style="list-style-type: none">✓ Students are able to identify the causes of plant diseases and apply appropriate control techniques.✓ Students are able to identify plant pests and apply appropriate control techniques.
Content	The Fundamentals of Plant Protection Practicum provides hands-on experience in the biological aspects of the “Tri Gatra” of plant protection (plant protection as a safeguard for agricultural production, a means of preventing environmental damage, and as a supporter of safe and fair global trade), as well as in pest and disease control techniques.
Exams and assessment formats	Case method, quiz, assignment, exam
Study and examination requirements	<ul style="list-style-type: none">✓ Case method: 50%✓ Quiz: 10%✓ Assignment: 10%✓ Exam: 30%

Reading list	<ol style="list-style-type: none">1. Agrios, G.N. 2024. Plant Pathology, 6th ed. Elsevier2. Sutarman. 2017. Dasar-dasar Ilmu Penyakit Tumbuhan. Umsida Press.3. Tronsmo, A.M., Djurle, A., Munk, L., Collinge, D.B., Tronsmo, A., Yuen, J. 2020. Plant Pathology and Plant Diseases. CABI4. Sinclair, J. B., & Dhingra, O. D. (2017). Basic plant pathology methods. CRC press.5. Lucas, J. A. (2020). Plant pathology and plant pathogens. John Wiley & Sons.6. Ownley, B. H., & Trigiano, R. N. (2016). Plant pathology concepts and laboratory exercises. CRC press.7. Parthasarathy, S., Lakshmidevi, P., Satya, V. K., & Gopalakrishnan, C. (2024). Plant Pathology and Disease Management: principles and practices. CRC Press.
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