Integrated Pest And Disease Management (PTN401)

Course credit (SKS): 3 (2-3) (2 credits for lecture and 1 credit for laboratory exercise)
Offered in: Odd semester
Prerequisite: -
Course Coordinator: Dr. Ir. Widodo, MS
Language: ☐ Indonesian ☐ English ☑ Both

Description of the course:
This course discusses history and concepts of integrated pest management (IPM); understanding of agroecosystem process and structure; status and characteristics of pests and diseases in agroecosystem; damage and basis control decision making; pest and disease monitoring and forecasting; dissemination and implementation of IPM; prospects and constraints; pest risk analysis concept and methodology; plant protection policy. Practicum: Exercises on some methods of plant pests and diseases observation as well as natural enemies; data analysis; discussion.

Learning outcomes:
After completing the course, the students will be able to explain the basic theory and concepts of IPM, damage and yield loss, pest and disease control decision making, pest and disease monitoring and forecasting, integration of control tactics, and policy in plant protection.

Indicative assessment:
Mid-term exam 35%
Final semester exam 35%
Laboratory exercise assignments 10%
Laboratory exercise exams 10%
Laboratory exercise quizzes 10%

Contact hours: 2 x 50 minutes for lecture (2 credits) and 3 x 50 minutes for laboratory exercise (1 credit) per week

Reading: