Pests and Diseases of Food and Horticultural Crops (PTN307)

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

Description of the course:
This course discusses the management of important pests and diseases of food and horticultural crops by considering the plant phenology; various important pests and diseases; distribution and their economic importance; pest biology; causal agents of plant disease and their epidemiology; interaction between pests and their environment; methods of control of pests and diseases of food and horticultural crops.
Laboratory exercises: Observation of important pests of food and horticultural crops, their morphological characteristics and symptoms of damage on plants; symptoms and signs of important diseases of food and horticultural crops and morphological characteristics of the causal organisms.

Learning outcomes:
After completing the course, the students will be able to identify pest and disease problems on food and horticultural crops in relation to plant phenology, explain their bio ecology and economic importance, assess their damage on plants, as well as formulate their control measures.

Indicative assessment:
Mid-term exam 30%
Final semester exam 30%
Presentation 10%
Laboratory exercise assignments 10%
Laboratory exercise exams 15%
Laboratory exercise quizzes 5%

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

Reading:
Crop Protection Compendium.CABI

CountryHome.aspx

Jogyakarta: Gadjah Mada University Press.

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Various field guides of pests and diseases of food and horticultural crops.
Various fact sheets from Plant Health Australia.