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| **Obligatory module or**  **Selective module** | **Management of Plant Pests and Diseases (Pengelolaan Hama dan Penyakit Tumbuhan)** | | **PNH 3280** |
| **Semester** | **VI** | | |
| **Module Level** | **Bachelor** | | |
| **Module Coordinator** | **Prof.Dr.Ir. Triwidodo Arwiyanto, M.Sc.** | | |
| **Lecturer(s)** | Class A : Prof. Dr. Ir. Triwidodo Arwiyanto, MSc  Dr. Ir. Arman Wijonarko, M.Sc.  Class B : Dr. Alan Soffan, SP., MSc  Prof. Dr.Ir. Bambang Hadisutrisno, DAA **(ganti orang karena mau pensiun)** | | |
| **Type of Module** | **1 hour and 40 minutes lecture** | | |
| **Status:** | **C (compulsory courses)** | | |
| **Exam** |  | | |
| **Number of participants** |  | | |
| **Credit Points:** | **2/1** | | |
| **Learning outcomes:**   * Student understand and able to explain the components of plant pests and disease management * Students are able to formulate integrated pest management and control strategies by suppressing pest development and improving plant resilience and health with the support of a suppressive environment for the development of pests and plant diseases. | | | |
| **Contents:**  - Introduction  - The ecological foundation for the management of plant diseases  - The components of Integrated Pest Management: Controlling Plant Disease  - The application of Integrated Pest Management in Plant Disease  - Attack symptoms, the extent of the attack and pest monitoring method  - The ecological foundation for the management of pest  - The component of Integrated Pest Management: Controlling Plant Pest  - The application of Integrated Pest Management in Plant Pest  - Industry management of plant pest and diseases | | | |
| **Which previous course required?** Principles of Plant Pathology, Principles of Pests Science, Plant Pathogen, Pest Identification | | | |
| **Literature:**   1. Fry, W.E. 2012. Principles of Plant Diseases Management. Elsevier. 378 hal. 2. http://www.apsnet.org/edcenter/intropp/topics/Pages/PlantDiseaseManagement.aspx 3. Untung, K. 2006. Pengantar Pengelolaan Hama Terpadu (edisi ke-2). Gadjah Mada University Press. 348 hal. 4. Dharam P. Abrol, Uma Shankar 2012. Integrated Pest Management: Principles and Practice, Amazon.co | | | |
| **Material provided: 1. Hand out, 2. PPT, 3.Online references in PDF files** | | | |
| **Requirements for exam: 70% of attendance** | | | |
| **Teaching method(s)** | | 1. **Course delivery** 2. **Group discussion** | |
| Workload (hrs).   1. Theoretical of course: 14-15 x 100 minutes 2. Lab work: 6-8 x 120 minutes 3. Home studies: | | | |