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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.
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| **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
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| **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**
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| Workload (hrs).1. Theoretical of course: 14-15 x 100 minutes
2. Lab work: 6-8 x 120 minutes
3. Home studies:
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