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| **Obligatory module or**  **Selective module** | Principles of Plant Pathology (Dasar-dasar Ilmu Penyakit Tumbuhan) | | PNH 2230 |
| **Semester** | IV | | |
| **Module level** | Bachelor | | |
| **Module Coordinator** | Prof. Dr. Ir. Achmadi Priyatmojo, M.Sc. | | |
| **Lecturer(s)** | 1. Prof. Dr. Ir. Achmadi Priyatmojo, M.Sc.   Dr. Ir. Sri Sulandari, SU   1. Prof. Dr. Ir. Siti Subandiyah, M.Agr.Sc.   Dr. Ir. Sedyo Hartono, SU   1. Prof. Dr. Ir. Susamto Somowiyarjo, M.Sc.   Dr. Suryanti, SP, MP. (Co. Practical)   1. Prof. Dr. Ir. Triwidodo Arwiyanto, M.Sc.   Dr. Ir. Arif Wibowo, M.Agr.Sc.   1. Prof. Dr.Ir. Bambang Hadisutrisno, DAA   Dr. Tri Joko, SP, M.Sc.   1. Prof. Dr. Ir. Achmadi Priyatmojo, M.Sc.   Prof. Dr. Ir. Christanti S, SU.   1. Prof. Dr. Ir . Susamto Somowiyarjo, M.Sc.   Dr. Ir. Arif Wibowo, M.Agr.Sc. | | |
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| **Type of Module** | 1 hour and 40 minutes lecture  Practical | | |
| **Status** | C (compulsory courses) | | |
| **Exam** | Written | | |
| **Number of participants** | 30-44 students | | |
| **Credit Points:** | 2/1 | | |
| **Learning outcomes:**   1. Can distinguish between healthy and diseased plant. 2. Can understand the roles of plant diseases on human life, especially for the crop diseases. 3. Can understand procces and develpoment of plant disease and the interaction between the component of the disease triangle. 4. Can know how to identify plant diseases 5. Can understand the strategies of plant disease management and their risks. | | | |
| **Contents:**  Important of Plant Diseases, Concepts of Plant Disease, Plant Pathogens, Interaction of Plant and Pathogen on the Cell, Tissue and Population of Plant, Effects of Environment on Plant Disease Development, and Examples of important of Plant Diseases. | | | |
| **Which previous course required?** Basic of Crop Protection | | | |
| **Literature:**  1. Agrios, G. 2005. Plant Pathology 5th. Academic Press. Cambrigde. 952p.  2. Haryono, S. 2006. Pengantar Ilmu Penyakit Tumbuhan. Gadjah Mada University Press. Yogyakarta. 754h. | | | |
| **Material provided:** slide presentation | | | |
| **Requirements for exam:** Laboratory works and assigments fullfilment | | | |
| **Teaching method(s):** | | Presentation and Discussion | |
| Workload (hrs).   1. Theoretical of course: 14 time in class 2. Lab work: pres test, laboratory work, report, post test and field work. 3. Home studies:assigment in ELISA program concerning with the weakly topics. | | | |