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| Module Name | Microbiology and Organic Agriculture |
| Module Level, if applicable | Intermediate |
| Code if Applicable | 0210204267 |
| Subtitle, if applicable | - |
| Courses, if applicable | 0210204267 (Microbiology and Organic Agriculture) |
| Semester(s) in which the module is taught | 3 |
| Person responsible for the module | Dr. Ir. Ali Ikhwan, MP. |
| Lecturer | Dr. Ir. Ali Ikhwan, MP. |
| Language | Indonesian |
| Relation to curriculum | Compulsory Courses for undergraduate program in Department of Agrotechnology, Faculty of Agriculture and Animal Science. |
| Type of teaching, contact hours | Lecture, Project, Independent Learning, Lab Work |
| Workload | <ul style="list-style-type: none"> ● Lecture : 2 sks × 50 minutes × 16 weeks ● Project : 2 sks × 60 minutes × 16 weeks ● Independent Learning 2 sks × 60 minutes × 16 weeks ● Lab Work: 1 sks × 170 minutes × 16 weeks |
| Credit points | SKS 3 SCH x (1.5) = 4.5 ECTS |
| Requirements according to the examination regulations | <ol style="list-style-type: none"> 1. Registered in this course 2. Minimum 80% attendance in this course |
| Recommended prerequisites | No prerequisites |
| Module Objectives (Intended learning outcomes) | <p>On successful completion in this course, student should be able to:</p> <ul style="list-style-type: none"> ● Explain the definition of pests and the causes of pests, pest groupings and the role of insects as beneficial for crops ● Understand examples of plant diseases and their importance in plant cultivation, the position of fungi and bacteria among living things and other microorganisms around plants and the position of viruses and nematodes among other living things and microorganisms around plants |
| Module Content | This course explains the concept of plant protection, and the concept of plant disease. Therefore, students know how to prevent and give a solution for the case. |

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| <p>Study and examination requirements and forms of examination</p> | <p>Cognitive: Midterm exam, Final exam, Quizzes, Assignments Psychomotor: Practice Affective: Assessed from the element /variables achievement, namely (a) Contributions (attendance, active, role, initiative, and language), (b) Being on time, (c) Effort.</p> |
| <p>Media employed</p> | <p>Classical teaching tools with white board and power point presentation</p> |
| <p>Recommended Literature</p> | <p>For Class</p> <ul style="list-style-type: none"> C. Compulsory (referensi utama) <ul style="list-style-type: none"> - Soil Microbiology, Ecology and Biochemistry ; Essential Microbiology - Biochemistry ; Essential Microbiology - Plant Microbiology ; Essential Microbiology ; Dasar-dasar Microbiology - Soil Microbiology, Ecology and Biochemistry ; Essential Microbiology ; Dasar-dasar Microbiology |