

**GRAZING MANAGEMENT OF SMALL FARMING SYSTEM**

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Module name:                                          | Grazing Management of Small Farming System                                                                                                                                                                                                                                                                                                                                                                                         |
| Module level, if applicable                           |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Code, if applicable                                   | 23I01120703                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Subtitle, if applicable                               |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Courses, if applicable                                |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Semester(s) in which the module is taught             | 3 <sup>rd</sup> Semester                                                                                                                                                                                                                                                                                                                                                                                                           |
| Person responsible for the module                     | Dr. Rinduwati, S.Pt., MP                                                                                                                                                                                                                                                                                                                                                                                                           |
| Lecturer                                              | Dr. Rinduwati, S.Pt., MP<br>Prof. Dr. Ir. Budiman, MP<br>Marhamah Nadir, SP., M.Si., Ph.D                                                                                                                                                                                                                                                                                                                                          |
| Language                                              | Indonesian Language (Bahasa Indonesia)                                                                                                                                                                                                                                                                                                                                                                                             |
| Relation to curriculum                                | Compulsory                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Type of teaching, contact hours                       | Quiz, Interactive Lecture, Case Study, Group Paper Assignment, Group Presentatation.                                                                                                                                                                                                                                                                                                                                               |
| Workload                                              | For this course, students are required to meet a minimum of 147 hours<br>In one semester, which consist of:<br>27.00 hours for lecture<br>48.00 hours for structured assignments<br>48.00 hours for private study<br>24.00 hours for practicum                                                                                                                                                                                     |
| Credit points                                         | 3 credits                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Requirements according to the examination regulations |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Recommended prerequisites                             |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Module objectives/intended learning outcomes          | 1. Mastering the concept and solving livestock problems based on data, science, and scientific methods (K-02).<br>2. Able to make appropriate decisions in the context of problem solving, based on the results of data and information analysis (GS-02).<br>3. Skilled in managing livestock enterprises (SS-03).                                                                                                                 |
| Content                                               | 1. Types of pastures and grazing methods<br>2. Development and rehabilitation of natural pastures<br>3. Identification of nutrient requirements and soil fertility improvement in pastures<br>4. Pasture development model<br>5. Defoliation and PP ecosystem Weed control<br>6. Stocking rate and tamping capacity<br>7. Sustainable availability of forage Integration of feed crops with agricultural/plantation/forestry crops |

|                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Study and examination requirements and forms of examination |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Media employed                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Reading list                                                | <ol style="list-style-type: none"> <li>1. Humphreys, L.R. 1991. Tropical Pasture Utilization. Cambridge University Press, New York and Melbourne</li> <li>2. Humphreys, L.R. 1981. Environmental Adaptation of Tropical Pasture Plants. Mcmillan Scientific and Medical London.</li> <li>3. Mannelje, L.'t. 1978. The Role of Improved Pastures for Beef Production in The Tropics. Trop. Grassland 12, 1-9</li> <li>4. McLroy, R.J. 1976. Pengantar Budidaya Padang rumput Tropika. Pradnya Paramita, Jakarta</li> <li>5. Reksohadiprojo, S. 1994. Produksi Tanaman Hijauan Makanan Ternak Tropik. BFFE, Yogyakarta.</li> <li>6. Subagyo, I. Dan Kusmartono. 1988. Ilmu Kultur Padangan. Nuffic. Universitas Brawijaya. Malang.</li> <li>7. Susetyo, S. 1980. Padang Penggembalaan. Departemen Ilmu Makanan Ternak Fakultas Peternakan Institut Pertanian Bogor, Bogor.</li> <li>8. Susetyo, I. Kismono dan B. Suwardi. 1981. Hijauan Makanan Ternak. Direktorat Jendral Peternakan Departemen Pertanian, Jakarta</li> <li>9. Whiteman, P.C. 1980. Tropical Pasture Science. Oxford University Press, London.</li> </ol> |