



USK
UNIVERSITAS
SYIAH KUALA

FACULTY OF AGRICULTURE

Department of Animal Science

UNDERGRADUATE PROGRAM

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| Module designation | Practicum for Agrostology |
| Semester(s) in which the module is taught | 2 nd Semester |
| Person responsible for the module | Ir. Mira Delima, M. P |
| Language | Indonesia, English |
| Relation to curriculum | Compulsory module |
| Teaching methods | Lectures, lesson and case |
| Workload | ✓ 170 minutes of laboratory work |
| Credit points | ✓ 1 SKS = 1.6 ECTS |
| Required and recommended prerequisites for joining the module | - |
| Module objectives/ intended learning outcomes | <ul style="list-style-type: none"> ✓ Students are able to understand the scope of agrostology, the role and benefits of green fodder in the fields of animal husbandry and agriculture, the distribution of grass species and fodder legumes, and understand the ecological diversity of various grass species and fodder legumes. ✓ Students are able to understand science and master basic knowledge about the types of green fodder plants which include growth, morphology, distribution, adaptation, production, and nutritional value, as well as the role of these types of green fodder plants in maintaining the sustainability of land ecosystems. ✓ Students are able to understand and identify factors inhibiting the development of green fodder in Indonesia, master knowledge about the origins of grass species and fodder legumes, so that they are able to comprehensively argue in offering solutions for the development of green fodder in Indonesia. ✓ Students have an understanding of the application of the principles of forage garden management, starting from site selection to the selection of planting materials, preparation and processing of land for planting, to fertilization and maintenance as well as forage production measurement techniques in the field. |
| Content | This course is one credit for practice and is offered in the even semester, providing knowledge about the basic understanding of various types of forage plants, including growth, morphology, distribution, adaptation, |



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| | production, and nutritional value, as well as the role of these forage plants in maintaining the sustainability of the land ecosystem. |
| Exams and assesment formats | Disciplined, able to work in a team and assignments |
| Study and exanation requirements | <ul style="list-style-type: none"> a. 10% participative activity b. 50% case project c. 15% midterm examination d. 25% final examination |
| Reading list | <p>Abdul Mollah Jaya, S.P., M.Si. 2021. <i>Modul praktikum Dasar-Dasar Agronomi</i>. Program Studi Agroteknologi, Fakultas Pertanian, Universitas Hasanuddin</p> <p>Jati, P. Z. 2021. <i>Penuntun praktikum mata kuliah Agrostologi</i>. Universitas Pahlawan Tuanku Tambusai.</p> <p>Somanjaya, R. 2023. <i>Agrostologi Klasifikasi, Budi Daya dan Pemanfaatan Tanaman Pakan</i>. Perkumpulan Rumah Cemerlang Indonesia, Jawa Barat.</p> <p>Utomo, R. 2021. <i>Konservasi Hijauan Pakan dan Peningkatan Kualitas Bahan Pakan Berserat Tinggi</i>. UGM Press, Yogyakarta.</p> |