



UNDERGRADUATE PROGRAM

Module designation	Local Livestock Genetic Resources
Semester(s) in which the module is taught	2 nd Semester
Person responsible for the module	Prof. Dr. Ir. Eka Meutia Sari, M. Sc
Language	Indonesia, English
Relation to curriculum	Compulsory module for Agricultural Product Technology StudyProgram
Teaching methods	Direct learning (lectures, questions and answers, discussion and assignments)
Workload	<input checked="" type="checkbox"/> 100 minutes of lecture and discussion per week <input checked="" type="checkbox"/> 120 minutes of structured tasks per week <input checked="" type="checkbox"/> 120 minutes of independent activity per week
Credit points	2 SKS = 3.2 ECTS
Required and recommended prerequisites for joining the module	Genetics (PTK111)
Module objectives/intended learning outcomes	<input checked="" type="checkbox"/> Able to understand and be able to explain the role of local livestock, the meaning of livestock genetic resources, domestication and the formation of livestock nations and their classification. Local livestock <input checked="" type="checkbox"/> Able to explain about local, native and imported livestock, local jungle chickens and chickens, local ducks, local goats and sheep, Acehnese cattle, Balinese cattle, Madura cattle, and PO cattle <input checked="" type="checkbox"/> Able to know about Simeulue buffalo and local buffalo, kayo horses and local horses, conservation of local livestock genetic resources, local livestock breeding, and <input checked="" type="checkbox"/> Local Livestock Breeding Efforts
Content	This course studies the genetic resources of livestock, domestication, the formation of livestock nations and their classification. It also explains about local livestock, native livestock, and imported livestock, including poultry, large ruminants, small ruminants, and non-ruminants, as well as the efforts to breed local livestock.
Exams and assessment formats	Written tests, presentations, assignments



Study and examination requirements	<ol style="list-style-type: none">1. 10% participative activity2. 25% case project3. 15% quizzes4. 20% midterm examination5. 30% final examination
Reading list	<p>Hartatik, T. 2021. Analisis Genetik Ternak Lokal. Gadjah Mada University Press, Yogyakarta.</p> <p>Hartatik, T. 2021. Dasar Analisis Genetik Pada Kambing dan Domba. Gadjah Mada University Press, Yogyakarta.</p> <p>Masduqi, Sari, E. M and Abdullah, M. A. 2021. Identifikasi Sifat Kuantitatif dan Sifat Kualitatif pada Sapi Aceh Dalam Rangka Pelestarian Sumber Daya Genetik Ternak Lokal. Jurnal Agripet, 21(2), pp.141-148.</p> <p>Sari, E. M., & Abdullah, M. A. N. 2020. <i>Sumber daya genetik ternak lokal kerbau Simeulue</i>. Syiah Kuala University Press. ISBN 978-623-2641-32-7</p>