



**USK**  
UNIVERSITAS  
SYIAH KUALA

# FACULTY OF AGRICULTURE

## Department of Animal Science

### UNDERGRADUATE PROGRAM

Module designation	Local Livestock Genetic Resources
Semester(s) in which the module is taught	2 <sup>nd</sup> 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	<ul style="list-style-type: none"> <li>✓ 100 minutes of lecture and discussion per week</li> <li>✓ 120 minutes of structured tasks per week</li> <li>✓ 120 minutes of independent activity per week</li> </ul>
Credit points	2 SKS = 3.2 ECTS
Required and recommended prerequisites for joining the module	Genetics (PTK111)
Module objectives/ intended learning outcomes	<ul style="list-style-type: none"> <li>✓ 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</li> <li>✓ 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</li> <li>✓ Able to know about Simeulue buffalo and local buffalo, kayo horses and local horses, conservation of local livestock genetic resources, local livestock breeding, and</li> <li>✓ Local Livestock Breeding Efforts</li> </ul>
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



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Study and exanation requirements	<ol style="list-style-type: none"><li>1. 10% participative activity</li><li>2. 25% case project</li><li>3. 15% quizzes</li><li>4. 20% midterm examination</li><li>5. 30% final examination</li></ol>
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., &amp; 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>