



**USK**  
UNIVERSITAS  
SYIAH KUALA

# FACULTY OF AGRICULTURE

## Department of Animal Science

### UNDERGRADUATE PROGRAM

Module designation	Disaster and Environmental Knowledge
Semester(s) in which the module is taught	2 <sup>nd</sup> Semester
Person responsible for The module	Team Of University Syiah Kuala
Language	Indonesia, English
Relation to curriculum	Compulsory module for Animal Science Study Program
Teaching methods	Lecture, interactive discussion, and focus group discussion
Workload	<ul style="list-style-type: none"> <li>✓ 100 minutes lecture and discussion per week</li> <li>✓ 120 minutes structured tasks per week</li> <li>✓ 120 minutes learn to be independent per week</li> </ul>
Credit points	2 SKS = 3.2 ECTS
Required and recommended prerequisites for joining the Module	-
Module objectives/intended learning outcomes	<ul style="list-style-type: none"> <li>✓ Students are able to understand the basic principles and paradigms of disaster management in Indonesia.</li> <li>✓ Students are able understand the basic theory of disaster risk analysis,</li> <li>✓ Students are able to analyze a disaster case from various scientific perspectives (multidisciplinary), and</li> <li>✓ Students are able to understand the relationship between disasters and the environment.</li> </ul>
Content	This course provides students with insight and introduction to basic principles disaster risk reduction and its relationship to environmental conditions in an area that has the potential for disaster. The main focus of the lecture material is understanding of the important elements of disaster risk reduction that must be taken into account in sustainable development planning in areas that are prone to disasters (can focus on the most dominant disasters) and/or experiencing environmental damage (including issues climate change)
Examination and assesment formats	Multiple choice, essay, article paper, and oral presentation.
Study and examination requirements	<ul style="list-style-type: none"> <li>✓ 20% Seminar</li> <li>✓ 20% Quis</li> <li>✓ 30 % midtest examination</li> <li>✓ 30 % final examination</li> </ul>
Reading list	Harijoko, Agung, Diana Puspitasari, Irfani Prabaningrum, Kirana P. Prastika, & Nurisa F. Wijayanti. (2021). <i>Manajemen Penanggulangan Bencana dan Pengurangan Risiko Bencana di Indonesia</i> . Yogyakarta: UGM Press.



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	<p>Deny Helard (2025). <i>Manajemen Bencana pada Infrastruktur Lingkungan (Seri Infrastruktur Air Minum)</i>. Universitas Andalas.</p> <p>Sudasman, Fuad H., Viyan S. Achmad, Abdul Chalid, et al. (2025). <i>Manajemen Bencana dalam Konteks Perubahan Iklim (Climate Change)</i>. Media Sains Indonesia.</p> <p>Yasinta Rakanita, Zefan Adiputra Golo, Tri W. Sukesi, &amp; tim. (2023). <i>Manajemen Bencana</i>. Cetakan Desember 2023, ISBN 978-623-195-716-0</p>
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