



**Course Module**  
**Department of Animal Science**  
**Faculty of Animal Science**  
**Universitas Brawijaya**

Module Name	Animal Feed Industry
Module Level	Undergraduate Program
Code	PEN60011
Subtitle	-
Course	Animal Feed Industry
Semester (s)	6
Person Responsible for the module	Dr.Ir.Eko Widodo,M.Agr.Sc.MSc
Lecturer	Eko Widodo, Dr. Ir. M.Agr.Sc., MSc. Siti Chuzaemi, Prof. Dr. Ir., MS. IPU.ASEAN Eng Hartutik, Prof. Dr. Ir., MP. IPU ASEAN Eng Kusmartono, Prof. Dr. Ir. Osfar Sjojfan, Dr. Ir. M.Sc. IPU ASEAN Eng Mashudi, Dr. Ir. M.Agr.Sc. IPM Marjuki, Dr. Ir., M.Sc Irfan H. Djunaidi, Dr. Ir., M.Sc. IPM M. Halim Natsir, Dr. Ir. S.Pt., MP. IPM Yuli Frita Nuningtyas, S.Pt., MSc. MP
Language	Indonesian language
Relation to curriculum	Study Program: Animal Science Specialization: Animal Nutrition and Food Type: Compulsory/ <del>Non-Compulsory</del>
Type of teaching, contact hours	
Workload	a. Lecture: 14 meetings*100 minutes b. Practicum of 150 minutes/meeting c. Independent learning: 16 times*150 minutes Course 90.67 hours/semester, practical 42,50 hours/semester
Credit points	3 credits / 5.10 ects
Requirements according to the examination regulations	-
Recommended prerequisites	-

<p>Module objectives/intended learning outcomes</p>	<p><b>ILO:</b>  ILO 4: Capability to develop knowledge and comprehensive mindset based on Animal science and industry  ILO 12: Capability to ethically design and perform experiments, analyze and interpret data as to provide sustainable problem solving in Animal Science  ILO 13: Capability to implement technology in Animal Science to increase productivity, efficiency, quality and sustainability based on breeding, nutrition, processing, management as well as to organize an entrepreneurship concept and a sustainable production system</p>
	<p><b>Objetives:</b> The course discusses the strategic role and development of the feed industry in Indonesia, procurement and quality control of feed raw materials, feed industry building and equipment, feed industry layout, linear program application in the feed industry, feed formulation using software, logistics and distribution management, feed production processes, quality control of finished feed, marketing of feed industry products, organizational structure of feed industry, and feasibility studies and regulations of the feed industry.</p>
	<p><b>Knowledge:</b> able to recognize and understand the strategic role and development of the feed industry 2. Describe the production process in the feed industry</p>
	<p><b>Skills</b>  Cognitive: able to Design and make the feed mill layout   Phsycomotoric: practical feed formulation using software</p>
	<p><b>Competences:</b> Student able to design feed mill and using the software feed formulations</p>
<p>Content</p>	<ol style="list-style-type: none"> <li>1. Strategic role and development of the feed industry in Indonesia</li> <li>2. Procurement and quality control of feed raw materials</li> <li>3. Buildings and equipment for the feed industry</li> <li>4. The layout of the feed industry</li> <li>5. Application of linear program in the feed industry</li> <li>6. Feed formulation using software</li> <li>7. Logistics and distribution management</li> <li>8. Feed production process</li> </ol>

	<p>9. Quality control of the finished feed  10. Marketing of feed industry products  11. Feed industry organizational structure  12. Feasibility Study and feed industry regulations</p>
<p>Study and examination requirements and forms of examination</p>	<p>A minimum attendance of 80% to take the Final Exam  Multiple Choice/Essay/Group Presentation/etc.</p> <p>Midterm Exam: 30%  Final Exam: 30 %  Practicum: 20%  Structured Assignments:5 %  Quiz:5%  Presentation:10%</p> <p>A : 80 &lt; Final Score ≤ 100  B+ : 75 &lt; Final Score ≤ 80  B : 69 &lt; Final Score ≤ 75  C+ : 60 &lt; Final Score ≤ 69  C : 55 &lt; Final Score ≤ 60  D : 50 &lt; Final Score ≤ 55  D+ : 44 &lt; Final Score ≤ 50  E : 0 &lt; Final Score ≤ 44</p>
<p>Media employed</p>	<p>E-module, win feed program, video, ub feed software, Powerpoint, reference book, video, laptop, LDD</p>
<p>Reading list</p>	<p>-</p>