

UNDEGRADUATE PROGRAM

MODULE HANDBOOK

Module Designation	Management of Feed Industry
Semester (s) in which the module is taught	6 th Semester
Person responsible for the module	Prof. Dr. Ir. Samadi, M. Sc.
Language	Indonesia, English
Relation to curriculum	Elective Course
Teaching methods	Lecture, discussion, project learning
Workload	<ul style="list-style-type: none"> 100 minutes of lecture and discussion per week 120 minutes of structured tasks per week 120 minutes of independent activity per week
Credit Point	2 SKS = 3,2 ECTS
Required and recommended prerequisites for joining the module	Feedstuffs Science
Modules objectives/intended learning outcomes	<ul style="list-style-type: none"> Understand the profile of feed mills in Indonesia and government policies related to Feed Understand the feed industry and processing technology and animal feed fabrication process. Understand the logistics of receiving, processing, packaging, storage and distribution of feed. Understand the computation and formulation of feed based on quality and price in the feed industry. Feed quality is related to SPS (Sanitary Phyto Sanitary) SNI standards and international standards (Codex Alimentarius Commission). Understand factories, production machines and equipment, warehouses.

Content	This course covers the fundamentals of management, feed technology, and the animal feed industry, including fabrication technology, production planning, computation, and feed production equipment. It also addresses supporting aspects related to operational management of feed mills, logistics, raw material procurement, feed marketing, and factors influencing the success and failure of businesses in the feed industry. The course is organized into several modules and complemented with practical sessions involving industries located both around the campus and in other regions.
Exams and assessment methods	Practical, Project-based learning, discussion
Study and examination requirements	Participative active 20% Laboratory work 20% Project-based learning 50% Quiz 10%
Reading list	<ol style="list-style-type: none"> 1. Jaelani, A. 2021. Proses Produksi dan Uji Kualitas Fisik Pada Industri Pakan. Zukzez Express. Kalimantan Selatan. 2. Nasution, A. A., Matondang, N., & Ishak, A. (2022). Inventory Optimization Model Design with Machine Learning Approach in Feed Mill Company. <i>Jurnal Sistem Teknik Industri</i>, 24(2), 254–272. 3. Fitria, H., Widyaningrum, D. H., Malik, R., Safutra, N. I., & Herdianzah, Y. (2022). To Optimization Of Chicken Feed Production Using Goal Programming Method At PT. Japfa Comfeed Indonesia Tbk. Unit Makassar. <i>Journal of Industrial System Engineering and Management</i>, 1(1), 1–5. 4. Animal Feed Science and Technology. (2020). Future directions of animal feed technology research to meet the challenges of a changing world. <i>Animal Feed Science and Technology</i>, 270, 114692.