UNDERGRADUATE PROGRAM   **MODULE HANDBOOK**

Module designation	DAIRY INDUSTRY MANAGEMENT
Semester(s) in which the module is taught	*7th semester*
Person responsible for the module	Dr. Ir. Dzarnisa, M. Si.
Language	Indonesian
Relation to curriculum	Compulsory module for Animal Science Program
Teaching methods	Lecture, lesson, case
Workload (incl. contact hours, self-study hours)	▪ 100 minutes of lecture and discussion per week ▪ 120 minutes of structured tasks per week ▪ 120 minutes of independent activity per week
Credit points	2SCH x (1.6) = 3.2 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Students will be able to understand the basic concepts of dairy industry management, including technical, social, economic, and environmental aspects, while prioritizing professional ethics and sustainability. 2. Students will be able to analyze issues in the dairy industry, such as production efficiency, resource management, and environmental sustainability, and develop recommendations for solutions based on science and technology and managerial principles. 3. Students will be able to organize and develop collaborative networks among industry players, demonstrating effective communication skills and an ethical and professional attitude in dairy industry management.
Content	This course provide learning about understanding of the basic concepts of dairy industry management, including technical, social, economic, and environmental aspects, while prioritizing professional ethics and sustainability. This course also learning about analyzing issues in the dairy industry, such as production efficiency, resource management, and environmental sustainability, and develop recommendations for solutions based on science and technology and managerial principles.
Exams and assessment formats	Essay, case study
Study and examination requirements	51,7 % casemethod 6,7 % quiz 16,7 % assignment 8,3 % midterm examination 16,7 % final examination

Reading list	Main References
	1. Rahmana, A., Daryanto, A., & Jahroh, S. (2018). Sustainability strategies of Indonesian mega-dairy farm business: A case of Greenfields Indonesia. *Jurnal Manajemen & Agribisnis, 15*(2), 162.
	2. Khasanah, H., Syaifudin, F., & Widianingrum, D. C. (2024). Evaluation of dairy cows' farm management and health in several regencies in East Java Province. *Jurnal Veteriner, 24*(4), 431–441.
	3. Okoth, E., Ochieng, L., Njehu, A., Gebreyohanes, G., & Rao, J. O. (2024). *Dairy cattle herd health management manual for animal health service providers*. Nairobi, Kenya: International Livestock Research Institute.
	4. Journal of Dairy Science Editorial Team. (2024). *The DairyPrint model: A decision-support model to help dairy farmers and other stakeholders towards improved sustainability*. *Journal of Dairy Science*. Advance online publication.