

**UNDERGRADUATE PROGRAM**

**MODULE HANDBOOK**

Module designation	PRACTICUM FOR DAIRY INDUSTRY MANAGEMENT
Semester(s) in which the module is taught	7 <sup>th</sup> semester
Person responsible for the module	Dr. Ir. Dzarnisa, M. Si.
Language	Indonesian
Relation to curriculum	Compulsory module for Animal Science Program
Teaching methods	Practice and Lecture
Workload (incl. contact hours, self-study hours)	Structured Practicum: Introduction to Theory: 1 x 50' x 16 times Exercise: 1 x 50' x 16 times Practicums: 2 x 50' x 16 times Homework: 1 x 60' x 16 times ▪ Self-study: 2 x 60' x 16 times
Credit points	1SCH x (1.6) = 1.6 ECTS
Required and recommended prerequisites for joining the module	Have pass or are currently taking Dairy Industry Management courses
Module objectives/intended learning outcomes	<ol style="list-style-type: none"> <li>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.</li> <li>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.</li> <li>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.</li> </ol>
Content	<p>This practices and 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.</p> <p>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</p>
Exams and assessment formats	<ul style="list-style-type: none"> <li>- Presence: 10 - 15 minutes, before practices.</li> <li>- Pretest</li> <li>- Activities and mastery of practical material</li> <li>- Final report and final exam</li> </ul>

Study and examination requirements	Presence (10%) Pretest (10%) Practice (30%) Final Report (20%) Final exam (30%)
Reading list	<p>Main References</p> <ol style="list-style-type: none"> <li>1. Rahmana, A., Daryanto, A., &amp; Jahroh, S. (2018). Sustainability strategies of Indonesian mega-dairy farm business: A case of Greenfields Indonesia. <i>Jurnal Manajemen &amp; Agribisnis</i>, 15(2), 162.</li> <li>2. Khasanah, H., Syaifudin, F., &amp; Widianingrum, D. C. (2024). Evaluation of dairy cows' farm management and health in several regencies in East Java Province. <i>Jurnal Veteriner</i>, 24(4), 431–441.</li> <li>3. Okoth, E., Ochieng, L., Njehu, A., Gebreyohanes, G., &amp; Rao, J. O. (2024). <i>Dairy cattle herd health management manual for animal health service providers</i>. Nairobi, Kenya: International Livestock Research Institute.</li> <li>4. Journal of Dairy Science Editorial Team. (2024). <i>The DairyPrint model: A decision-support model to help dairy farmers and other stakeholders towards improved sustainability</i>. <i>Journal of Dairy Science</i>. Advance online publication.</li> </ol>