Appendix 4.1

Module Name	**Dairy Ruminant Production Management**
Module Level, if applicable	Advance
Code if Applicable	20354689
Subtitle, if applicable	-
Courses, if applicable	20354689, Dairy Ruminant Production Management
Semester(s) in which the module is taught	Semester V
Person responsible for the module	Prof. Dr. Ir. Sujono, Mkes
Lecturer	1. Prof. Dr. Ir. Sujono, MKes 2. Drh. Imbang Dwi Rahayu, M.Kes. 3. Dr. Ir. Sutawi, MP., 4. Ali Mahmud,S.Pt.,MPt.
Language	Indonesian
Relation to curriculum	Compulsory Courses for undergraduate program in Department of Animal Science Faculty of Agriculture and Animal Science
Type of teaching, contact hours	Type of teaching: Online class, Practical and Presentation Contact hours : 7 hours x 14 weeks
Workload	Class : 4 hours x 14 weeks = 56 hours Practical class : 3 hours x 14 weeks = 14 hours Examination 2 hours x 2 time = 4 hours Total: 74 hours
Credit points	SKS 7 SCH x (1.4) = 9.8 ECTS
Requirements according to the examination regulations	1. Registered in this course 2. Minimum 80% attendance in this course
Recommended prerequisites	Graduated from PIP, Biology, Dairy Ruminant Production Basics, Animal Health Sciences, Nutrition and Animal Feed Sciences Courses
Module Objectives (Intended learning outcomes)	On successful completion of the Master Thesis, students should be able to: 1. Students are able to analyze dairy ruminant production management concepts based on various comprehension 2. Students are able to Adept in studying, presenting, and giving reccomendations 3. Studying theories, discuss, and analyze science articles/research results individually and responsibly

	In accordance to academical values, norms and ethics.
Module Content	This course is discusses about management of dairy ruminants. Production management of dairy ruminants includes: Business development and management of dairy cattle, maintenance of calf and a billy, rearing of cattle from cattle to pregnancy, rearing of adult cattle (male and brood), reproductive management, sanitation and housing, identification, handling and control of disease in livestock dairy ruminants, Evaluation and analysis of dairy goats and dairy cattle, Dairy Marketing Models in Indonesia (Cooperatives, independent), and Discussion of the journal results of dairy cattle research.
Study and examination requirements and forms of examination	**Cognitive:** Midterm exam, Final exam, Quizzes, Assignments **Psychomotor:** Practice **Affective:** Assessed from the element /variables achievement, namely (a) Contributions (attendance, active, role, initiative, and language), (b) Being on time, (c) Effort.
Media employed	Classical teaching tools with white board and power point presentation
Recommended Literature	For Class A. Compulsory 1. Sujono. Budidaya sapi perah , 2002 2. Schmidt, G.H., et.al., Priciples of dairy Science, W.H. Freeman and Company, san Francisco 1974 3. Henderson, H.O., et al., Dairy Catle Feeding and Management. 4th edition., John Willey & sons, INC., New York London 1960 4. McDowell. R.E. et.al. Improvement of Livestock Production in Warm Climates. W.H. Freeman and Company, san Francisco B. Option Sudono A. Beternak sapi perah secara intensif., Agromedia Pustaka 2003 2. Alim. A.F, HIDAKA, T. Pakandan Tata Laksana Sapi perah. Japan International Cooperation Agency, 2002. For Practical Class A. Compulsory 1. Sujono. Budidaya sapi perah , 2002

	2. Schmidt, G.H., et.al., Priciples of dairy Science, W.H. Freeman and Company, san Francisco 1974 3. Henderson, H.O., et al., Dairy Catle Feeding and Management. 4th edition., John Willey & sons, INC., New York London 1960 4. McDowell. R.E. et.al. Improvement of Livestock Production in Warm Climates. W.H. Freeman and Company, san Francisco B. Option Sudono A. Beternak sapi perah secara intensif., Agromedia Pustaka 2003 2. Alim. A.F, HIDAKA, T. Pakandan Tata Laksana Sapi perah. Japan International Cooperation Agency, 2002.
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