

Module Name	Quality Control and Assurance
Module Level	Undergraduate Study Program of Animal Science
Code	PET60011
Subtitle	-
Courses	Quality Control and Assurance
Semester (s)	5
Person responsible for the module	Prof. Dr.Ir. Lilik Eka Radiati MS.
Lecturer	1. Prof. Dr.Ir. Lilik Eka Radiati MS.
	2. Dr. Ir. Purwadi, MS.
	3. Prof. Dr. Ir. Djalal Rosyidi, MS
	4. Dr. Ir. Imam Thohari, MP.
	5. Dr. Agus Susilo, S.Pt., MP.
	6. Dr. Ir. Mustakim, MP.
	7. Dr. Khotibul Umam Al-Awwaly, S.Pt., M.Si.
	8. Dr. Ir. Manik Erry Sawitri, MP.
	9. Dr. Abdul Manab, S.Pt, MP
	10. Dr. Herly Evanuarini, SPt., M.P.
	11. Dr. Dedes Amertaningtyas, S.Pt, MP
	12. Dr. Premy Puspitawati Rahayu, S.Pt, MP
	13. Ria Dewi Andriani, S.Pt, M.Sc
	14. Mulia Winirsya Apriliyani, S.Pt, MP
Language	Indonesian language and English
Relation to Curriculum	Study Program: Animal Science
	Specialization: Animal Science
	Type: Compulsory
Type of Teaching, Contact	Lecture: 100 minutes/meeting
Hours	Independent Study: 150 minutes/meeting
Workload	Course 90.67 hours/semester
	Practical 42.50 hours/semester
	Lecture: 14 meetings*100 minutes
	Independent Study: 16 meetings*150 minutes
Credit points	Course 2 credits or 3.40 ECTS
	Practical 1 credits or 1.70 ECTS
Requirements According to the	Attendance > 80%
Examination Regulations	Final Score > 44
	The final score component:
	1) Midterm Exam 25%
	2) Final Exam 25%
	3) Practical 25%
	4) Assignments 15%



	5) Quiz 5%
	6) Activeness 5%
Recommended Prerequisite	Introduction to Animal Product Technology, Animal Product Handling
Module Objectives / Intended Learning Outcomes	 Capability to analyse the development and implementation of technology through humanities, ethical and scientific value as to provide appropriate solutions and ideas (LO 5) Proficient in biology, physiology, animal nutrition, breeding, farm management, and implementation in Animal Science (LO 6) Capability to perform an independent, standardization, measurable, effective, efficient and sustainable work (LO 7). Objectives: The objective of Quality Control and Assurance course are to understand the quality, classification, quality components, quality policies, including codex, ISO-9000, SNI, and GMP (Good Manufacturing Practices), Assessment of permissible (halal), expired, organoleptic food quality control and quality control of
	types of raw materials and processed products. Knowledge: Able to recognize and understand the quality management system
	and standardization in the field of animal science
	Skills Cognitive able to understand the standardization and management system in animal science Phsycomotoric able to analyze the application of HACCP and compilation of quality assurance plan
	Competences 1. Know and understand the quality standardization in the field of animal science 2. Understand the quality management system including ISO 9000, ISO 14000, and ISO 22000 3. Analyze the application of Hazard Analysis Critical Control Point (HACCP) and monitoring the HACCP system. 4. Provide skills in making the Compilation of Quality Assurance Plans and compiling ISO documents.
Content	Scope of teaching material 1. Development of the quality system 2. Indonesian National Standard (SNI) 3. Veterinary Control Number (VCN) 4. Quality management system - SNI ISO 9001:2015



Study and Examination	 5. Environmental management system - ISO 14000 6. Food safety management system - ISO 22000 7. Permissible (halal) product guarantee system 8. Determining the shelf life - Examination requirements: A minimum attendance of 80% to
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Requirements and Forms of	take the Final Exam
Examination	The forms of the test: Multiple Choices/Essay/Group
	The final score component:
	1) Midterm Exam 25%
	2) Final Exam 25%
	3) Practicum 25%
	4) Assignments 15%
	5) Quiz 5%
	6) Activeness 5%
	A: 80 < Final Score ≤ 100
	B+ : 75 < Final Score ≤ 80
	B: 69 < Final Score ≤ 75
	C+ : 60 < Final Score ≤ 69
	C:55 < Final Score ≤ 60
	D: 50 < Final Score ≤ 55
	D+ : 44 < Final Score ≤ 50
	E: 0 < Final Score ≤ 44
Media Employed	Projector and screens, Zoom application, VLM, Google Classroom,
,	e-book, WA Group
Reading List	British Retail Consortium (BRC) Global Standard for Food
	Safety: Issue 5. TSO. Norwich, United Kingdom.
	2. Mudambi, S.R., S.M. Rao and M.V. Rajagopal. 2006. Food
	Science. New Age International Publishers. Newdelhi.
	3. Toldra, F. 215. Handbook of Fermented Meat and Poultry.
	2nd Ed. Wiley Blackwell. UK.
	4. Arvanitoyannis, I.S., 2009. HACCP and ISO 22000 Application
	to Food of Animal Origin. First Edition. Wiley Blackwell. USA
	5. Pieternel A. Luning, W. J. Marcelis, W. M. F. Jongen. 2002.
	Food Quality Management: A Techno-managerial Approach.
	Wageningen Academic Publishers, 2002 - 323 page.
	6. Dhanasekharan Natarajan. 2017. ISO 9001 Quality
	Management Systems (Management and Industrial
	Engineering) 1st ed. 2017 Edition Springer.
	7. Bizmanualz. 2008. ISO 22000 Standard Procedures for Food
	Safety Management Systems. Bizmanualz, Inc. 392 page.

