

STAFF HANDBOOK

Name / Nama	Prof.Rr. Sri Rachma Aprilita Bugiwati, M.Sc., Ph.D
Position / Bidang keilmuan	Livestock Raising
Academic career / Riwayat Pendidikan	S1 - Department of Animals Science, Faculty of Animal Husbandry - Universitas Padjadjaran (1986-1993) S2 – Magister of Animal Breeding, Faculty Agriculture, Miyazaki University, Japan (1996-1998) S3 - Doctor of of Animal Breeding, Faculty Agriculture, Kagoshima University, Japan (1998-2001)
Employment / Pekerjaan	Lecturer at Faculty of Animal Husbandry, Hasanuddin University
Research and development projects over the last 5 years / Riwayat penelitian 5 tahun terakhir	1. Historical genetic impact of Indian ocean routes for small/medium livestock 2. Production of hybrid local ducks from pekin and local crosses as superior broiler ducks for university innovation products (Chief Researcher) 3. Polymorphism association study of genes controlling growth traits and disease resistance in local chickens crossed by bangkok-kalosi (bkg) and pelung- allope (pap) Identification of carcass quality and fatty acid profile of duck meat from grading up crosses between peking and local ducks allope (pap) 4. Identification of carcass quality and fatty acid profile of duck meat from grading up crosses between peking ducks and local South Sulawesi 5. Expression Profile of Fatty Acid Control Genes and Meat Quality in Kampung Chickens by Deep RNA Sequencing Method 6. Production of superior local village chicken seedlings "allope" through in ovo feeding technology and crossing four local chicken breeds 7. JSPS KAKENHI- B (International Joint Research to Elucidate the propagation of Domestic Animals Across the Indian Ocean)

	8. Identification of carcass quality and fatty acid profile of duck meat from grading up crosses between Peking ducks and local South Sulawesi (Chief Researcher) 9. Expression Profile of Fatty Acid Control Genes and Meat Quality in Hometown Chickens by Deep RNA Sequencing Method 10. Selection of Growth Traits, Feed Efficiency and Disease Resistance Based on DNA Markers and Deep RNA Sequencing to Produce New Breeds of Superior Broiler Hometown Chicken (Allope Chicken Breed) 11. Identification of carcass quality and fatty acid profile of F2 generation duck meat from grading up crosses between Peking duck and local South Sulawesi 12. Genetic characterization of Indonesian local goats based on whole genome mtDNA sequencing 13. Selection of Growth Traits, Feed Efficiency and Disease Resistance Based on DNA Markers and Deep RNA Sequencing to Produce New Breeds of Superior Broiler Hens (Allope Chicken Breeds) 14. Phenotypic Character Identification of Grouse (<i>Dendrocygna javanica</i>) based on Meat Quality Traits 15. Genetic Diversity and Structure of Indonesian Local Goat Based on Single Nucleotide Polymorphism (SNP) and Microsatellite (SSR) DNA Markers 16. Genetic Comparison Between Malaysian Katjang Goat with Indonesian Kacang Goat Using Microsatellite DNA Markers
Industry collaborations over the last 5 years / Kolaborasi dengan industry 5 tahun terakhir	CV. Alfatih Farm
Patents and proprietary rights / Paten dan HKI	
Important publications over the last 5 years / Publikasi penting 5 tahun terakhir	● Phenotype characteristics of Gaga chicken from Sidrap regency, South Sulawesi ● Genetics polymorphisms of INHA in local goat populations in south-west sulawesi region of indonesia ● Genetic Characterization of Lakor and Kacang Goats from The Eastern Part of Indonesia Based on ND2 and ND5 Mitochondrial Gene Genetic Variation

	● Genetic Characterization of Indonesian Local Chicken Based on Whole mtDNA Genome Sequencing ● Genetics polymorphisms of INHA in local goat populations in south-west sulawesi region of indonesia ● Indonesian native goats (<i>Capra hircus</i>) reveal the highest genetic frequency of mitochondrial DNA haplogroup B in the world. ● Crowing characteristics of native singing chicken breeds in Indonesia ● Identification performance of quantitative traits of Marica goats in Maros and Jeneponto regencies ● A Portable Cattle Tagging Based on Muzzle Pattern ● Production of black soldier flies (<i>Hermetia illucen</i>) maggot to the chicken feces media level ● The nutritional value of black soldier flies (<i>Hermetia illucen</i>) as poultry feed ● Comparison of carcass and non-carcass characteristics of Local and Pekin ducks ● Cytochrome B (Cyt B) mtDNA genetic diversity of the second filial (F2) of Banteng Bali cross in UPT-PTHPT Pucak, South Sulawesi Indonesia ● Geographical contrasts of Y-chromosomal haplogroups from wild and domestic goats reveal ancient migrations and recent introgressions (VarGoats Consortium) ● Study of Kosta goat (<i>Capra hircus</i>) mitochondrial DNA and their phylogenetic based on whole genome sequencing ● Growth Traits and Carcass Characteristics of Kalosi Chicken Selected Based on Residual Feed Intake (RFI) Phenotype ● Morphology characteristics comparison of f1 and f2-backcross of local and pekin ducks in Indonesia ● Revealing the complete mtDNA genome sequence of Cemani chicken (<i>Gallus gallus</i>) by using Nanopore sequencing analysis
Activities in specialist bodies over the last 5 years / Aktifitas berkaitan dengan bidang keahlian dalam 5 tahun terakhir (contoh: menjadi narasumber, tenaga ahli dll.)	1. Presenter at ICAST 3rd (3rd Nov 2020) 2. Presenter at IOP Conference Series: Earth and Environmental Science 3. Presenter at ICAST 4th (9th November 2021) 4. Presenter at ICAST 5th (3-4 May 2023) 5. Presenter at ICAPFS (7-8 sept 2023)