

STAFF HANDBOOK

Name / Nama	Prof. Dr. Ir. Ambo Ako, M.Sc. IPU
Position / Bidang keilmuan	Dairy Farm Management
Academic career / Riwayat Pendidikan	S1 - Department of Animals Science, Faculty of Animal Husbandry - Hasanuddin University (1983-1988) S2 - Magister of Grassland Science, Faculty of Agriculture - Universitas Miyazaki, Jepang (1993-1995) S3 – Doktor of Grassland Science, Faculty of Agriculture - Universitas Kagoshima, Jepang.
Employment / Pekerjaan	Lecturer at Faculty of Animal Husbandry, Hasanuddin University
Research and development projects over the last 5 years / Riwayat penelitian 5 tahun terakhir	<ul style="list-style-type: none"> ● Introduction of Leguminous, Brachiaria Decumbens Grass, Alley Cropping Model as Post-Mining Land Phytoremediation for Ruminant Feed. (Member) ● Utilization of Eggshell Meal Extract as a Mineral Source for Friesian Holstein Dairy Cows (Team Leader) ● Increased milk production of dairy cows through the provision of green concentrate to substitute the use of commercial concentrates ● Performance, Blood Calcium Levels, and Macro Mineral Quality of Friesian Holstein Cow Milk Supplemented with Eggshell Meal Extract as a Mineral Source (Team Leader) ● Production of super livestock forage through Growth Booster: Auxin and Plant-Growth Promoting Rizobacteria to support forage availability for Bali Polled cows ● Reducing the incidence of negative energy balance of early lactation dairy cows by feeding green concentrate ● Evaluation of Blood Biochemical Levels of Friesian Holstein Dairy Cows Fed UMMB Substituting Molasses Filler with Cocoa Pulp ● Increasing Milk Production of Friesian Holstein Dairy Cows by Feeding Green Concentrate with Microencapsulated Kappa- Carrageenan

	<ul style="list-style-type: none"> ● PERFORMANCE AND BLOOD BIOCHEMIA OF FRIESIAN HOLSTEIN Dairy PEDDINGS WITH VARIOUS TYPES OF FODDER AS FORAGE STARTER ● Reducing the Incidence of Negative Energy Balance of Friesian Holstein Dairy Cows Through Identification of Critical Time and Green Concentrate Feeding
Industry collaborations over the last 5 years / Kolaborasi dengan industry 5 tahun terakhir	<ul style="list-style-type: none"> ● PT. HAI in the development of a Mixcop Machine with a capacity of 20 tons / day ● BRIN in the Development of Super Forage
Patents and proprietary rights / Paten dan HKI	<ul style="list-style-type: none"> ● Feed Formulation to Improve Milk Production and Quality of Dairy Cows ● Concentrate Feed Formulation Containing Egg Shell Flour to Improve Milk Production and Quality of Friesian Holstein Dairy Cows ● Concentrate Feed Formulation Containing Cocoa Pulp for Balinese Cattle Fattening Performance
Important publications over the last 5 years / Publikasi penting 5 tahun terakhir	<ul style="list-style-type: none"> ● Evaluation of the Utilization of Cocoa Pulp in Feed Concentrate on the Hematological Parameter of Bali Cattle. ● Characteristics of Bali Bull (<i>Bos Sondaicus</i>) Sexed Sperms with Freeze Dry Egg White at Different Incubation Time ● Profile of Cholesterol, Glucose, and Urea of Bali Cattle Under Different Dry Lot Fattening Period by Concentrate Containing Cocoa Pulp ● Profile of Serum Transaminase in Bali Cattle Supplemented by Concentrate Containing Cocoa Pulp Under Different Rearing Periods ● Performance of Bali Cattle Under Different Dry Lot Fattening Periods by Concentrated Feed Containing Cocoa Pulp ● Hematological Levels of Bali Cattle under Different Rearing Management Periods that Fed Concentrate Containing Cocoa Pulp ● The effect of leaf meal in supplements on milk yield and quality of Friesian Holstein dairy cows

- Effect of Natural Adhesive Tapioca Meal on the Quality of Urea Molasses Multinutrient Block
- Performa Estrus dan Hormon Estrogen Sapi Friesian Holstein Postpartus yang Diberi Urea Multinutrient Molasses Block (UMMB) dengan Perekat Tepung Tapioka
- Eco-Friendly Eggshell Meal on Milk Yield and Quality of Holstein Friesian Cows
- Assessing Genetic Variability in M2 Mutants of *Leucaena tarramba* Though RAPD Molecular Markers
- Botanical Composition and Yields of Forages in Natural Pastures Using Principal Component Analysis and Cluster Dendrogram in South Sulawesi, Indonesia
- Performance, Physiological Status, and Heat Tolerance of Holstein Friesian Dairy Cows at Different Lactation
- Production Performance and Milk Quality of Holstein Friesian Dairy Cow with the Utilization of Eggshell Meal Extract as a Source of Minerals
- Hormone prolactin concentration, milk production performance and milk quality of Holstein Friesian dairy cows supplementing the diet with various levels of mung bean sprouts
- Effects of Plant Growth-Promoting Rhizobacteria and Seedling Density on Morphologic Characteristics and Nutrient Content of Corn Fodder
- Enhancing Milk Yield and Quality of Holstein Friesian through Special Formulation Urea Molasses Multinutrient Block
- Milk Production and Blood Health in Ettawa Crossbred Goats with the Substitution of Cassava (*Manihot Utilissima*) Leaves in Feed
- Physiological Response of Holstein Friesian Supplemented with UMMB Containing Natural Adhesive
- Investigating the Impact of Supplementation with Urea Molasses Multi-Nutrient Block (UMMB) Containing Organic Adhesives on the Performance, Milk Quality and Blood Metabolic Profile of Holstein Friesian Cows
- Evaluating Green Concentrate on Physiological and Metabolic Blood Profile of Friesian Holstein Cows in Negative Energy Balance
- The Value of Hematocrit, Hemoglobin, and Lymphocytes of Lactating Friesian Holstein with Supplementation of Urea Molasses MultiNutrient Block Containing Cement Substituted by Tapioca Meal
- Heavy Metal Residue in Milk of Holstein Friesian Dairy Cows Supplemented by Urea Molasses Multi-Nutrient Block Containing Cement Substituted by Tapioca Meal

	<ul style="list-style-type: none"> ● Optimizing calf growth performance and nutrient digestibility with whey dangke-enriched green calf starter (fodder-based proteins) in Holstein Friesian ● Utilization of layers by-products as a feedstuff for milk production and quality of dairy cows in South Sulawesi, Indonesia ● Economic Feasibility and Growth Performance of Holstein Friesian Calves Fed Whey-Dangke Fortified Green Calf Starter
<p>Activities in specialist bodies over the last 5 years / Aktifitas berkaitan dengan bidang keahlian dalam 5 tahun terakhir (contoh: menjadi narasumber, tenaga ahli dll.)</p>	<ul style="list-style-type: none"> ● Presenter pada The 5th International Conference of Animal Science and Tecnology ● Presenter pada The 3nd International Conference of Enviroment and Sustainable Development