

STAFF HANDBOOK

Name / Nama	Dr. Agr. Ir. Renny Fatmyah Utamy, S.Pt. M. Agr. IPM.
Position / Bidang keilmuan	Dairy Feed Management
Academic career / Riwayat Pendidikan	S1 - Department of Animals Science, Faculty of Animal Husbandry - Hasanuddin University (1991-1996) S2 - Magister of Grassland Science, Faculty of Agriculture - Universitas Miyazaki, Jepang (2007-2009) S3 – Doktor of Grassland Science, Faculty of Agriculture - Universitas Kagoshima, Jepang (2010-2013)
Employment / Pekerjaan	Lecturer at the Faculty of Animal Husbandry, Hasanuddin University
Research and development projects over the last 5 years / Riwayat penelitian 5 tahun terakhir	● Introduction to Legumes, Brachiaria Decumbens Grass, Alley Cropping Model as Phytoremediation of Post-Mining Land for Ruminant Feed. (Member) ● Utilization of Eggshell Flour Extract as a Source of Minerals for Friesian Holstein Dairy Cattle Feed (Chair) ● Increasing milk production in dairy cows through the use of green concentrate to substitute commercial concentrate ● Performance, Blood Calcium Levels, and Macro Mineral Quality of Friesian Holstein Cow Milk Supplemented with Eggshell Powder Extract as a Mineral Source (Team Leader) ● Super forage production through Growth Booster: Natural growth regulators auxin and plant-growth-promoting rhizobacteria to support forage availability for Bali Polled cattle ● Reducing negative energy balance in early lactation dairy cows through green concentrate supplementation

	● Evaluation of Blood Biochemical Levels in Friesian Holstein Dairy Cows Fed UMMB Substituting Molasses Filler with Cocoa Pulp ● Increasing Milk Production in Friesian Holstein Dairy Cows through Green Concentrate Feed with Kappa-Carrageenan Microencapsulation Technology ● PERFORMANCE AND BLOOD BIOCHEMISTRY OF FRIESIAN HOLSTEIN DAIRY CALVES WITH VARIOUS TYPES OF FODDER AS FORAGE STARTER ● Reducing Negative Energy Balance in Friesian Holstein Dairy Cows Through Identification of Critical Time and Administration of Green Concentrate
Industry collaborations over the last 5 years / Kolaborasi dengan industry 5 tahun terakhir	● PT. HAI in the development of a 20-ton/day Mixcop machine ● BRIN in the development of Super Forage
Patents and proprietary rights / Paten dan HKI	● Concentrated Feed Formulation Containing Eggshell Powder to Increase Milk Production and Quality in Friesian Holstein Dairy Cows ● Concentrated Feed Formulation Containing Cocoa Pulp for Bali Cattle Fattening Performance
Important publications over the last 5 years / Publikasi penting 5 tahun terakhir	● 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 ● Estrus Performance and Estrogen Hormone Levels in Postpartum Friesian Holstein Cows Fed Multinutrient Molasses Block (UMMB) with Tapioca Starch Binder ● Eco-Friendly Eggshell Meal on Milk Yield and Quality of Holstein Friesian Cows ● Assessing Genetic Variability in M2 Mutants of <i>Leucaena tarramba</i> 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 (<i>Manihot Utilissima</i>) Leaves in Feed
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	● 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 ● 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
Activities in specialist bodies over the last 5 years / Aktifitas berkaitan dengan bidang keahlian dalam 5 tahun terakhir (contoh: menjadi narasumber, tenaga ahli dll.)	● Presenter pada The 3nd International Conference of Animal Science and Technology ● Presenter pada The 5th International Conference of Animal Science and Tecnology ● Presenter pada The 3nd International Conference of Enviroment and Sustainable Development