STAFF HANDBOOK

Name / Nama	Erni Damayanti
Position / Bidang keilmuan	Animal physiology Reproduction
Academic career / Riwayat Pendidikan	1. Bachelor of Animal Science / Faculty of Animal Science, Hasanuddin University, Indonesia From September 2018 to August 2019 Research Topic: Influence of the Use of Vegetable Fat and Yellow Pumpkin Ratio on Physical Quality of Ice Cream. 2. Master of Agricultural Science System/ Hasanuddin University, Indonesia From September 2018 to August 2019 Thesis Research Topic: Study Of Bali Cattle Embryos to Produce Embryos Suitable For Transfer In Vitro 3. Ph.D of Agricultural Science / Hasanuddin University, Indonesia From September 2019 - December 2022 Disertation Research Topic: Study Of Bali Cattle Embryos To Produce Embryos Suitable For Transfer In Vitro
Employment / Pekerjaan	Lecturer
Research and development projects over the last 5 years / Riwayat penelitian 5 tahun terakhir	1. 2025: Multi-Omic Study on Feed Innovation to Support Precision Breeding of Superior Balinese Cattle Breeders Year 1 (3 Years Funding) RIIM Competition Wave 7) 2. 2025: Protein profile of seminal plasma on reproductive performance of dairy goat studs (PDPU-Unhas) 3. 2025: Metabolomic Analysis in Bali Cattle through Gas Chromatography-Mass Spectrometry (GC-MS) Approach to Feed, Blood and Semen Plasma in Improving Reproduction and Animal Production (Indonesian Collaborative Research) 4. 2024: Identification and Characterization of Immature and Mature Bali Cow Oocytes Cells and Proteins in

	Vitro through Cryo-Electron Tomography (Cryo-ET) and Cryo- Electron Microscopy (Cryo-EM) Approaches (RIIM Collaborative Platform Biomolecular Structure Biology Biodiversity) 5. 2024: Proteomic-based Study of Proteins in Follicular Fluid and Oocytes of Bali Cattle (PFK-LPPM Unhas) 6. 2023: Cryopreservation of Bali Cattle Oocytes through Vitrification Technique (PFK-LPPM Unhas) 7. 2022: Frozen semen (straw) from the selection of superior hornless (polled) Balinese cattle studs (Prototype Grant of Higher Education) 8. 2021: Improving the quality of Balinese cattle embryos in vitro to produce transferable embryos (PKPI PMDSU-Dikti) 9. 2019-2022: Improving the quality of Balinese cattle embryos in vitro to produce transferable embryos (PMDSU grant Dikti)
Industry collaborations over the last 5 years / Kolaborasi dengan industry 5 tahun terakhir	-
Patents and proprietary rights / Paten dan HKI	-
Important publications over the last 5 years / Publikasi penting 5 tahun terakhir	1. A comparative study of intramuscular versus epidural administration of follicle-stimulating hormone for embryo production in Wagyu Cattle Open Veterinary Journal 15 (5), 2013/2025 2. Effects of glutathione on oocyte and embryo development in in vitro fertilization. Asian Pacific Journal of Reproduction 14/1/ 2025 3. Quality of Polled Bali Bull Spermatozoa Results from Sexing Using the Bovine Serum Albumin (BSA) Column Method

	International Journal of Chemical and Biochemical Sciences 25/19/2024 4. Potential for Developing Rabbit Farming Business in Salokaraja Village, Lalabata District, Soppeng Regency Agriculture and Socio-Economic Journal 1/2/2024 5. Comparative developmental competence of in vitro embryos recovered from Bali cattle with normal and poor sperm motility. Veterinary World 17/3/2024 6. Epidermal Growth Factor (EGF) and Basic Fibroblast Growth Factor (FGF2) Profiles in Follicular Fluid, Maturation Media and Embryo Culture of Bali Cattle Advances in Animal and Veterinary Sciences.11/9/2023 7. Apoptosis in Bali Cattle Embryo Cells Produced In Vitro World's Veterinary Journal, 4/2022 8. The role of antioxidants in improving the quality of bovine embryos produced in vitro Online Journal of Animal and Feed Research 12/6/2022 9. Developmental Ability and Concentration of Hydrogen Peroxide in Bali Cattle Embryos Cultured In Vitro Pakistan Journal of Zoology 1/9/2022 10. Strategies to increase growth early embryo stages of bovine in achieving blastocysts in vitro: A ReviewIOP Conf. Series: Earth and Environmental Science 492/2020 11. Effects Of Zinc Supplementation On Reproductive Performance In Cattle: A Review. Jurnal Bioteknologi dan Biosains Indonesia 12(1):PP163-170
Activities in specialist bodies over the last 5 years / Aktifitas berkaitan dengan bidang keahlian dalam 5 tahun terakhir (contoh: menjadi narasumber, tenaga ahli dll.)	Postdoctoral at Animal Repronomics Research Group, Research Center for Applied Zoology, National Research and Innovation Agency, Bogor (2023-2024)