

STAFF HANDBOOK

Name / Nama	Dr. Sri Gustina, S.Pt., M.Si
Position / Bidang keilmuan	Reproductive biology
Academic career / Riwayat Pendidikan	S1 - Department of Animal Science, Faculty of Animal Husbandry - Hasanuddin University (2003-2008) S2 - Master of Reproductive Biology, Bogor Agricultural University (2008-2010) S3 - Doctor of Reproductive Biology; Bogor Agricultural University (2012-2017)
Employment / Pekerjaan	Lecturer at Faculty of Animal Husbandry, Hasanuddin University
Research and development projects over the last 5 years / Riwayat penelitian 5 tahun terakhir	● Identification of specific proteins as fertility biomarkers in cows based on proteomics in follicular fluid (Chair) ● Identification of Fertility Associated Antigen (FAA) Proteins in Bali Cow Semen: Implications for Semen Quality and Fertilization Ability (Member) ● Physiological, Hematological, and Blood Biochemical Status, and Implications for Semen Quality of Polled Bali Cattle (Chair) ● Quality and Validity Test of Sexed Polled Bali Cattle Semen Based on Molecular Verification (Member) ● Growth Performance and Physiological Status of Friesian Holstein Dairy Calves Supplemented with Legume and Whey-Dangke-Based Calf Starter (Member) ● Performance, Blood Calcium Level, and Macro Mineral Quality of Milk of Friesian Holstein Cows Supplemented with Eggshell Meal Extract as Mineral Source (Member) ● Super Livestock Forage Production through Growth Booster: Natural Growth Regulators Auxin and Plant-Growth Promoting Rizobacteria to Support Forage Availability for Polled Bali Cattle (Member)

	● Production of frozen semen of polled Balinese cattle in supporting the production of superior beef cattle seeds (Member) ● Production of frozen semen of polled Balinese cattle (Member) ● Potential of Balinese Cattle Ovaries from Abattoirs with Different Reproductive Status as Oocyte Source for In Vitro Embryo Production (Member)
Industry collaborations over the last 5 years / Kolaborasi dengan industry 5 tahun terakhir	
Patents and proprietary rights / Paten dan HKI	● PROTEIN G3X800 (ENSBTAP00000046312) AS FERTILITY BIOMARKA IN PLASMA SEMEN SAPI BALI (Hasbi, Muhammad Ihsan A. Dagong, Zulkharnaim, Sri Gustina, Tulus Maulana, Syahrudin ● PREGNANCY DETECTION IN GOATS USING USG (La Ode Rahman Musawa, Wahniyati Hatta, Raden Roro Sri R.A. Bugiwati, Hasbi, Ambo Ako, Zulkharnaim, Sri Gustina, Syahriana Sabil). ● SOP FOR PROCESSING GOAT LORAN INTO COMPOSED PUPUK (Syahriana Sabil, Fatma, Lellah Rahim, Renny Fatmyah Utamy, Wempie Pakiding, Muhammad Ihsan Andi Dagong, Hajrawati, La Ode Rahman Musawa, Sri Gustina).
Important publications over the last 5 years / Publikasi penting 5 tahun terakhir	● Hydrogen peroxide concentration and DNA fragmentation of buffalo oocytes matured in sericin-supplemented maturation medium (S. Gustina, N.W.K. Karja, H. Hasbi, M.A. Setiadi, I. Supriatna) ● Review: Comparative of monitoring estrus cycle in livestock: Hormonal features and ultrasound (Hasbi Hasbi, Sri Gustina) ● Effect of FSH dan PMSG additions on maturation and fertilization rates of Bali cattle oocytes (Hasbi Hasbi, Herry Sonjaya, Andi Arya Pawarekki, Sri Gustina) ● Insulin-Like Growth Factor-I (IGF-I) in reproductive system of female – a review (Hasbi Hasbi, Sri Gustina) ● Characteristics of libido and testosterone concentration of polled and horned Bali bulls after GnRH injection (Hasbi H, Sonjaya H, Baco S, Amalia R, Gustina S)

	● Motilitas dan Viabilitas Spermatozoa Sapi Bali Polled dan Bertanduk pada Setiap Tahapan Proses Pembekuan (Sri Gustina, Hasbi Hasbi, Herry Sonjaya, Sudirman Baco, Abdul Latief Toleng, Mutmainna Mutmainna, Sitti Farida) ● The Concentration of Hydrogen Peroxide, Percentage of Motility, Viability, Plasma Membrane Integrity, and Abnormality of Frozen Semen of Horned and Polled Bali Bulls (Hilya Miftahul Uswa, Herry Sonjaya, Sri Gustina, Hasbi Hasbi) ● Oocytes Population and Development Competence of Bali Cattle Embryo In Vitro with Different Ovarium Reproductive Statuses (H. Hasbi, H. Sonjaya, S. Gustina) ● Comparison of Fresh and Cryopreserved Semen Quality of Polled and Horned Bali Bulls (H. Hasbi, M.I.A. Dagong, Z. Zulkharnain, S. Baba, H. Sonjaya, S. Baco, S. Gustina, T. Maulana, M. Gunawan, P.P. Agung, N. Herlina, N.D. Yanthi, E.M. Kaiin, S. Said) ● Performance of Bali calves resulting from artificial insemination with frozen Limousin and Simmental Semen (Sri Gustina, Darling, Agustina, Hasbi Hasbi) ● The effect of PGF2α injection to Bali cows on the success rate of artificial insemination (Sri Gustina, Fantri, Besse Mahbuba We Tenri Gading, Mutmainna Mutmainna and Hasbi Hasbi) ● Reproductive Performance of Pig Based on Age of the Sows and Litter Size (Sri Gustina, Nopriadi Sambo Pasau, Hendro Sukoco, Hasbi Hasbi) ● Measurement of reproductive performance of Etawa-crossed goats managed in JK community (Sri Gustina, Suhardi, Besse Mahbuba We Tenri Gading, Hassani and Hasbi Hasbi) ● Fresh and Frozen Semen Quality of Horned and Polled Bali Bulls (Suharni Suharni, Herry Sonjaya, Hasbi Hasbi, Sudirman Baco, Sri Gustina, Siti Farida) ● ct of Heat Stress on the Physiological and Hematological Profiles of Horned and Polled Bali Cattle (Sukandi Sukandi, Djoni Prawira Rahardja, Herry Sonjaya, Hasbi Hasbi, Sudirman Baco, Sri Gustina, Kirana Dara Dinanti Adiputra) ● Spermatozoa Quality of Polled Bali Cattle after Feeding Supplemented Taoge (<i>Phaseolus radiatus</i> L.) (Sri Gustina, Hasbi Hasbi, Herry Sonjaya, Sudirman Baco,
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	Husnul Qhatimah, Wandu Saputra, Mutmainna Mutmainna, Ekayanti Mulyawati Kaiin, Tulus Maulana) • Estrus Performance and Estrogen Hormone of Postpartum Friesian Holstein Cows Fed Urea Multinutrient Molasses Block (UMMB) with Tapioca Starch Adhesive (Hasbi Hasbi, Zyahrul Ramadan, Renny Fatmyah Utamy, Ambo Ako, Masturi Masturi, Sri Gustina, Tasya Tasya, Rara Mufliha, Andi Fitri Nurbina, Andi Mutfaidah, Rio Saputra, I Dewa Ayu Mahayani, Mutmainna Mutmainna, Andi Arif Rahman, Siti Annisa Sukri) • Semen Quality of Horned and Polled Bali Bulls Treated with Bean Sprout (<i>Phaseolus radiatus</i> L.) Supplemented Feeding (Sri Gustina, Hasbi Hasbi, Zulkharnaim Zulkharnaim, Herry Sonjaya, Sudirman Baco, Siti Nuraisya Hamsir, Mutmainna Mutmainna, Husnul Qhatimah and Siti Farida) • Production Performance and Milk Quality of Holstein Friesian Dairy Cow with the Utilization of Eggshell Meal Extract as a Source of Minerals (S Silvi, A Ako, R F Utamy, F Maruddin, S Gustina, K Umpuch) • Seminal plasma protein profiles based on molecular weight as biomarkers of sperm fertility in horned and polled Bali bulls (Rasyidah Mappanganro, Herry Sonjaya, Sudirman Baco, Hasbi Hasbi, Sri Gustina) • Correlation of the Quality of Sexed-Spermatozoa of Polled Bali Bull and Protein Molecular Weight (Andi Tifal Nurgina, Sudirman Baco, Herry Sonjaya, Ratmawati Malaka, Sri Gustina, Erni Damayanti, Ekayanti Mulyawati Kaiin, Tulus Maulana, Muhammad Gunawan, Hasbi Hasbi) • Effects of Plant Growth-Promoting Rhizobacteria and Seedling Density on morphologic Characteristics and Nutrient Content of Corn Fodder (Renny Fatmyah Utamy, Ambo Ako, Syahdar Baba, Zulkharnaim, Sri Gustina, Laode Alhamd, Indrawirawan, Aulia Uswa Noor Khasanah, Arif Rahman, Siti Annisa Sukri, Rara Mufliha, Zyahrul Ramadan, Purnama Isti Khaerani) • Hematological and serum biochemical profiles at the time of artificial insemination based on pregnancy outcomes in repeat breeder beef cows (Fika Yuliza Purba, Muhammad Ayub, Muhammad Rizky Trimulya Putra, Dwi Kesuma
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	Sari, Muhammad Ardiansyah Nurdin, Andi Ariyandy, Muhammad Muflih Nur, Irwan Ismail, Sri Gustina , Subaedy Yusuf)
Activities in specialist bodies over the last 5 years / Aktivitas berkaitan dengan bidang keahlian dalam 5 tahun terakhir (contoh: menjadi narasumber, tenaga ahli dll.)	• Being a resource person at The 2nd International Conference of Animal Science and Technology (ICAST) 2019 • Being a resource person at The 2nd International Conference of Animal Science and Technology (ICAST) 2019 • Being a resource person at The 3rd International Conference of Animal Science and Technology (ICAST) 2020 • Being a resource person at The 3rd International Conference of Animal Science and Technology (ICAST) 2020 • Being a resource person at The 4rd International Conference of Animal Science and Technology (ICAST) 2021 • Being a resource person at The 4rd International Conference of Animal Science and Technology (ICAST) 2021 • Being a resource person at Indonesian Biotechnology Consortium 2023