# Staff Handbook

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| Name | *Prof. Dr. Ir. Kustantinah., DEA., IPU.* | | |
| Post | *Ruminant Nutrition* | | |
| Academic career | *Professional Engineering (IPU)* | *Universitas Gadjah Mada* | *2018* |
| | *Professor (Prof)* | *Universitas Gadjah Mada* | *2009* |
| | *Doctorate* | *Institut National Polytechnique de Lorraine I France* | *1992* |
| | *Graduate degree* | *Institut National Polytechnique de Lorraine I France* | *1989* |
| | *Undergraduate degree* | *Universitas Gadjah Mada* | *1984* |
| Employment | *Professor* | *Universitas Gadjah Mada* | *2009-present* |
| | *Associate Professor* | *Universitas Gadjah Mada* | *2004-2009* |
| | *Assistant Professor* | *Universitas Gadjah Mada* | *2001-2004* |
| Research and development projects over the last 5 years | *Research projects:*<br>1. *The use of Additional Feed Sources of Protein Based By Product Agro-Industry in Kacang Goats. (2021)*<br>2. *The use of Soy Bean Meal and Jackfruit Leaves as a Source of Protein in Total Mixed Ratio (TMR) to Increase Productivity of Thin Tailed Sheep (2021)*<br>3. *Protein Sources on Productivity of Young Female Ettawa Crossbreeds (2021)*<br>4. *The use of feed sources of Protein for increasing productivity of Kacang Goats. (2021)*<br>5. *By Passed Energy for Ruminants: Use of Fat Protection as an Energy Source for Fattening Thin Tail Sheep (2020)*<br>*Source of Funds: Final Project Recognition, Universitas Gadjah Mada*<br>6. *Energy and Protein Balance of Bligon Goats Weaning and Weaning Free Growth Periods in Different Genotypes of the MC4R Gene (2020)*<br>*Source of Funds: Doctoral Dissertation Research, PTNBH-Kemenristekdikti*<br>7. *Application of the MC4R Gene Marker as the Basis for Selection of Bligon Goats and Etawah Crossbreeds based on Growth Characteristics and Feed Consumption (2020-2022)*<br>*Source of Funds: PTUPT, PTNBH- Kemenristekdikti*<br>8. *Development of Tropical Feeds: Estimation of Metabolized Energy in Tropical Feeds Based on Production of Fermented Gases in the Rumen (2020)*<br>*Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada* | | |

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| | 9. *The Use of Nano-encapsulation of Ketapang Leaf Extract in Drinking Water and Its Effect on Growth Performance, Intestinal Health, and Broiler Chicken Meat Quality (2020)*<br><br>*Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada*<br><br>10. *Use of Total Mixed Ration Containing High Protein and Anthelmintic Agents in Sheep Eko Thin (2020)*<br><br>*Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants*<br><br>11. *Potential Exploration of Various Forage-Based Animal Feed Protein Sources as Alternative Feed to Increase Productivity of Bean Goats as Germplasm in Indonesia: Effects of Using Kaliandra Leaves (Calliandra Calothyrsus) as Sub (2019)*<br><br>*Source of Funds: Final Project Recognition Program, Universitas Gadjah Mada*<br><br>12. *Simulation of Increasing Livestock Productivity in Extensive Care: Nutritional Status of Thin Tail Sheep Infected with Parasites Due to Increased Frequency of Forage Provision (2019)*<br><br>*Source of Funds: Final Project Recognition Program, Universitas Gadjah Mada*<br><br>13. *Energy and Protein Balance of Bligon Goats Weaning and Weaning Free Growth Periods in Different Genotypes of the MC4R Gene (2019)*<br><br>*Source of Funds: Doctoral Dissertation Research, Ristekdikti*<br><br>14. *Efforts to Increase Ruminant Livestock Productivity by Utilizing Feed Strategies as Natural Anthelmintic Agents (2019)*<br><br>*Source of Funds: Research by Young Lecturers, Universitas Gadjah Mada*<br><br>15. *The Effect of Tropical Forage Tenin on the Production of Fermented Gas (2019)*<br><br>*Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada*<br><br>16. *The Effect of Supplementation of Energy and Protein Sources of Ration on Body Condition Scores and Reproductive Appearance of Young Female Ettawa Crossbreeds (2019)*<br><br>*Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants*<br><br>17. *Efforts to Increase Productivity of Peanut Goats as Indonesian Germplasm Through a Comprehensive Approach to Feed and Maintenance: Use of non-degradable ruminant protein source feed and high Digestible Intestine Protein combined with feed that has anthelmintic agent properties (2018)*<br><br>*Source of Funds: Leading Higher Education Applied Research (PTUPT), Ristekdikti* |

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| | 18. *Evaluation of the Use of Forage in Peanut Goats in the Jatikuning Women's Farmer Group, Gunungkidul, Yogyakarta (2018)*<br><br>*Source of Funds: Internal Laboratory Fund, Faculty of Animal Science Universitas Gadjah Mada*<br><br>19. *Development of Bioanthelmintic Functional Feeds: Use of Forage Azadirachta indica as Bioanthelmintics in Thin-Tailed Sheep and Gardens at Rojo Koyo Gama Mandiri Cooperative (2018)*<br><br>*Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants*<br><br>20. *Nutritional Status of Peanut Goats that Get Supplementary Feed from Plant Nitrogen Sources (2018)*<br><br>*Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada*<br><br>21. *Detection of Single Nucleotide Polymorphism Melanocortin 4 Receptor Gene and Its Relationship to Growth Traits and Feed Nutrient Intake in Bligon Goats (2018)*<br><br>*Source of Funds: Masters Education Research towards Doctorate for Superior Bachelors- PMDSU, Ristekdikti*<br><br>22. *Efforts to Increase Productivity of Peanut Goats as Indonesian Germplasm through a Comprehensive Approach to Feed and Maintenance: Use of Ruminally Undegraded Protein Source Feed and High Digestible Intestine Protein Combined with Feed With Anthelmintic Agent Characteristics (Leader of 3 Researchers) (2016)*<br><br>*Source of Funds: PUPT DIKTI*<br><br>23. *Development Pattern of Bligon Goat Agro-Industry Based on Core Plasma: Feasibility Study for Establishing Bligon Goat-Based Economic Zone (Member of 4 Researchers) (2016)*<br><br>*Source of Funds: PUPT DIKTI*<br><br>24. *Detection of Single Nucleotide Polymorphism Melanocortin 4 Receptor Gene and Its Relationship to Growth Traits and Feed Nutrient Intake in Bligon Goats (Member of 4 Researchers) (2016)*<br><br>*Source of Funds: PMDSU, Ristekdikti*<br><br>25. *Phytobiotic Nano-Particle Supplementation and Its Effect on Intestinal Pathogenic Microbial Populations and Growth Performance and Quality of Broiler Chicken Meat (Member of 7 Researchers) (2016)*<br><br>*Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada*<br><br>26. *Digestibility Values in Sacco and in Vitro and Characteristics of Complete Feed Rumen Fermentation from Industrial Waste of Remang Fish Crackers (Congresox talabon) as Alternative Feed Protein Source (Member of 5 Researchers) (2016)*<br><br>*Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants* |

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| | *Community Service over the last 5 years*<br>1. *The development of Kacang Goats in the Women's Farmer's Group, Gunungkidul Regency, Yogyakarta (2015-Now).*<br>2. *The Rumah Sajadah Santri-preneur Program: Strengthening the Independence of Islamic Boarding Schools Through development of Livestock (2021).*<br>3. *Proud to be a Successful Breeder during the Covid-19 Pandemic (2020)*<br>*Source of Funds: Faculty of Animal Science, Universitas Gadjah Mada*<br>4. *Utilization of "Leaf Meal" as a Source of Protein in the Development of Peanut Goats in Wonolagi Hamlet, Playen District, Gunungkidul (2020)*<br>*Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada*<br>5. *Introduction of Total Mixed Ration (TMR) for Peanut Goat Development at KWT Sumber Rejeki, Wonolagi, Ngleri, Playen Gunungkidul (2019)*<br>*Source of Funds: Faculty of Animal Science, Universitas Gadjah Mada*<br>6. *Application of Alfafa (Medicago sativa L.) as Diversification of Forage Sources for Animal Feed for Ettawa Crossbreed Goats in the Women Farmers Group (KWT) Gama Turgo Lestari, Turgo, Pakem, Sleman, Yogyakarta (2019)*<br>*Source of Funds: Faculty of Animal Science, Universitas Gadjah Mada*<br>7. *Free Lecture Speaker: For You Farmers, We Serve "Quality Animal Feed" (2019)*<br>*Source of Funds: Faculty of Animal Science, Universitas Gadjah Mada*<br>8. *Utilization of "Natural Anthelmintic" as Antiparasitic in Ruminant Farms in Banyusoco Village, Playen, Gunungkidul (2018)*<br>*Source of Funds: Assisted Village Grants, BPPTN BH*<br>9. *Guidance of KWT Gama Ngudi Lestari (Beat Goat Breeding) (2018)*<br>*Source of Funds: Self Funded*<br>10. *Development of Combination of Odot Grass and Calliandra calothyrsus at Sumber Rejeki KWT, Wonolagi, Ngleri, Playen, Gunung Kidul (2018)*<br>*Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada*<br>11. *Guidance of KWT Gama Turgo Lestari (Daily Goat Breeding) (2018)*<br>12. *Development of Bligon Goats as business capital for breeders in Jatikuning Hamlet, Gunungkidul Regency Yogyakarta and Ngelosari and Kembangsari Hamlets, Bantul Regency Yogyakarta (2016 to 2018)*<br>*Source of Funds: UGM-Rotary Club of Yogyakarta Cooperation* |

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| | 13. *Application of Matched Feed to Ettawa Crossbreed Goats (PE) in Tanon Hamlet, Ngrawan Village, Getasan District, Salatiga, Central Java (2016)*<br><br>*Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada* |
| Industry collaborations over the last 5 years | 1. *Bank Indonesia Representative Office East Java Province (Cooperation of Livestock Cluster Guidance and Assistance in East Java) (2022-2024)* |
| Patents and proprietary rights | - |
| Important publications over the last 5 years | *Total number of publications: 61*<br><br>1. *Nutrient consumption and digestibility in Garut sheep fed with elephant grass and pollard bran (T W Ningrum, C Hanim*, L M Yusiati, **Kustantinah**, B P Widyobroto) (2022)*<br><br>*Publisher: IOP Conference Series: Earth and Environmental Science Volume 951 (2022) 012047 pp. 1-8 pISSN: 1755-1307, eISSN: 1755-1315.*<br><br>2. *The Effect of Protected Lemuru Fish Oil Supplementation on In Vivo Nutrient Digestibility and Sheep Blood Profile (Ratri Ratna Dewi*, **Kustantinah**, Muhlisin) (2022)*<br><br>*Publisher: Buletin Peternakan 46 (1): 1 -6, February 2022 ISSN-0126-4400/E-ISSN-2407-876X*<br><br>3. *The Effect of Flushing Premating with Spirulina Platensis Supplementation on Ewes Postpartum Estrus (Diahanvika Tri Sarvinda, Sigit Bintara, I Gede Suparta Budisatria, **Kustantinah** and Endang Baliarti*) (2022)*<br><br>*Publisher: Buletin Peternakan 46 (1): 31 -35, February 2022ISSN-0126-4400/E-ISSN-2407-876X*<br><br>4. *In Vitro Digestibility and Rumen Fermentation of Sargassum sp. Seaweed with Different Drying Methods and Palatability in sheep (Agustinus Paga, Ali Agus, **Kustantinah**, I Gede Suparta Budisatria) (2021)*<br><br>*Publisher: Advances in Biological Sciences Research, Volume 18 Proceedings of the 9th International Seminar on Tropical Animal Production (ISTAP 2021)*<br><br>5. *Secondary Metabolites of Saponin and Tanin in Trembesi (Samanea saman) and Potential as Ruminant Feed (Ahimsa Kandi Sariri, **Kustantinah**) (2021)*<br><br>*Publisher: Advances in Biological Sciences Research, Volume 18 Proceedings of the 9th International Seminar on Tropical Animal Production (ISTAP 2021)* |

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| | 6. *Nitrogen Balance of Thin Tailed Sheep with the Addition of Soybean Meal and Artocarpus heterophyllus in Pennisetum purpureum cv. Mott as Basal Feed (Wahyu Setyono, **Kustantinah**, Lies Mira Yusiati, Bambang Suwignyo, Nafiatul Umami) (2021)*<br><br>*Publisher: Advances in Biological Sciences Research, Volume 18 Proceedings of the 9th International Seminar on Tropical Animal Production (ISTAP 2021)*<br><br>7. *Nitrogen Supplementary Feeding with Energy Sources Concentrated in Ettawa Crossbreed Does (**Kustantinah**, R N Khoirunnisa, Diah Tri Widayati, Ismaya Ismaya, Ristianto Utomo, Fajar Ajimukti Atmojo) (2021)*<br><br>*Publisher: Advances in Biological Sciences Research, Volume 18 Proceedings of the 9th International Seminar on Tropical Animal Production (ISTAP 2021)*<br><br>8. *The Effect of Litter Size on Ewe and Their Lamb Performances under Intensive Management System (Diahanvika Tri Sarvinda, Sigit Bintara, I Gede Suparta Budisatria, **Kustantinah Kustantinah,** Endang Baliarti) (2021)*<br><br>*Publisher: Advances in Biological Sciences Research, Volume 18 Proceedings of the 9th International Seminar on Tropical Animal Production (ISTAP 2021)*<br><br>9. *The Effects of NaOH Treatment and Drying Method of the Protected Lemuru Fish Oil on in Vitro Fermentation Gas Production (Dewi, R.R., **Kustantinah**, Muhlisin) (2021)*<br><br>*Publisher: IOP Conference Series: Earth and Environmental Science, 2021, 686(1), 012041*<br><br>10. *The Estimation of Metabolizable Energy Using an Analysis of Ruminal Fermented Gas Production in Protected Lemuru Fish Oil (**Kustantinah**, Dewi, R.R., Muhlisin) (2021)*<br><br>*Publisher: IOP Conference Series: Earth and Environmental Science, 2021, 686(1), 012042*<br><br>11. *Review: The Effect of Protected Lemuru Fish Oil in Total Mixed Ration of Thin-Tailed Sheep (Dewi, R.R., **Kustantinah**., Muhlisin) (2021)*<br><br>*Publisher: IOP Conference Series: Earth and Environmental Science, 2021, 662(1), 012027*<br><br>12. *The evaluation bypasses energy based on in vitro gas production digestibility and palatability (Dewi, R.R., Muhlisin., **Kustantinah**) (2021)*<br><br>*Publisher: IOP Conference Series: Earth and Environmental Science, 2021, 667(1), 012011*<br><br>13. *Effect of Leucaena leucocephala and corn oil on ruminal fermentation, methane production, and fatty acid profile: An in vitro study (Irawan, A., Noviandi, C.T., **Kustantinah**, Widyobroto B.P., Astuti, A., Ates, S.) (2021)* |

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| | *Publisher: Animal Production Science, 2021, 61(5), pp. 459–469*<br><br>14. *Identification of MC4R gene markers in Bligon goats with single and twin birth type (Kurniawati, N., Latifah, **Kustantinah**, K., Yulianto, M.D.E., Hartatik, T.) (2021)*<br><br>*Publisher: IOP Conference Series: Earth and Environmental Science, 2021, 667(1), 012074*<br><br>15. *Genotyping and Chi-Square Analysis of 967 bp Leptin Gene in Bligon Goat (Hartatik, T., Latifah, Yuliana, R., **Kustantinah**, A.) (2020)*<br><br>*Publisher: IOP Conference Series: Earth and Environmental Science, 2020, 478(1), 012019*<br><br>16. *Polymorphism of MC4R gene associated with feed intake, nutrient digestibility, ADG, and FCR at post-weaning in Bligon goats (Latifah, L., Maharani, D., **Kustantinah**, K., Hartatik, T.) (2020)*<br><br>*Publisher: Journal of the Indonesian Tropical Animal Agriculture, 2020, 45(3), pp. 173–180*<br><br>17. *Evaluation use of Calliandra calothyrsus substituted soybean meal supplement on feed nutrient intake and digestibility in the kacang goat (Atmojo, F.A., Suhartanto, B., Zulfa, I.H., **Kustantinah**, K.) (2020)*<br><br>*Publisher: Key Engineering Materials, 2020, 840 KEM, pp. 107–112*<br><br>18. *Degradation of nitrogen fraction in kacang goats feed supplementation Calliandra calothyrsus substituted soybean meal (**Kustantinah**, K., Suhartanto, B., Indarto, E., Zulfa, I.H., Atmojo, F.A.) (2020)*<br><br>*Publisher: Key Engineering Materials, 2020, 840 KEM, pp. 118–123*<br><br>19. *In vitro anthelmintic activity of kersen leaf (Muntingia calabura) infusion against to Haemonchus contortus worm (Sakti, A.A., **Kustantinah**,, Nurcahyo, R.W., Baliarti, E., Suwignyo, B.) (2020)*<br><br>*Publisher: IOP Conference Series: Earth and Environmental Science, 2020, 462(1), 012005*<br><br>20. *Effect of drying method on physical-chemical characteristics and amino acid content of tropical alfalfa (Medicago sativa L.) hay for poultry feed (Suwignyo, B., Mustika, A., **Kustantinah**, Yusiati, L.M., Suhartanto, B.) (2020)*<br><br>*Publisher: American Journal of Animal and Veterinary Sciences, 2020, 15(2), pp. 118–122*<br><br>21. *Degradation of Nitrogen Fraction in Kacang Goats Feed Supplementation Calliandra calothyrsus Substituted Soybean Meal (**Kustantinah**, Bambang Suhartanto, R. Edwin Indarto, Insani Hubi Zulfa, Fajar Ajimukti A) (2020)*<br><br>*Publisher: Symposium of Materials Science and Chemistry II. Materials Science and Engineering, Trans Tech Publications Ltd, Switzerland.*<br><br>*Publisher: The International Conference on Science and Technology (2019) Eastparc Hotel Yogyakarta, Indonesia 30 Juli 2019 - 31 Juli* |

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| | *2019 ISSN: 1662-9795*<br><br>22. *Degradation of Nitrogen Fraction in Kacang Goats Feed Supplementation Calliandra calothyrsus Substituted Soybean Meal (**Kustantinah**, Bambang Suhartanto, R. Edwin Indarto, Insani Hubi Zulfa, Fajar Ajimukti A) (2020)*<br><br>*Publisher: Symposium of Materials Science and Chemistry II. Materials Science and Engineering, Trans Tech Publications Ltd, Switzerland. The International Conference on Science and Technology 2019. Eastparc Hotel Yogyakarta, Indonesia 30 Juli 2019 - 31 Juli 2019 ISSN: 1662-9795*<br><br>23. *Effect of Leucaena leucocephala and corn oil on ruminal fermentation, methane production, and fatty acid profile: an in vitro study (Agung Irawan, Cuk Tri Noviandi, **Kustantinah**, Budi Prasetyo Widyobroto, Andriyani Astuti, Serkan Ates) (2020)*<br><br>*Publisher: Animal Production Science, Volume 60(19), 2020: 2199-2210. ISSN: 1836-5787*<br><br>24. *Effects of rations containing formaldehyde-protected soybean meal on meat production in Kacang goats (Adiwinarti, R., Budisatria, I.G.S., **Kustantinah**, K., Rusman, R., Indarto, E.) (2019)*<br><br>*Publisher: Veterinary World, 2019, 12(6), pp. 890–895*<br><br>25. *Calliandra calothyrsus and Artocarpus heterophyllus as anti-parasite for Bligon goat (Setyono, W., **Kustantinah**, K., Indarto, E., Zuprizal, Z., Zulfa, I.H.) (2019)*<br><br>*Publisher: Journal of the Indonesian Tropical Animal Agriculture, 2019, 44(4), pp. 400–407*<br><br>26. *Nutrients intake and fiber fraction digestibility of Kacang goats supplemented with different proportions of soybean meal and Calliandra calothyrsus in the diet (Atmojo, F.A., Indarto, E., **Kustantinah**) (2019)*<br><br>*Publisher: IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012095*<br><br>27. *Feeding frequency effects on consumption and nutrient digestibility on thin-Tailed sheep infected with Haemonchus contortus (Setyono, W., **Kustantinah**,, Cahyo, R.W.N.) (2019)*<br><br>*Publisher: IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012073*<br><br>28. *Potential of forage production on dryland agriculture with mixed cropping pattern (Suhartanto, B., Widodo, S., **Kustantinah,** Lestari, E.S.) (2019)*<br><br>*Publisher: IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012061*<br><br>29. *Calliandra calothyrsus as a protein source in goat's diets: Study of feed intake and ruminal fermentation parameters (Zulfa, I.H., **Kustantinah**., Indarto, E., Zuprizal,, Dono, N.D.) (2019)* |

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| | *Publisher: IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012109*<br><br>30. *The effect of birth type on quantitative characteristics in pre-weaned Bligon goats (Kurniawati, N., Latifah, Maharani, D., **Kustantinah**, Hartatik, T.) (2019)*<br><br>*Publisher: IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012054*<br><br>31. *The effect of sex on nutritional status of post-weaned Bligon goats under controlled feeding management (Latifah, Maharani, D., Hartatik, T., Nurjannah, A.S., **Kustantinah**) (2019)*<br><br>*Publisher: IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012057*<br><br>32. *Comparison Study of Melanocortin 4 Receptor in Cattle, Buffalo, Sheep, and Goat Based on Genbank Data (Latifah, Maharani, D., **Kustantinah**, Hartatik, T.) (2019)*<br><br>*Publisher: Proceedings - 2018 1st International Conference on Bioinformatics, Biotechnology, and Biomedical Engineering, BioMIC 2018, 2019, 8610582*<br><br>33. *Extraction of condensed tannins from tropical plants as affected by leaves maturity, maceration time, and centrifugal force (Awistaros, A.S., **Kustantinah**, Raden, W.N., Lovy, P., Melisa, E.) (2019)*<br><br>*Publisher: Materials Science Forum, 2019, 948 MSF, pp. 78–84*<br><br>34. *Evaluation use of Calliandra calothyrsus Substituted Soybean Meal Supplement on Feed Nutrient Intake and Digestion In the Kacang Goat (Fajar Ajimukti Atomojo, Bambang Suhartanto, Insani Hubi Zulfa, **Kustantinah**) (2019)*<br><br>*Publisher: International Conference Science and Technology (ICST), Yogyakarta, Indonesia, 30–31 July 2019*<br><br>35. *Degradation of Nitrogen Fraction In Kacang Goats Feed Supplementation Calliandra calothyrsus Substituted Soybean meal (**Kustantinah**, Bambang Suhartanto, Edwin Indarto, Insani Hubi Zulfa, Fajar Ajimukti Atomojo) (2019)*<br><br>*Publisher: International Conference Science and Technology (ICST) Yogyakarta, Indonesia 30–31 July 2019*<br><br>36. *Chemical Composition of Seaweed (Sargassum sp.) Based on the Different Drying Methods (Agustinus Paga, Ali Agus, **Kustantinah**, I Gede Suparta Budisatria) (2019)*<br><br>*Publisher: Proceedings The 8th ISTAP International Seminar on Tropical Animal Production "Prospects and Challenges for Sustainable Tropical Animal Production Systems", September 23-25, 2019, Yogyakarta, Indonesia. Page 121-124. ISBN: 978-979-1215-37-4*<br><br>37. *Association of Melanocortin 4 Receptor gene polymorphism with growth traits in Bligon goat (Latifah, L., Maharani, D. **Kustantinah**, A.,* |

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| | *Hartatik, T.) (2018)*<br><br>*Publisher: Journal of the Indonesian Tropical Animal Agriculture, 2018, 43(4), pp. 343–351*<br><br>*38. Profile of Rumen Fermentation and Blood Urea Nitrogen Concentration of Kacang Goat Fed Total Mixed Ration Vs. Roughage (Adiwinarti, R., **Kustantinah**, K., Budisatria, I.G.S., Rusman, R., Indarto, E.) (2018)*<br><br>*Publisher: IOP Conference Series: Earth and Environmental Science, 2018, 119(1), 012049*<br><br>*39. Effects of total mixed rations containing treated or untreated soybean meal on the energy utilization of kacang goats (**Kustantinah**, Budisatria, I.G.S., Rusman, Adiwinarti, R.) (2018)*<br><br>*Publisher: Pakistan Journal of Nutrition, 2018, 17(11), pp. 563–567*<br><br>*40. In Vitro and in Vivo Anthelmintic Activities of Aqueous Leaf Infusion of Azadirachta indica against Haemonchus contortus (AA Sakti, K Kustantinah, RW Nurcahyo) (2018)*<br><br>*Publisher: Tropical Animal Science Journal 41 (3), 185-190*<br><br>*41. Pengaruh Senyawa Tanin Terhadap Nilai Fermentasi Beberapa Spesies Hijauan Pakan Ternak (2018) (Fajar Ajimukti Atmojo, Kustantinah **Kustantina**h, Zuprizal Zuprizal, Nanung Danar Dono, Edwin Indarto, Insani Hubi Zulfa, Cuk Tri Noviandi)*<br><br>*Publisher: Prosiding Simposium Nasional Penelitian dan Pengembangan Peternakan Tropik Tahun 2018 Dalam Rangka Dies Natalis ke-49 Fakultas Peternakan UGM*<br><br>*42. Pengaruh Senyawa Tanin Terhadap Nilai Degradasi Berdasarkan Produksi Gas Hasil Fermentasi Beberapa Spesies Hijauan Pakan Ternak (Fajar Ajimukti Atmojo, **Kustantinah Kustantinah,** Zuprizal Zuprizal, Nanung Danar Dono, Edwin Indarto, Insani Hubi Zulfa, Cuk Tri Noviandi) (2018)*<br><br>*Publisher: Prosiding Simposium Nasional Penelitian dan Pengembangan Peternakan Tropik Tahun 2018 Dalam Rangka Dies Natalis ke-49 Fakultas Peternakan UGM*<br><br>*43. Use of Calliandra calothyrsus and Artocarpus heterophyllus against Parasites and the Effects on Performance of Bligon Goats in Indonesia (**Kustantinah**, Wahyu Setyono, Zuprizal, Indarto E., Dono N.D., Zulfa I.H.) (2018)*<br><br>*Publisher: Proceedings of the 10th International Symposium on the Nutrition of Herbivores (ISNH 2018), Volume 9, Issue 3, ISSN: 2040-4700. 2-6 September 2018, Clermont- Ferrand, France, pp 700. https://symposium.inra.fr/isnh 2018. Penerbit: Cambridge University Press*<br><br>*44. Improving Local Kacang Goat Productivity through Adjusted Ration Containing Ruminally Undegraded Protein Feeds (**Kustantinah**, A. Purnomoadi, E. Indarto) (2018)*<br><br>*Publisher: E-Proceedings 18th AAAP Congress 2018, 1-5 Aug. 2018,* |

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