Staff Handbook

Name	*Prof. Dr. Ir. Ali Agus, DAA., DEA., IPU., ASEAN Eng.*		
Post	*Ruminant Feed Technology and Nutrition*		
Academic career	*Professional Engineering (IPU)*	*Universitas Gadjah Mada*	*2018*
	Professor (Prof)	*Universitas Gadjah Mada*	*2009*
	Doctorate	*ENSA de Rennes I France*	*1996*
	Graduate degree	*ENSA de Rennes I France*	*1993*
	Diploma 4 (D4)	*Ensa de Rennes / France*	*1993*
	Undergraduate degree	*Universitas Gadjah Mada*	*1989*
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:* 1. *The Efficacy of Toxisorb on Broiler and Layer (Leader of Researchers) (2021)* *Source of Funds: PT Clariant Adsorbent Indonesia* 2. *Evaluation of Honey from Several Bee Species (Klanceng, Apis cerana, and Apis mellifera) Based on Their Chemical Composition and Profile (Leader of Researchers) (2021)* *Source of Funds: Collaborative Research Program Universitas Gadjah Mada* 3. *Species Diversity of Klanceng Bees (Hymenoptera: Meliponini) Endemic to Java: Domestication and Evaluation of Product Quality (Honey, Bee Bread, Propolis) (Leader of Researchers) (2021)* *Source of Funds: PDUPT Kemenristek* 4. *Study on the Utilization of Fermented Sago Dregs as a Substitute for Onggok in Beef Cattle Fattening Concentrate (Leader of Researchers) (2021)* *Source of Funds: PDD Kemenristek* 5. *Effect of high-Quality Feed Supplement (HQFS) and Moringa Leaf on Complete Feed on Digestion Performance, Hormone and Reproductive Activity in Female Local Sheep (Leader of Researchers) (2021)* *Source of Funds: PDD Kemenristek* 6. *Use of Sargassum Sp. Seaweed Flour. as Mineral Supplementation on Production Performance of Weaning Male Thin Tailed Sheep (Leader of Researchers) (2021)*		

	Source of Funds: PDD Kemenristek 7. *Disaster management and recovery: Community-based resilience strategies in a disaster-prone area of rural Indonesia (Member of Researchers) (2021)* *Source of Funds: PT Internal Funds - Faculty of Animal Science UGM* 8. *Superior Feed Plant Chicorium intybus as Leaf Protein Concentrate for Functional Animal Feed (2020)* *Source of Funds: PDUPT Kemenristek/BRIN* 9. *Effect of Different Storage on Hay Quality and Forage Pellets (2020)* *Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada* 10. *The Relationship of Alpha-S1 Casein Variations, Beta and Kappa of Several Dairy Goat Breeds with the Appearance of the Quality of Milk and Cheese Products Produced (2020)* *Source of Funds: PTNBH-Ristekdikti Applied Research* 11. *The Role of HQFS High-Quality Feed Supplement)-PRO Supplements for Improving the Reproductive Status of Beef Cattle (Leader of Researchers) (2020)* *Source of Funds: PTUPT Kemenristek/BRIN* 12. *Development of Queen Bee and Calliandra Propagation Techniques for Red Flowers, Corn, Sunflowers as Food for Bees Trigona sp. To Increase Honey and Pollen Production (Leader of Researchers) (2020)* *Source of Funds: PTUPT Kemenristek* 13. *Domestication and Cultivation of Tetragonula laeviceps Bees: Evaluation of Honey Production Potential and Quality as an Immunomodulator (Leader of Researchers) (2020)* *Source of Funds: PTUPT Kemenristek* 14. *Evaluation of Production Potential and Chemical Composition of Honey, Bee-Pollen and Bee Propolis Tetragonula laeviceps as Antidiabetic Agents (Leader of Researchers) (2020)* *Source of Funds: PPKI UGM* 15. *Feed Additive to increase broiler productivity (Leader of Researchers) (2020)* *Source of Funds: WMU Industry Collaboration* 16. *Effect of High-Quality Feed Supplement on Digestibility, Microbial Protein, Hormone Trends, and Reproductive Performance of Local Sheep (Leader of Researchers) (2020)* *Source of Funds: RTA UGM* 17. *Feed Supplement Products (Multi-Functional Feed Additive) To Improve Reproduction, Productivity, And Quality Of Livestock Products (Leader*

	of Researchers) (2020) *Source of Funds: PRN LPDP* 18. *The Relationship of Alpha-S1 Casein Variations, Beta and Kappa of Several Dairy Goat Breeds With The Appearance Of The Quality Of Milk And Cheese Products Produced (Member of Researchers) (2020)* *Source of Funds: PT Internal Funds - Faculty of Animal Science Universitas Gadjah Mada* 19. *Development of Queen Bee and Calliandra Propagation Techniques for Red Flowers, Corn, Sunflowers as Food for Bees Trigona sp. To Increase Honey and Pollen Production (Leader of Researchers) (2019)* *Source of Funds: PTUPT Kemenristek/BRIN* 20. *Domestication and Cultivation of Bees Tetragonula laeviceps: Evaluation of Honey Production Potential and Quality as an Immunomodulator (Leader of Researchers) (2019)* *Source of Funds: PDD Kemenristek/BRIN* 21. *Domestication and Cultivation of Tetragonula laeviceps Bees: Evaluation of Honey Production Potential and Quality as an Immunomodulator (Leader of Researchers) (2019)* *Source of Funds: RTA UGM* 22. *The GUSTOR N'RGY and essential oils (EO-FIT POULTRY) influences small intestinal histology and growth performances in the broiler (Leader of Researchers) (2019)* *Source of Funds: NOREL Collaboration* 23. *Consumption, In Sacco Digestibility and Rumen Fermentation Parameters of Ongole Crossbreed Cattle with Rice Straw Basal Feed with Gaplek Supplementation and Palm Kernel Cake at Different Proportions (Member of Researchers) (2019)* *Source of Funds: PT Internal Funds - Faculty of Animal Science Universitas Gadjah Mada* 24. *Development of Dry Resistant Local Grass to Improve Feed Resilience (2019)* *Source of Funds: PTUPT Kemenristek/BRIN* 25. *Profitable feeding strategies for smallholder cattle in Indonesia (2017-2020) Period (2019)* *Source of Funds: Australia Center for International Agricultural Research (ACIAR)* 26. *Consumption, In Sacco Digestibility and Rumen Fermentation Parameters of Ongole Crossbreeds with Rice Straw Basal Feed with Gaplek Supplementation and Palm Kernel Cake at Different Proportions (2019)* *Source of Funds: Laboratory Thematic Research Grants, Faculty of*

	Animal Science Universitas Gadjah Mada *27. Development of Queen Bee and Calliandra Propagation Techniques for Red Flowers, Corn, Sunflowers as Food for Bees Trigona sp. To Increase Honey and Pollen Production (Leader of Researchers) (2018)* *Source of Funds: PTUPT Kemenristek/BRIN* *28. Agromix Booster as Immuno-Stimulator Agent in Feed on Livestock Productivity, Product Quality, and Consumer Health (Leader of Researchers) (2018)* *Source of Funds: Individual Primary Research Institute* *29. The GUSTOR® and essential oils influence small intestinal histology and growth performances in the broiler (Leader of Researchers) (2018)* *Source of Funds: Norel Nutrition, Spain* *30. Development of Super Agromix as a Feed Supplement Based on LIVESTOCK WORKSHOP Smart-Application as an Effort to Increase Livestock Sector Productivity (Leader of Researchers) (2018)* *Source of Funds: DIKTI Industry-Based Technology Development Program* *31. In Vivo Toxisorb Classic and Premium Test (Member of Researchers) (2018)* *Source of Funds: PT Clariant Indonesia* *32. Development of Dry Resistant Local Grass to Increase Feed Resilience (Members) (2018)* *Source of Funds: PTUPT Ristekdikti* *33. Reducing Toxicity of Aflatoxin B1 in Broilers Using a Combination of Cysteine and Methionine in Feed (Leader of Researchers) (2018)* *Source of Funds: PMDSU* *34. Feed Supplementation of Protected Sources of Fat and Protein on Dairy Cow Milk Production and Quality (Leader of Researchers) (2018)* *Source of Funds: PMDSU* *35. Research "Physical Quality of Mineral Block with Mixture of Water and Salt at Different Levels" (2018)* *Source of Funds: Self-funded* *36. Digestibility and Characteristics of In Vitro Fermentation of Rice Straw with Gaplek Supplementation and Protein Meal at Different Levels (2018)* *Source of Funds: Self-funded* *37. Apiculture (Honey Bee Livestock) (2018)* *Source of Funds: PIKA Grant, Universitas Gadjah Mada* *38. Adaptability and Production of Various Superior Forage Crops for*

	Introduction in Indonesia (2018) *Source of Funds: Partnership with Crop Mark Seed Company New Zealand* *39. The Effect of Using Fermented Complete Feed or Silage as a Substitute for Forage on the Production and Quality of Milk of Holstein Holstein Breeds (2018)* *Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada* *40. Nutrient Composition, Physical and Chemical Quality of Complete Fermented Feed Inoculated with Different Commercial Inoculum (2018)* *Source of Funds: Internal Laboratory Fund, Faculty of Animal Science Universitas Gadjah Mada* *41. Identification of Galactagogue and Immunomodulator Compounds for Perparturient Dairy Cattle from Legumes (2018)* *Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants* *42. Complete Fermented Feeds: Digestibility Values vs. Conservation (2017)* *Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada* *43. Use of HQFS in Dairy Cows to Increase Milk Production ((Leader of Researchers)) (2017)* *Source of Funds: Self-funded* *44. Reducing Toxicity of Aflatoxin B1 in Broilers Using a Combination of Cysteine and Methionine in Feed (Leader of Researchers) (2017)* *Source of Funds: PMDSU* *45. Feed Supplementation of Protected Sources of Fat and Protein Against Dairy Cow Milk Production and Quality (Leader of Researchers) (2017)* *Source of Funds: PMDSU* *46. Development of Poultry Feed Technology (Leader of Researchers) (2017)* *Source of Funds: PT. Cheil Jeddang* *47. Agromix Booster as Immuno-Stimulator Agent in Feed on Livestock Productivity, Product Quality, and Consumer Health (Leader of Researchers) (2017)* *Source of Funds: DIKTI Insinas* *48. Agromix Super: Feed Supplement Containing Immuno-Stimulator Agent to Increase Productivity and Quality of Livestock Products (Leader of Researchers) (2016)* *Source of Funds: DIKTI Industry-Based Technology Development*

	Program *49. Development of Trigona sp. Beekeeping. for Increasing Farmer's Income: The Effect of Stup Design on Bee Yields (Leader of Researchers) (2016)* *Source of Funds: PTUPT DIKTI* *50. Development of Dry Resistant Local Grass to Improve Feed Resilience (Member of 4 Researchers) (2016)* *Source of Funds: PTUPT DIKTI* *51. Feed Supplementation of Protected Fat and Protein Sources on Dairy Cow Milk Production and Quality (Leader of 4 Researchers) (2016)* *Source of Funds: PMDSU DIKTI* *52. Reducing Toxicity of Aflatoxin B1 in Broilers Using a Combination of Cysteine and Methionine in Feed (2016)* *Source of Funds: PMDSU DIKTI* *53. Effect of Additive Use on Forage Silage of Sorghum Vulgare on the Quality of Silage Produced (Member of 9 Researchers) (2016)* *Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada* *54. Reducing Toxicity of Aflatoxin B1 in Broilers Using a Combination of Cysteine and Methionine in Feed (Member of 5 Researchers) (2016)* *Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants* *55. Evaluation of Protection Methods for Fat and Protein Sources of Feed Ingredients against Protein and Fat Degradation In Sacco and In Vitro (Member of 5 Researchers) (2016)* *Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants* *Community Service over the last 5 years* *1. Accelerating the Development of Banyuroto Village as Supporting Agrotourism Areas Affected by COVID-19: A Model for Supporting Productive Ecosystems through Enrichment Planting of Tropical Fruit Crops and Land Conservation (2020)* *Source of Funds: Directorate of Community Service, Universitas Gadjah Mada* *2. Introduction of a simple ration formulation for beef cattle in the Ngudi Raharjo Blimbingan Group, Tambakrejo, Tempel, Sleman (2020)* *Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada* *3. Introduction of Fermented Complete Feed and Mineral Block as an Effort to Increase Livestock Productivity in the Ngudi Raharjo Blimbingan*

	Group, Tambakrejo Tempel Sleman (2019) *Source of Funds: Faculty of Animal Science Universitas Gadjah Mada* 4. *Introduction of Feed Technology in the Ngudi Raharjo Blimbingan Cattle Group, Tambakrejo, Tempel, Sleman (2018)* *Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada* 5. *Fattening of Goats and Sheep (Free Lecture "For You Our Farmers Serve") (2017)* *Source of Funds: Funds are not binding* 6. *Promotion of Basalt Feed Conservation and Introducing Fermented Complete Feed to Andini Gotro's Dairy Farmers Group in Batang Hamlet, Tambakrejo, Tempel, Sleman, Yogyakarta (2016)* *Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada*
Industry collaborations over the last 5 years	1. *Project title: Education, Research, and Community Service (2021-2026)* *Partners: Agromix Lestari Group* 2. *Project title: Essential Oil Based Products as Alternative Treatment for Mastitis in Dairy Cattle and Goats (Research) (2021)* *Partners: Agricultural Research and Development Agency* 3. *Project title: Research on Toxin Binders Efficacy in Broiler and Layer (2020-2021)* *Partners: PT Clariant Adsorbents Indonesia* 4. *Project title: Belgian Blue Cattle Development in Indonesia (2019-2024)* *Partners: PT. Widodo Makmur Perkasa*
Patents and proprietary rights	1. *Method of Making Liquid Organic Fertilizer Made from Livestock Urine GAMA LBF (Liquid Bio Fertilizer) (**Ali Agus**)* — *2016* 2. *Concentrated Feed for Cattle Based on Plantation and Agricultural Waste (Endang Baliarti, **Ali Agus**, I Gede Suparta Budisatria, Bambang Suhartanto, Budi Guntoro, Panjono, Yunardi, Bambang Suwignyo, Sigit Bintara, Fransiskus Trisakti Haryadi, Bayu Andri Atmoko, Hamdani Maulana)* — *2019*
Important publications over the last 5 years	*Total number of publications: 112* 1. *Effect of forage Legetan (Synedrella nodiflora) fresh and hay on the physical quality of forage pellets (Suwignyo, B., Subagya, R.D., Astuti, A. Umami, N., **Agus, A**.) (2022).* *Publisher: E3S Web of Conferences Volume 335 (2022) 00037*

	2. *Effect of Fermented Concentrate on Growth Performance of Brahman Crossbred Steers: A Preliminary Study (Anam, M.S., Hanim, C., Astuti, A., **Agus, A.**) (2022).* *Publisher: Advances in Biological Sciences Research, Volume 18, Proceedings of the 9th International Seminar on Tropical Animal Production (ISTAP 2021)* 3. *Forage Pellets Quality from Weed Legetan with Different Composition (Suwignyo, B., Subagya, R.D., Astuti, A., Umami, N., **Agus, A.**) (2022).* *Publisher: Advances in Biological Sciences Research, Volume 18, Proceedings of the 9th International Seminar on Tropical Animal Production (ISTAP 2021).* 4. *Effect of Fermented Concentrate on Growth Performance of Brahman Crossbred Steers: A Preliminary Study (Anam, M.S., Hanim, C., Astuti, A., **Agus, A.**) (2022).* *Publisher: Advances in Biological Sciences Research, Volume 18, Proceedings of the 9th International Seminar on Tropical Animal Production (ISTAP 2021)* 5. *Supplementation Effects of Ground Cassava and Cassava Leaves with Different Ratios on In Vitro Digestibility of Rice Straw Based-Diet (Daulay, M.R.H., Paradhipta, D.H.V., Noviandi, C.T., **Agus, A.**, Astuti, A., Harper, K.) (2022).* *Publisher: Advances in Biological Sciences Research, Volume 18, Proceedings of the 9th International Seminar on Tropical Animal Production (ISTAP 2021).* 6. *In Vitro Digestibility and Rumen Fermentation of Sargassum sp. Seaweed with Different Drying Methods and Palatability in sheep (Paga, A., **Agus, A.** Kustantinah, Budisatria, IGS) (2022)* *Publisher: Publisher: Advances in Biological Sciences Research, Volume 18, Proceedings of the 9th International Seminar on Tropical Animal Production (ISTAP 2021).* 7. *The Effect of Fermentation Time on the Nutritional Value of Sago Hampas (Wardono, H.P., **Agus, A.,** Kustantinah, Ngadiyono, N., Suhartanto, B.)(2022)* *Publisher: Publisher: Advances in Biological Sciences Research, Volume 18, Proceedings of the 9th International Seminar on Tropical Animal Production (ISTAP 2021).* 8. *Adoption and Effectiveness Value of RFID Based Digital Recording System for Commercial and Rural Beef Cattle Farming (Putra, B., Chamidah, N., Junaesih, S., Matin, A., Widyawan, I., Ikhwan, S., **Agus, A.**)(2022)* *Publisher: Publisher: Advances in Biological Sciences Research, Volume 18, Proceedings of the 9th International Seminar on Tropical Animal Production (ISTAP 2021).*

	9. *Effect of different drying methods on the mineral content of Seaweed Sargassum sp (Paga, A., **Agus, A.,** Kustantinah, Budisatria, I.G.S.) (2022).* *Publisher: Livestock Research for Rural Development 33(3):1-6.* 10. *Identifying propolis compounds potential to be covid-19 therapies by targeting SARS-Cov-2 main protease (Lia Kusuma Dewi, Muhamad Sahlan, Diah Kartika Pratami, **Ali Agus**, Agussalim, Ardo Sabir) Coauthor (2021)* *Publisher: International Journal of Applied Pharmaceutics, Volume 13, special issue 2, 103-110* 11. *The minerals content of honey from stingless bee Tetragonula laeviceps from different regions in Indonesia (Ardo Sabir, **Ali Agus**, Muhammad Sahlan, Agussalim) Coauthor (2021)* *Publisher: Livestock Research for Rural Development, 33 (2)* 12. *Physiological responses of the Holstein Friesian dairy cows raised under tropical conditions in Indonesia (Heny Leondro, Budi Prasetyo Widyobroto, **Ali Agus**) Coauthor (2021)* *Publisher: Journal of Physics: Conference Series 1869 (2021) 012161. doi:10.1088/1742-6596/1869/1/012161* 13. *Effect of different drying methods on the mineral content of Seaweed Sargassum sp (Agustinus Paga, **Ali Agus**, Kustantinah and I Gede Suparta Budisatria) Corresponding author (2021)* *Publisher: Livestock Research for Rural Development, 33 (3)* 14. *Effects of different levels of defoliation on growth and production of Chicorium intybus (Parjana, H.O., Umami, N., Suhartanto, B., Suseno, N., Hanim, C., Astuti, **Agus, A.,** Tilova, A.M.) (2021)* *Publisher: IOP Conference Series: Earth and Environmental Science Volume 788 (2021) 012166.* 15. *Local forage development strategies based on beef cattle farmer's preferences (Pratama, I.W., Agustine, R., Astuti, A., Kasmiyati, Noviandi, C.T., **Agus, A.**, Putra, A.R.S.) (2021)* *Publisher: IOP Conf. Series: Earth and Environmental Science 782 (2021) 022080.* 16. *Physiological responses of the Holstein Friesian dairy cows raised under tropical conditions in Indonesia (Leondro, H., Widyobroto, B.P., **Agus, A.**)(2021)* *Publisher: IOP Journal of Physics: Conference Series.* 17. *Live weight performance of three different breed of indonesian local chickens in starter phase (Mustofa, F., Apriliana, P.Z.N.L.S., **Agus, A.,** Sasongko, H., Suryanto, E.,Ulinuha, Y., Putra, A.A.K., Widodo, S., Maharani, D.) (2021)* *Publisher: IOP Conf. Series: Earth and Environmental Science*

	888. 18. *Inovasi Teknologi Peternakan UGM mendukung Program Swasembada Pangan Hasil Ternak dan Peningkatan Kualitas SDM (**Ali Agus**, Panjono, Muhsin Al Anas, Agussalim) (2020)* *Publisher: Book Chapter, Judul: Pengalaman Melembagakan Inovasi. Penerbit: UGM Press, Yogyakarta. Editor: Hargo Utomo dan Ika Dewi Ana Edisi 1, cetakan 1, jumlah 208 halaman. ISBN: 978-602-386-803-2* 19. *In vitro digestibility and ruminal fermentation profile of ruminant diet in response to the substitution of mixture feedstuff protected (Wulandari, Budi Prasetyo Widyobroto, Cuk Tri Novi, and andadde **Ali Agus**) Corresponding author (2020)* *Publisher: Livestock Research for Rural Development, 32(12)* 20. *Single Nucleotide Polymorphism of Sex Determining Region-Y Gene Coding Sequences in Belgian Blue Bull and Wagyu Bull Crossbred Cattle (T Hartatik, S Bintara, I Ismaya, P Panjono, BP Widyobroto, **A Agus**, IGS Budisatria, P Leroy) Coauthor(2020)* *Publisher: IOP Conference Series: Earth and Environmental Science 478 (1), 012020* 21. *Survey of aflatoxin B1 contamination in broiler feed from small-scale farms in Special Region of Yogyakarta, Indonesia (Muhsin Al Anas, Lies Mira Yusiati, Cuk Tri Noviandi, **Ali Agus**) Corresponding author (2020)* *Publisher: Livestock Research for Rural Development, Volume 32 (3)* 22. *Effect of methionine supplementation on intestinal morphology in broilers infected with aflatoxicosis B1 (Muhsin Al Anas, Lies Mira Yusiati, Cuk Tri Noviandi, **Ali Agus**) Corresponding author (2020)* *Publisher: Livestock Research for Rural Development, Volume 32 (4)* 23. *Growth performance, hematological and mineral profile of post-weaning calves as influenced by the inclusion of pelleted-concentrate supplement containing essential oils and probiotics (Gading BMWT, **Agus A**, Irawan A, Panjono, P) Coauthor (2020)* *Publisher: Iranian Journal of Applied Animal Science, 10(3): 461-468* 24. *The honey and propolis production from Indonesian stingless bee: Tetragonula laeviceps (Agussalim, Nurliyani, Nafiatul Umami, **Ali Agus**) Corresponding author (2020)* *Publisher: Livestock Research for Rural Development, Volume 32 (8)* 25. *Addition turmeric extract on ration to reduce fat deposit of broiler (Utami MMD, Dwiani HP, **Agus A**) Coauthor (2020)* *Publisher: Journal of Physics Conference Series, 1569(4), 042090* 26. *In vitro digestibility and ruminal fermentation profile of pangola grass (Digitaria decumbens) supplemented with crude palm oil protected by sodium hydroxide) Wulandari, Budi Prasetyo Widyobroto, Cuk Tri Novi, and **Ali Agus**) Coauthor (2020)*

	Publisher: Livestock Research for Rural Development, Volume 32 (7) 27. *Short communication: The genotype of growth hormone gene that affects the birth weight and average daily gain in crossbred beef cattle (Hartatik, T., Fathoni, A., Bintara, S., Ismaya, Panjono, Widyobroto, B.P., **Agus, A**., Budisatria, I..G.S., Leroy, P.) Coauthor (2020)* *Publisher: Biodiversitas 21(3): 941-945* 28. *Effect of planting densities and fertilization levels on the production and quality of Chicory (Cichorium intybus) in Yogyakarta, Indonesia (Umami N, Dewi MP, Suhartanto B, Suseno N, **Agus A**) Coauthor (2020)* *Publisher: IOP Conference Series: Earth and Environmental Science, 425(1), 012073* 29. *The Effect of Soybean Meal Heating Time on the in vitro (Wulandari, Budi Prasetyo Widyobroto, Cuk Tri Noviandi, and **Ali Agus**) Corresponding author (2020)* *Publisher: Iranian Journal of Applied Animal Science, 10(4): 595-601* 30. *In vitro rumen fermentability of the pelleted feed containing water spinach (IpomoeaAquaticaa) (2020)* *Publisher: American Journal of Animal and Veterinary Sciences, 15(1): 67-72* 31. *Pengaruh Pemberian Asam Amino Metionin-Sistin pada Pakan yang Terkontaminasi Aflatoxin B1 Terhadap Mortalitas dan Kinerja Organ Dalam Ayam Broiler (Listya Purnamasari, **Ali Agus,** Cuk Tri Noviandi) Corresponding author (2020)* *Publisher: Jurnal Ilmu Ternak, 20(1): 46-55* 32. *PSIII-40 Essential oil blend as a possible alternative to antibiotic growth promoters in broiler production (Bernat Canal, Luis Mesas, Mónica Puyalto, Cinta Sol, **Ali Agus**, Muhsin Al Anas, Juan José Mallo) Coauthor (2020)* *Publisher: Journal of animal science, 98(Supplement 4): 370-371* 33. *Identification of Glucogenic Amino Acids Content in Gliricidia maculata as an Alternative Energy Source for High-Yielding Periparturient Dairy Cows (Sulvia Dwi Astuti SW, Budi Prasetyo Widyobroto, **Ali Agus,** and Lies Mira Yusiati) Coauthor (2020)* *Publisher: Buletin Peternakan, 44 (2): 15-19* 34. *Effects of different doses of NPK fertilization on growth and productivity of Cichorium intybus (Umami, N., Abdiyansah, A., **Agus, A**.) Coauthor (2019)* *Publisher: IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012097* 35. *Effects of undegradable dietary protein on milk production and composition of lactating dairy cows (Leondro, H., Widyobroto, B.P., Adiarto, **Agus, A**.) (2019)*

	Publisher: IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012004 36. *In vitro digestibility of ruminant diet in response to protected feed substitution (Wulandari, Widyobroto, B.P., Noviandi, C.T**., Agus, A**.) Coauthor (2019)* *Publisher IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012113* 37. *Growth and production of Cichorium intybus in the second regrowth with different planting densities in Yogyakarta, Indonesia (Umami, N., Wiratih, I**., Agus, A.,** Suhartanto, B.) Coauthor (2019)* *Publisher IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012098* 38. *Identification of galactagogues Gliricidia maculata (Astuti, S.D., Widyobroto, B.P., **Agus, A**., Yusiati, L.M.) (2019)* *Publisher IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012119* 39. *Effect of ba lend of natural essential oils added in the drinking water on productivity, carcass yield, and meat quality of broiler (**Agus, A.,** Anas, M.A., Luthfiana, R., Hidayat, A.A.) Corresponding author (2019)* *Publisher: IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012078* 40. *The effect of BAV addition as a feed additive in laying hen ration on quality and chemical composition of egg (Anas, M.A., **Agus, A.,** Hanim, C., Babikian, H.J., Jiaravanon, B.) Corresponding author (2019)* *Publisher: IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012090* 41. *Physicochemical properties of honey produced by the Indonesian stingless bee: Tetragonula laeviceps (Agussalim, **Agus, A.,** Nurliyani, Umami, N., Budisatria, I.G.S.) Corresponding author (2019)* *Publisher: IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012084* 42. *Rumen fermentation characteristics of Ongole crossbred bulls in response to different inclusion levels of dried cassava chips and palm kernel cake (Latiefah, S., Noviandi, C.T., **Agus, A**., Utomo, R., Quigley, S., Poppi, D.) Coauthor (2019)* *Publisher: IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012117* 43. *A comparison of three highly fermentable carbohydrate sources (corn, cassava powder, or cassava pulp) on in vitro digestion (Putridinanti, A.D., Noviandi, C.T., Gunawan, **Agus, A.**, Harper, K., Poppi, D.) Coauthor (2019)* *Publisher: IOP Conference Series: Earth and Environmental Science,*

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	the Indonesian Association of Feed and Nutrition Experts	*Member*	*2015-2021*
	Association of Indonesian Animal Husbandry Graduates, Yogyakarta Special Region	*Advisor*	*2020-2024*