Staff Handbook

Name	*Prof. Dr. Ir. Lies Mira Yusiati, SU., IPU., ASEAN Eng.*		
Post	*Nutritional biochemistry*		
Academic career	*Professional Engineering (IPU)*	*Universitas Gadjah Mada*	*2018*
	Professor (Prof)	*Universitas Gadjah Mada*	*2009*
	Doctorate	*Universitas Gadjah Mada*	*2006*
	Graduate degree	*Universitas Gadjah Mada*	*1989*
	Undergraduate degree	*Universitas Gadjah Mada*	*1984*
Employment	*Professor*	*Universitas Gadjah Mada*	*2008-present*
	Associate Professor	*Universitas Gadjah Mada*	*2001-2008*
	Assistant Professor	*Universitas Gadjah Mada*	*1986-2001*
Research and development projects over the last 5 years	*Research projects:* 1. *Natural Bioactive Plant-Based Feed Supplement Technology for Environmentally Friendly Livestock Development (Green Livestock) (2020)* *Source of Funds: PTUPT, PTNBH-Kemenristekdikti* 2. *Addition of Tannins and Saponins in Feed to Improve Fermentation Efficiency and Rumen Digestibility In Vitro (2020)* *Source of Funds: Final Project Recognition, Universitas Gadjah Mada* 3. *Development of Blended Protein-Mineral Supplements to Increase Productivity of Lactation Dairy Cattle (2020)* *Source of Funds: PTUPT, PTNBH-Kemenristekdikti* 4. *Study of Natural Bioactive Saponin Compounds from Kenikir Leaves (Cosmos caudatus Kunth) and Its Application to Reduce Chicken Fatty and Methane Production Reducing Agents in Environmentally Friendly Livestock (2020)* *Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada* 5. *Contribution of Basal Excretion to Total Purine Derivative Excretion in Urine of Male and Female Garut Sheep (2020)* *Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants* 6. *Use of Total Mixed Ration Containing High Protein and Anthelmintic Agents in Thin Tailed Sheep (2020)* *Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants*		

	7. *Microbial Diversity and Characteristics of In Vitro Rumen Fermentation with Cinnamon Bark (Cinnamomum Burmanni) as a Source of Cinnamaldehyde (2019)* *Source of Funds: Final Project Recognition Program, UGM* 8. *Estimation of Rumen Microbial Protein Synthesis Based on Excretion of Purine Derivatives in Urine by Spot Sampling Method in Merino Sheep (2019)* *Source of Funds: Excellent Basic Research for Higher Education, Ristekdikti* 9. *Natural Bioactive Plant-Based Feed Supplement Technology for Environmentally Friendly Livestock Development (Green Livestock) (2019)* *Source of Funds: Leading University Applied Research, Ristekdikti* 10. *Study of Natural Bioactive Compounds from Nutmeg (Myristica fragrance) Fruits, Seeds and Leaves and Their Applications in Improving Feed Quality and Livestock Productivity (2019)* *Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants* 11. *Natural Bioactive Plant-Based Feed Supplement Technology for Development of Environmentally Friendly Livestock (Green Livestock) (2018)* *Source of Funds: Leading University Applied Research, PTUPT Ristekdikti* 12. *Reducing Toxicity of Aflatoxin B1 in Broilers Using a Combination of Cysteine and Methionine in Feed (2018)* *Source of Funds: Masters Education Research towards Doctorate for Superior Bachelors, PMDSU Ristekdikti* 13. *Estimation of Rumen Microbial Protein Synthesis Based on Excretion of Purine Derivatives in Urine by Spot Sampling Method in Merino Sheep (Chusnul Hanim, Lies Mira Yusiati, Muhlisin) (2018)* *Source of Funds: PDUPT, Ristekdikti* 14. *Study of Natural Bioactive Compounds from Black Cumin Cake (Nigella sativa L.) and Its Application in Feed for Environmentally Friendly Livestock Development (Green Livestock) (2018)* *Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada* 15. *Effect of Addition of Agricultural Waste as a Source of Malate on In*

	Vitro Digestibility (2018) *Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants* 16. *Identification of Galactogogenic and Immunomodulatory Compounds for Perparturient Dairy Cattle from Legumes (2018)* *Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants* 17. *Estimation of Rumen Microbial Protein Synthesis Based on Excretion of Purine Derivatives in Urine by Spot Sampling Method in Merino Sheep (Year 1) (Member of 3 Researchers)) (2017)* *Source of Funds: Fundamental Research, DIKTI* 18. *Natural Bioactives as Feed Additive for Animal Feed: Production and Extraction of Natural Bioactives as Feed Additive for Sheep Animal Feed (Member of 4 Researchers (2017)* *Source of Funds: PUPT, DIKTI* 19. *Reducing Toxicity of Aflatoxin B1 in Broilers Using a Combination of Cysteine and Methionine in Feed (Member of 4 Researchers) (2017)* *Source of Funds: PMDSU* 20. *Utilization of Moist Ratio Based on Lactic Acid Bacterial Fermentation in Ruminant Livestock Development (Member of 7 Researchers) (2017)* *Source of Funds: Prospective Technology-Based Startup Company, CPPBT* 21. *Plant Secondary Metabolites as Feed Additives: Effect of Patchouli Essential Oil (Pogostemon cablin Benth.) in In Vitro Rumen Fermentation (Member of 6 Researchers) (2017)* *Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada* 22. *Effect of Addition of Cashew Seed Oil in Feed on Rumen Microbial Protein Synthesis and Nitrogen Balance in Bligon Goats (Leader of 6 Researchers) (2017)* *Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants* 23. *Development Pattern of Bligon Goat Agro-Industry Based on Core Plasma: Feasibility Study for Establishing Bligon Goat-Based Economic Zone (Leader of 4 Researchers) (2016)* *Source of Funds: PUPT DIKTI*

	24. *Total Silage Concentrate Mixture (STCK) Based by Food Industry Products: STCK Engineering and Its Application to the Performance of Goats, Mothers, and Fattening of Bligon Goats (Member of 3 Researchers) (2016)* *Source of Funds: HIKOM DIKTI* 25. *The Role of Secondary Metabolites in Livestock: Effect of Subpages: Feed Implementation with Nutmeg Essential Oil (Myristica fragans) as a Source of Antioxidants on Goat Meat Quality (Member of 7 Researchers) (2016)* *Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada* 26. *Reducing Toxicity of Aflatoxin B1 in Broilers Using a Combination of Cysteine and Methionine in Feed (Leader 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. *Sheep Village: Development of a Sheep Farming Center to Improve the Economy of the Kadilanggon Village Community, Wedi District, Klaten Regency (2020)* *Source of Funds: Kadilanggon Village Government, Wedi, Klaten* 2. *Community Service Through Cultivation of Umbaran Layers to Produce Functional Eggs at the Irsyadul Anam Islamic Boarding School, Kiyudan, Selomartani, Kalasan, Sleman, Yogyakarta (2020)* *Source of Funds: PT Widodo Makmur Unggas and Laboratory Nutritional Biochemistry of Faculty Animal Science Universitas Gadjah Mada* 3. *Community Service Based on Fostered Village Development in Balak Hamlet, Pendoworejo Village, Girimulyo District, Kulonprogo Regency (2020)* *Source of Funds: Indonesian Association of Biochemistry and Molecular Biology* 4. *Community Service Through Cultivation of Umbaran Layers to Produce Functional Eggs in the Dasawisma Women's Association of Dewi Sari, Buyutan, Gadingsari, Sanden, Bantul, Yogyakarta (2020)* *Source of Funds: PT Widodo Makmur Unggas and Lab. Nutritional Biochemistry Faculty. UGM Farm* 5. *5. Community Service Through Cultivation of Umbaran Layers to Produce Functional Eggs at IS ASWAJA Islamic Boarding School Lintang Songo, Pagergunung Hamlet, Piyungan, Bantul, Yogyakarta (2020)* *Source of Funds: PT Widodo Makmur Unggas and Laboratory*

	Nutritional Biochemistry of Faculty Animal Science Universitas Gadjah Mada 6. *Development of Environmentally Friendly Livestock Using Feed Supplement Technology Based on Natural Bioactive Tropical Plants in the Ayo Angon Livestock Group, Buyutan Hamlet, Ngalang Village, Gedangsari District, Gunung Kidul Regency (2020)* *Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada* 7. *Amazing Livestock Microbes (2020)* *Source of Funds: Faculty of Animal Science, Universitas Gadjah Mada* 8. *Livestock Chat Resource Person with the theme "Poultry Industry Overview-Feed Technology to Improve Poultry Gastrointestinal Performance" (2020)* *Source of Funds: Faculty of Animal Science, Universitas Gadjah Mada* 9. *The Prospect of Fat Bypass in Animal Production (2020)* *Source of Funds: Faculty of Animal Science, Universitas Gadjah Mada* 10. *PKM at Banyusoco Playen Gunung Kidul (2019)* *Source of Funds: PKM Ristekdikti* 11. *Extension on Total Mixture Ration (TMR) Based on Fermentation and Institutional Empowerment of Livestock Plasma-Core (2019)* *Source of Funds: Faculty of Animal Science, Universitas Gadjah Mada* 12. *PKM Livestock Group Based on Natural Methane Reducing (NMR) in Banyusoco Village, Playen District, Gunung Kidul Regency (2018)* *Source of Funds: Community Service Grants for Development of Fostered Villages, Universitas Gadjah Mada* 13. *Guidance of KWT Gama Ngudi Lestari (Beat Goat Breeding) (2018)* *Source of Funds: Self Funded* 14. *Application of Forage Fermentation Technology as a Solution for Fulfilling Animal Feed Needs in Peri-Urban Areas at Irsyadul Anam Islamic Boarding School, Kiyudan, Selomartani, Kalasan, Sleman, Yogyakarta (2018)* *Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada* 15. *Plot Demonstration of Mating Management and Feed Engineering on Ruminant Cattle to Produce Healthy and Twins in Duwet Rejo, Karang Tengah Village, Gunung Kidul (2017)* *Source of Funds: TTG BOPTN* 16. *Building Green Livestock Development Free of Pollutants: Dissemination of Feed Material Sources for Methane Emission Reducing Agents in the Gama Ngudi Lestari Farmer Women's Group,*

	Banyusuco Village, Gunung Kidul (2017) *Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada* 17. *Introduction of Forage Preservation Methods with Application of Fermentation Technology Based on Local Feed Sources to the Ruminant Livestock Group Association of Triharjo Village, Pandak, Bantul (2016)* *Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada* 18. *The Importance of Herbal-Based Milk Replacer and Fermentation BAL Superior Milk Powder for Twin Cempe (2016)* *Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants*
Industry collaborations over the last 5 years	-
Patents and proprietary rights	1. *Silage Inoculum Preparation (Ahmad Sofyan, Yantyati Widyastuti, Ristianto Utomo,* ***Lies Mira Yusiati****)* — *2019* 2. *Fermented Chicken Sausage with Lactobacillus Fermentum BR 17 (Edi Suryanto,* ***Lies Mira Yusiati****, Roisu Eny Mudawaroch)* — *2021* 3. *Formula and Process for Making Alternative Supplements in High Protein Pellet Form for Lactation Dairy Cattle (Budi Prasetyo Widyobroto, Rochijan, Andriyani Astuti,* ***Lies Mira Yusiati****)* — *2021*
Important publications over the last 5 years	*Total number of publications: 114* 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)* *Publisher: IOP Conference Series: Earth and Environmental Science Volume 951 (2022) 012047 pp. 1-8 pISSN: 1755-1307, eISSN: 1755-1315.* 2. *Effect of Galangal (Alpinia galanga) Essential Oil Supplementation on Milk Production, Composition, and Characteristics of Fatty Acids in Dairy Cows (Dewi Ratih Ayu Daning, B.P. Widyobroto,* ***L.M. Yusiati****, C. Hanim*) (2022)* *Publisher: Advances in Animal and Veterinary Sciencesm January 2022, Volume 10, Issue 1 , Page 192-202* 3. *Dietary Supplementation of Galangal (Alpinia galangal) Essential Oil Affects Rumen Fermentation Pattern. (Dewi Ratih Ayu Daning,* ***L.M. Yusiati,*** *C. Hanim, B.P. Widyobroto) (2022).*

	Publisher: Advances in Animal and Veterinary Sciences. ISSN (Online) | 2307-8316. 4. *Excretion of Endogenous Purine Derivatives in Male and Female Garut sheep (Mutiara Mustika Putri Mahanani, Chusnul Hanim, **Lies Mira Yusiati**) (2021)* *Publisher: Advances in Biological Sciences Research, Volume 18 Proceedings of the 9th International Seminar on Tropical Animal Production (ISTAP 2021)* 5. *The Effect of Total Mixture Concentrate Based on Tofu Waste Silage as Feed on Performance of Lambs (Yafri Hazbi, Zaenal Bachruddin, Nafiatul Umami, **Lies Mira Yusiati**) (2021)* *Publisher: Advances in Biological Sciences Research, Volume 18 Proceedings of the 9th International Seminar on Tropical Animal Production (ISTAP 2021)* 6. *Characteristics of Ruminal Fatty Acids Using In Vitro Culture System by Addition of Galangal (Alpinia galangal) Essential oil (Dewi Ratih Ayu Daning, Chusnul Hanim, Budi Prasetyo Widyobroto, **Lies Mira Yusiati**) (2021)* *Publisher: Advances in Biological Sciences Research, Volume 18 Proceedings of the 9th International Seminar on Tropical Animal Production (ISTAP 2021)* 7. *Feed Intake and Feed Digesbility of Male Merino Sheep with Adding Mahagany Leaves (Swietania mahagoni) as a Source of Tannins in Feed (MK Anam, C Hanim, **LM Yusiati**) (2021)* *Publisher: Advances in Biological Sciences Research, Volume 18 Proceedings of the 9th International Seminar on Tropical Animal Production (ISTAP 2021)* 8. *Lactic Acid Bacterial Fermentation Feed as Basal Ration: Addition Effect of Protein and Carbohydrate Protection on Rumen Fermentation of Bligon Goat (Moh. Ikmal Khoirozzadit Taqwa, Zaenal Bachruddin, **Lies Mira Yusiati**, Nafiatul Umami, Muhlisin Muhlisin)* *Publisher: Advances in Biological Sciences Research, Volume 18 Proceedings of the 9th International Seminar on Tropical Animal Production (ISTAP 2021)* 9. *Evaluating of Nutrient Composition and Pellet Durability Index on Pellet Supplement with Different Proportion of Protected Soybean Meal (P-SBM) and Selenium (Se) (Andriyani Astuti, Rochijan Rochijan, Budi Prasetyo Widyobroto, **Lies Mira, Yusiati**)* *Publisher: Advances in Biological Sciences Research, Volume 18 Proceedings of the 9th International Seminar on Tropical Animal Production (ISTAP 2021)* 10. *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) *Publisher: Advances in Biological Sciences Research, Volume 18 Proceedings of the 9th International Seminar on Tropical Animal Production (ISTAP 2021)* 11. *Effect of Protected Corn Oil Supplementation Ratio on Ruminal Fatty Acids Profile (Mohammad Sofi'ul Anam, **Lies Mira Yusiati**, Chusnul Hanim, Zaenal Bachruddin, Andriyani Astuti) (2021)* *Publisher: Advances in Biological Sciences Research, Volume 18 Proceedings of the 9th International Seminar on Tropical Animal Production (ISTAP 2021)* 12. *The Effect of Glutathione Addition in Diluent Semen on Ram Spermatozoa Quality (Muthiah Syafitri, Teguh Ari Prabowo, Pradita Iustitia Sitaresmi, **Lies Mira Yusiati**, Sigit Bintara, Diah Tri Widayati) (2021)* *Publisher: Advances in Biological Sciences Research, Volume 18 Proceedings of the 9th International Seminar on Tropical Animal Production (ISTAP 2021)* 13. *Effect of addition cilembu sweet potato extract (Ipomoea batatas Cilembu) as a prebiotic source for the kinetics of fermentation and lactic acid production by Lactobacillus paracasei (Swithenia, F., Bachruddin, Z., Kurniawati, A., **Yusiati, L.M**.)* *(2021)* *Publisher: IOP Conference Series: Earth and Environmental Science, 2021, 686(1), 012046* 14. *Effect of yellow sweet potato extract (Ipomoea batatas L.) as a prebiotic source for the kinetics of fermentation and the production of lactic acid by Lactobacillus paracasei (Barus, W.L., Bachruddin, Z., Hanim, C., **Yusiati, L.M**.) (2021)* *Publisher: IOP Conference Series: Earth and Environmental Science, 2021, 686(1), 012047* 15. *Merino sheep nitrogen balance with the addition of mahogany leaves (Swietenia mahagoni) as tannins source in feed (Azizah, E.R., Hanim, C., **Yusiati, L.M**., Kurniawati, A.) (2021)* *Publisher: IOP Conference Series: Earth and Environmental Science, 2021, 667(1), 012014* 16. *The effect of additional tannins source from Mahagony leaves (Swietenia mahagoni) to purine derivate excretion in urine and synthesis of rumen microbial protein of Merino sheep (Lestari, E.A., Hanim, C., **Yusiati, L.M**., Kurniawati, A.) (2021)* *Publisher: IOP Conference Series: Earth and Environmental Science, 2021, 667(1), 012062* 17. *The effects of catfish oil supplementation as the unsaturated fatty acid source on Bali cow gas production kinetics, dry matter digestibility, and*

	*organic matter digestibility in vitro (Cahyo, D.N., **Yusiati, L.M**., Kurniawati, A., Hanim, C., Muhlisin) (2021)* *Publisher: IOP Conference Series: Earth and Environmental Science, 2021, 637(1), 012058* 18. *Total ammonia and N2O emission characteristics from Alcaligenes sp. LS2T cultures and their application on laying hen manure associated with different pH conditions (Azkarahman, A.R., Erwanto, Y., **Yusiati, L.M**., Widodo, W., Fitriyanto, N.A.) (2021)* *Publisher: International Journal of Environment and Waste Management, 2021, 27(1), pp. 1–20* 19. *Antioxidant effects of black garlic powder on spent duck meat nugget quality during storage (Tiara Uji LISHIANAWATI, **Lies Mira YUSIATI,** JAMHARI) (2021)* *Publisher: Food Science and Technology, Ahead of Print, 2021: 1-8\DOI: https://doi.org/10.1590/fst.62220.* 20. *The Effect of Bromelain from Pineapple (Ananas comosus) on Increasing Protein Digestibility of Milk Replacer for Lamb (Putriana, L., Bachruddin, Z., Hanim, C., Kurniawati, A., **Yusiati, L.M.**, Widayati, O.) (2020)* *Publisher: IOP Conference Series: Earth and Environmental Science, 2020, 478(1), 012030* 21. *Effect of Cinnamon Bark Meal (Cinnamomun burmanni Ness ex Bl) on in Vitro Methane Production and Rumen Methanogens Diversity (Hadianto, I., **Yusiati, L.M**., Bachrudin, Z., Suhartanto, B., Hanim, C., Kurniawati, A.) (2020)* *Publisher: IOP Conference Series: Earth and Environmental Science, 2020, 478(1), 012027* 22. *Methane Production and Methanogens Diversity in vitro Ruminal Fermentation with Mahogany Leaves Meal (Swietenia mahagoni) as Tannin Source (Hasanah, C., Kurniawati, A., **Yusiati, L.M**., Muhlisin,, Bachruddin, Z.) (2020)* *Publisher: IOP Conference Series: Earth and Environmental Science, 2020, 478(1), 012089* 23. *Heating Effect on Rumen Digestion of Protein Feeds Fermented by LacLacticid Bacteria (Sanjaya, H.L., Bachrudin, Z., Kurniawati, A., Hanim, C., **Yusiati, L.M**.) (2020)* *Publisher: IOP Conference Series: Earth and Environmental Science, 2020, 478(1), 012029* 24. *Effect of (Leucaena leucocephala) Leaves as Tannin Source on Rumen Microbial Enzyme Activities and in Vitro Gas Production Kinetics (Mahanani, M.M.P., Kurniawati, A., Hanim, C., Anas, M.A., **Yusiati, L.M**.) (2020)* *Publisher: IOP Conference Series: Earth and Environmental Science,*

	2020, 478(1), 012088 25. *Effect of Combination of Protected and Non-Protected Corn Oil Supplementation on in Vitro Nutrient Digestibility (Anam, M.S., **Yusiati, L.M.**, Hanim, C., Bachruddin, Z., Astuti, A.) (2020)* *Publisher: IOP Conference Series: Earth and Environmental Science, 2020, 478(1), 012026* 26. *The Effect of Bromelain from Pineapple (Ananas comosus) on Increasing Protein Digestibility of Milk Replacer for Lamb (Putriana, L., Bachruddin, Z., Hanim, C., Kurniawati, A., **Yusiati, L.M.**, Widayati, O.) (2020)* *Publisher: IOP Conference Series: Earth and Environmental Science, 2020, 478(1), 012030* 27. *Effect of Cinnamon Bark Meal (Cinnamomun burmanni Ness ex Bl) on in Vitro Methane Production and Rumen Methanogens Diversity (Hadianto, I., **Yusiati, L.M.**, Bachrudin, Z., Suhartanto, B., Hanim, C., Kurniawati, A.) (2020* *Publisher: IOP Conference Series: Earth and Environmental Science, 2020, 478(1), 012027* 28. *In vitro gas production kinetics as influenced by the combination of Leucaenaleucocephala, Swietenia mahagoni, and Artocarpus heterophyllus as a tannin source (Aanas, M., Muhlisin,, Bachruddin, Z., **Yusiati, L.M.**) (2020)* *Publisher: IOP Conference Series: Earth and Environmental Science, 2020, 465(1), 012036* 29. *Effect of methionine supplementation on intestinal morphology in broilers infected with aflatoxicosis B1 (Anas, M.A., **Yusiati, L.M**., Noviandi, C.T., Agus, A.) (2020)* *Publisher: Livestock Research for Rural Development, 2020, 32(3)* 30. *Improvement of ruminal feed fermentation by addition of eucalyptus based mix essential oil (Kurniawati, A., Wigati, D.N., Hasanah, C., **Yusiati, L.M**.) (2020)* *Publisher: IOP Conference Series: Earth and Environmental Science, 2020, 425(1), 012086* 31. *Nutrient digestibility on ruminal fermentation in vitro with the addition of rumen modifier based on Clove (Syzygium aromaticum. L.) and Fennel (Foeniculum vulgare. Mill.) essential oil (Kurniawati, A., Saputra, W.E., Mahardillah, L., Hanim, C., **Yusiati, L.M**.) (2020)* *Publisher: IOP Conference Series: Earth and Environmental Science, 2020, 425(1), 012085* 32. *Study of Local Herb Potency as Rumen Modifier: Red Ginger (Zingiber Officinale Var. Rubrum) Addition Effect on In Vitro Ruminal Nutrient Digestibility (A Kurniawati, **LM Yusiati**, W Widodo, WT Artama) (2020)*

	Publisher: ANIMAL PRODUCTION 21 (1), 30-37 33. *Isolation and Identification of Lactic Acid Bacteria on Boiler Chicken (RE Mudawaroch, S Setiyono, **LM Yusiati**, E Suryanto) (2020)* *Publisher: Elkawnie: Journal of Islamic Science and Technology 6 (2), 287-301* 34. *The Use of Essential Oils as Rumen Modifier in Dairy Cattle (DAR Daning, C Hanim, BP Widyobroto, **LM Yusiati**) (2020)* *Publisher: WARTAZOA. Indonesian Bulletin of Animal and Veterinary Sciences 30 (4), 189-200* 35. *Effect of Drying Method on Physical-Chemical Characteristics and Amino Acid Content of Tropical Alfalfa (Medicago sativa L.) Hay for Poultry Feed (Bambang Suwignyo, Anita Mustika, Kustantinah, **Lies Mira Yusiati** and Bambang Suhartanto)2020 American Journal of Animal and Veterinary Sciences 2020, 15 (2): 118-122* 36. *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) (2020)* *Publisher: Livestock Research for Rural Development Vol. 32 No. 4* 37. *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**) (2020)* *Publisher: Buletin Peternakan 44 (2): 15-19, May 2020 ISSN-0126-4400/E-ISSN-2407-876X http://buletinpeternakan.fapet.ugm.ac.id/ Penerbit: Fakultas Peternakan UGM* 38. *Comparison of Nutrient Digestibility of Bligon and Kejobong Goats Fed by King Grass and Peanut Straw (Chusnul Hanim, **Lies Mira Yusiati**, I Gede Suparta Budisatria, and Fandi Widya Rachman) (2020)* *Publisher: Buletin Peternakan 44 (1): 6-9, February 2020 ISSN-0126-4400/E-ISSN-2407-876X Doi:10.21059/buletinpeternak.v44i1.36229 http://buletinpeternakan.fapet.ugm.ac.id/ https://jurnal.ugm.ac.id/buletinpeternakan/article/view/36229/27150. Penerbit: Fakultas Peternakan UGM* 39. *The Effect of Nutmeg Leaves Tannin (Myristica fragrans Houtt) as Protein Protecting Agents on In VitroNutrient Digestibility (Monica Canadianti, **Lies Mira Yusiati**, Chusnul Hanim, Budi Prasetyo Widyobroto, and Andriyani Astuti) (2020)* *Publisher: Buletin Peternakan 44 (1): 10-14, February 2020 ISSN-0126-4400/E-ISSN-2407-876X Doi:10.21059/buletinpeternak.v44i1.47976 http://buletinpeternakan.fapet.ugm.ac.id/. https://jurnal.ugm.ac.id/buletinpeternakan/article/view/47976/27151.*

	Penerbit: Fakultas Peternakan UGM 40. *Amomum compactum Soland ex Maton Addition as Essential Oil Source and Its Effect on Ruminal Feed Fermentation by in Vitro Analysis (Asih Kurniawati, Widodo, Wayan Tunas Artama,* ***Lies Mira Yusiati****) (2019)* *Publisher: Journal of BIOTROPIA Vol 26 No. 1: 1-5* 41. *Artificial Insemination on the Etawah Grade Goats Using Frozen Semen of Gembrong Goat (Bayu Andri Atmoko, Sigit Bintara, I Gede Suparta Budisatria, Dyah Maharani, Jafendi H P Sidadolog, Sumadi,* ***Lies Mira Yusiati****, and I Made Londra)(2019)* *Publisher: KnE Life Sciences. Volume 2019: 149-155. The UGM Annual Scientific Conference Life Sciences 2016 25–26 October 2016. ISSN: 2413-0877. DOI 10.18502/kls.v4i11.3860* 42. *Addition of Essential Oil Source, Amomum Compaction Soland ex Maton, and Its Effect On Ruminal Feed Fermentation In-Vitro (Asih Kurniawati, Widodo, Wayan Tunas Artama,* ***Lies Mira Yusiati****) (2019)* *Publisher: BIOTROPIA Vol. 26 No. 3 hal: 1-5* 43. *Bacteriocin Activity of Lactic Acid Bacteria Isolated from Rumen Fluid of Thin Tail Sheep (Okti Widayati, Zaenal Bachruddin, Chusnul Hanim,* ***Lies Mira Yusiati****, Nafiatul Umami) (2019)* *Publisher: Buletin Peternakan 43 (3): 158-165, August 2019* 44. *Effect of Cashew Nutshell Oil Supplementation as Phenol Source for Protein Protection on In Vitro Nutrient Digestibility (Rahma Fitriastuti,* ***Lies Mira Yusiati****, Budi Prasetyo Widyobroto, Zaenal Bachruddin, Chusnul Hanim) (2019)* *Publisher: Buletin Peternakan 43 (4): 225-230, November 2019* 45. *Study of Local Herb Potency as Rumen Modifier: Red Ginger (Zingiber officinale var. Rubrum) Addition Effect on In Vitro Ruminal Nutrien Digestibility (Asih Kurniawati,* ***Lies Mira Yusiati****, Widodo, Wayan Tunas Artama) (2019)* *Publisher: Jurnal Animal Production Vol 21 No. 1 hal: 30-37 ISSN: 1411-2027* 46. *Parameter of ruminal feed fermentation in vitro with the addition of clove essential oil (Syzygium aromaticum L.) as feed additive (Mulyandari, F.,* ***Yusiati, L.M****., Kurniawati, A.) (2019)* *Publisher: IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012111* 47. *Effect of protected and non-protected corn oil supplementation on in vitro rumen fermentation (Anam, M.S.,* ***Yusiati, L.M****., Hanim, C.) (2019)* *Publisher: IOP Conference Series: Earth and Environmental Science,*

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