

Staff Handbook

Name	<i>Dr. Ir. Chusnul Hanim, M.Si., IPM., ASEAN Eng.</i>		
Post	<i>Biotechnology</i>		
Academic career	<i>Professional Engineering (IPM)</i>	<i>Universitas Gadjah Mada</i>	<i>2018</i>
	<i>Doctorate</i>	<i>Universitas Gadjah Mada</i>	<i>2014</i>
	<i>Graduate degree</i>	<i>Universitas Gadjah Mada</i>	<i>2002</i>
	<i>Undergraduate degree</i>	<i>Universitas Gadjah Mada</i>	<i>1989</i>
Employment	<i>Associate Professor</i>	<i>Universitas Gadjah Mada</i>	<i>2013- present</i>
	<i>Assistant Professor</i>	<i>Universitas Gadjah Mada</i>	<i>2005-2013</i>
Research and development projects over the last 5 years	<p><i>Research projects:</i></p> <ol style="list-style-type: none"> 1. <i>Estimation of Rumen Microbial Protein Synthesis based on Excretion of Purine Derivatives in Urine by Spot Sampling Method, Rumen Parameters Blood Profile in Male and Female Garut Sheep (2021)</i> <i>Source of Funds: Final Project Recognition Universitas Gadjah Mada</i> 2. <i>Isolation, Identification, and Selection of Lactic Acid Bacteria and Acetic Acid Bacteria from Rabbit Cecum in Mitigation of Methane Production in the Rumen (2021)</i> <i>Source of Funds: Final Project Recognition Universitas Gadjah Mada</i> 3. <i>Effect of Forage-Concentrate Ratio on Nutrient Digestibility, Nitrogen Balance and Rumen Microbial Protein Synthesis in Garut Sheep (2021)</i> <i>Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada</i> 4. <i>Study of Superior Proteolytic Lactic Acid Bacteria and Its Application in Preservation and Improvement of Feed Protein Quality (2020)</i> <i>Source of Funds: Final Project Recognition Universitas Gadjah Mada</i> 5. <i>Feed Supplement Products (Multi-Functional Feed Additive) to Increase Reproductive Productivity and Quality of Livestock Products (2020)</i> <i>Source of Funds: National Research Priority, Kemenristekdikti</i> 6. <i>The Role of HQFS (High-Quality Feed Supplement)-PRO Supplements for Improving Beef Cattle Reproductive Status (2020)</i> <i>Source of Funds: PTUPT, PTNBH-Kemenristekdikti</i> 7. <i>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</i> 		

	<p><i>Livestock (2020)</i></p> <p><i>Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada</i></p> <p>8. <i>Contribution of Basal Excretion to Total Purine Derivative Excretion in Urine of Male and Female Garut Sheep (2020)</i></p> <p><i>Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants</i></p> <p>9. <i>Effect of Addition of Mahogany Leaves (Swietenia mahagoni) as a Source of Tannins on Digestibility of Feed, Excretion of Purine Derivatives in Urine and Nitrogen Balance of Merino Sheep (2020)</i></p> <p><i>Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants</i></p> <p>10. <i>Isolation, Optimization and Molecular Identification of Bacillus Indigenous Bacteria in Kampung Chickens Producing Bacteriocins and Potential as Probiotics (2019)</i></p> <p><i>Source of Funds: Source of Funds: Final Project Recognition Universitas Gadjah Mada</i></p> <p>11. <i>Estimation of Rumen Microbial Protein Synthesis Based on Excretion of Purine Derivatives in Urine by Spot Sampling Method in Merino Sheep (2019)</i></p> <p><i>Source of Funds: Excellent Basic Research for Higher Education, Ristekdikti</i></p> <p>12. <i>The GUSTOR® and essential oils influence small intestinal histology and growth performances in the broiler (2019)</i></p> <p><i>Source of Funds: Norel Nutrition, Spain</i></p> <p>13. <i>Study of Natural Bioactive Compounds from Nutmeg (Myristica fragrance) Fruits, Seeds and Leaves and Their Applications in Improving Feed Quality and Livestock Productivity (2019)</i></p> <p><i>Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada</i></p> <p>14. <i>Effect of Cutting Age of Cichorium intybus Planted in Pennisetum purpureum cv Mott on Growth, Production, Nutrient Content and Digestibility (2019)</i></p> <p><i>Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants</i></p> <p>15. <i>Estimation of Rumen Microbial Protein Synthesis Based on the Excretion of Purine Derivatives in Urine by Spot Sampling Method in Sheep Merin (2018)</i></p>
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	<p><i>Source of Funds: PDUPT, Ristekdikti</i></p> <p>16. <i>Optimizing the Potential of Jabres Cattle in the Seed Source Area, Bantarkawung District, Brebes Regency (2018)</i></p> <p><i>Source of Funds: Leading Higher Education Applied Research (PTUPT), Ristekdikti</i></p> <p>17. <i>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)</i></p> <p><i>Source of Funds: Laboratory Thematic Grant, Faculty of Animal Science Universitas Gadjah Mada</i></p> <p>18. <i>Effect of Addition of Agricultural Waste as a Source of Malate on In Vitro Digestibility (2018)</i></p> <p><i>Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants</i></p> <p>19. <i>Estimation of Rumen Microbial Protein Synthesis Based on Excretion of Purine Derivatives in Urine by Spot Sampling Method in Merino Sheep (Year 1) (2017)</i></p> <p><i>Source of Funds: FUNDAMENTAL DIKTI</i></p> <p>20. <i>Natural Bioactives as Feed Additive for Animal Feed: Production and Extraction of Natural Bioactives as Feed Additive for Sheep Animal Feed (2017)</i></p> <p><i>Source of Funds: PUPT DIKTI</i></p> <p>21. <i>Utilization of Moist Ratio Based on Lactic Acid Bacterial Fermentation in Ruminant Livestock Development (2017)</i></p> <p><i>Source of Funds: Prospective Technology-Based Startup Company (CPPBT)</i></p> <p>22. <i>Plant Secondary Metabolites as Feed Additives: Effect of Patchouli Essential Oil (Pogostemon cablin Benth.) in In Vitro Rumen Fermentation (2017)</i></p> <p><i>Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada</i></p> <p>23. <i>Effect of Addition of Green Tea (Camellia sinensis) and Storage Time on Total Microbes, Antioxidant Activity, Chemical and Physical Quality of Lamb Sausage (2017)</i></p> <p><i>Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants</i></p> <p>24. <i>Effect of Addition of Cashew Seed Oil in Feed on Rumen Microbial</i></p>
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	<p><i>Protein Synthesis and Nitrogen Balance in Bligon Goats (2017)</i> <i>Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants</i></p> <p>25. <i>Effect of Differences in Age of Rubber Plants on Weed Fermentation Characteristics (2017)</i> <i>Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants</i></p> <p>26. <i>Role of Secondary Metabolites in Livestock: Effect of Subpages: Feed Implementation with Nutmeg Essential Oil (Myristica fragrant) as a Source of Antioxidants on Goat Meat Quality (Member of 7 Researchers) (2016)</i> <i>Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada</i></p> <p>27. <i>Reducing Toxicity of Aflatoxin B1 in Broilers Using a Combination of Cysteine and Methionine in Feed (Member of 5 Researchers) (2016)</i> <i>Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants</i></p>
Industry collaborations over the last 5 years	-
Patents and proprietary rights	-
Important publications over the last 5 years	<p><i>Total number of publications: 91</i></p> <ol style="list-style-type: none"> <i>Effect of mycorrhizal provision and watering frequency on productivity and fresh material of forage sorghum (Sorghum bicolor (L.) Moench) (Y S N Mbeong, N Umami*, C Hanim, A Astuti, Muhlisin, E R V Rahayu) (2022)</i> <i>Publisher: IOP Conference Series: Earth and Environmental Science Volume 951 (2022) 012005 (pp. 1-10) pISSN: 1755-1307, eISSN: 1755-1315</i> <i>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)</i> <i>Publisher: IOP Conference Series: Earth and Environmental Science Volume 951 (2022) 012047 pp. 1-8 pISSN: 1755-1307, eISSN: 1755-1315.</i> <i>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)</i> <i>Publisher: Advances in Animal and Veterinary Sciencesm January</i>

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4. *Dietary Supplementation of Galangal (Alpinia galangal) Essential Oil Affects Rumen Fermentation Pattern.* (Dewi Ratih Ayu Daning, L.M. Yusiati¹, **C. Hanim**, B.P. Widyobroto) (2022).

Publisher: Advances in Animal and Veterinary Sciences. ISSN (Online) | 2307-8316.

5. *The relationship of estrus character before double dose artificial insemination in Limousin Crossbred cow* (Putri Utami, Muhammad Zainul Hanif, Aulia Puspita Anugra Yekti, Joko Riyanto, **Chusnul Hanim** and Trinil Susilawati*) (2022)

Publisher: E3S Web of Conferences Volume 335 (2022) 00031 (1-9) The 2nd International Conference on Environmentally Sustainable Animal Industry (The 2nd ICESAI 2021) Malang, Indonesia, October 12, 2021

6. *Role of high quality feed supplement additional to the success of artificial insemination using sexing semen on Limousin Crossbred Cow* (Muhammad Zainul Hanif, Putri Utami, Rizki Prafitri, **Chusnul Hanim** and Trinil Susilawati*) (2022)

Publisher: E3S Web of Conferences Volume 335 (2022) 00032 (1-8) The 2nd International Conference on Environmentally Sustainable Animal Industry (The 2nd ICESAI 2021) Malang, Indonesia, October 12, 2021

7. *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)

8. *Characteristics of Ruminant 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)

9. *Feed Intake and Feed Digestibility of Male Merino Sheep with Adding Mahogany Leaves (Swietenia 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)

10. *Effect of Fermented Concentrate on Growth Performance of Brahman Crossbred Steers: A Preliminary Study* (Mohammad Sofi'ul Anam,

Chusnul Hanim, Andriyani Astuti, Ali Agus) (2021)

Publisher: Advances in Biological Sciences Research, Volume 18 Proceedings of the 9th International Seminar on Tropical Animal Production (ISTAP 2021)

11. *The Effect of the Purple Sweet Potato (Ipomoea Batatas L.) on the Fish Waste Silage Composition (Muhammad Zulfikar Fikri, Zaenal Bachruddin, Asih Kurniawati, **Chusnul Hanim**) (2021)*

Publisher: Advances in Biological Sciences Research, Volume 18 Proceedings of the 9th International Seminar on Tropical Animal Production (ISTAP 2021)

12. *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)

13. *The effect of hay alfalfa (Medicago sativa L.) supplementation in different basal feed on the feed intake (FI), body weight, and feed conversion ratio of hybrid ducks (B Suwignyo, E Suryanto, SIN Samur, **C Hanim**) (2021)*

Publisher: IOP Conference Series: Earth and Environmental Science 686 (1), 012039

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 (WL Barus, Z Bachruddin, **C Hanim**, LM Yusiati) (2021)*

Publisher: IOP Conference Series: Earth and Environmental Science 686 (1), 012047

15. *Growth and biomass production of chicory (Cichorium intybus L) planted in an intercropping system with Pennisetum purpureum cv. Mott and cut at different ages (N Zaini, N Umami, **C Hanim**, A Astuti, B Suwignyo) (2021)*

Publisher: IOP Conference Series: Earth and Environmental Science 667 (1), 012012

16. *The effect of additional tannins source from Mahogany leaves (Swietenia mahagoni) to purine derivate excretion in urine and synthesis of rumen microbial protein of Merino sheep (EA Lestari, **C Hanim**, LM Yusiati, A Kurniawati) (2021)*

Publisher: IOP Conference Series: Earth and Environmental Science 667 (1), 012062

17. *Merino sheep nitrogen balance with the addition of mahogany leaves (Swietenia mahagoni) as tannins source in feed (ER Azizah, **C Hanim**, LM Yusiati, A Kurniawati) (2021)*

Publisher: IOP Conference Series: Earth and Environmental Science 667 (1), 012014

18. *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 (DN Cahyo, LM Yusiati, A Kurniawati, C Hanim) (2021)*

Publisher: IOP Conference Series: Earth and Environmental Science 637 (1), 012058

19. *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), 189-20

20. *Effects of Probiotic, Prebiotic, and Synbiotic Mixed Culture Based on Wheat Pollard on Productivity of Kampung's Chicken (CS Utama, Z Zuprizal, C Hanim, W Wihandoyo) (2020)*

Publisher: Jurnal Ilmu Ternak dan Veteriner 25 (4), 196-205

21. *Nutrient content, fiber fraction, and ethanol production of three cultivars (Pennisetum purpureum Scumach.) (N Umami, D Ananta, Z Bachruddin, B Suhartanto, C Hanim) (2020)*

Publisher: E3S Web of Conferences 200, 03008

22. *Supplementation Alfalfa (Medicago sativa L.) in commercial feed on physic and chemical quality meat of hybrid duck (SA Addini, B Suwignyo, C Hanim) (2020)*

Publisher: E3S Web of Conferences 200, 03012

23. *Processing of Mixed Culture Sinbiotics Originating from the Combination of Wheat Pollard as Prebiotics and Fermented Cabbage Juice as Probiotics through the Fermentation Process (CS Utama, Z Zuprizal, C Hanim, W Wihandoyo) (2020)*

Publisher: Jurnal Aplikasi Teknologi Pangan 9 (3): 133-148

24. *The Effect of Bromelain from Pineapple (Ananas comosus) on Increasing Protein Digestibility of Milk Replacer for Lamb (L Putriana, Z Bachruddin, C Hanim, A Kurniawati, LM Yusiati, O Widayati) (2020)*

Publisher: IOP Conference Series: Earth and Environmental Science 478 (1), 012030

25. *Effect of Combination of Protected and Non-Protected Corn Oil Supplementation on In Vitro Nutrient Digestibility (MS Anam, LM Yusiati, C Hanim, Z Bachruddin, A Astuti) (2020)*

Publisher: IOP Conference Series: Earth and Environmental Science 478 (1), 012026

26. *Effect of (Leucaena leucocephala) Leaves as Tannin Source on Rumen Microbial Enzyme Activities and In Vitro Gas Production Kinetics (MMP Mahanani, A Kurniawati, C Hanim, MA Anas, LM*

	<p>Yusiati) (2020)</p> <p><i>Publisher: IOP Conference Series: Earth and Environmental Science 478 (1), 012088</i></p> <p>27. <i>Heating Effect on Rumen Digestion of Protein Feeds Fermented by Lactic Acid Bacteria (HL Sanjaya, Z Bachrudin, A Kurniawati, C Hanim, LM Yusiati) (2020)</i></p> <p><i>Publisher: IOP Conference Series: Earth and Environmental Science 478 (1), 012029</i></p> <p>28. <i>Effect of Cinnamon Bark Meal (Cinnamomum burmanni Ness ex Bl) on In Vitro Methane Production and Rumen Methanogens Diversity (I Hadianto, LM Yusiati, Z Bachrudin, B Suhartanto, C Hanim, A Kurniawati) (2020)</i></p> <p><i>Publisher: IOP Conference Series: Earth and Environmental Science 478 (1), 012027</i></p> <p>29. <i>The effect of turmeric (Curcuma longa L.) powder addition as a natural antibiotic on the quality of milk replacer for lamb during storage (H Devi, Z Bachruddin, C Hanim) (2020)</i></p> <p><i>Publisher: IOP Conference Series: Earth and Environmental Science 462 (1), 012009</i></p> <p>30. <i>The Effect of Nutmeg Leaves Tannin (Myristica fragrans Hoult) as Protein Protecting Agents on In Vitro Nutrient Digestibility (M Canadianti, LM Yusiati, C Hanim, BP Widyobroto, A Astuti) (2020)</i></p> <p><i>Publisher: Buletin Peternakan 44 (1): 10-14</i></p> <p>31. <i>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, WE Saputra, L Mahardillah, C Hanim, LM Yusiati) (2020)</i></p> <p><i>Publisher: IOP Conference Series: Earth and Environmental Science 425 (1), 012085</i></p> <p>32. <i>Physicochemical Properties, Oxidative Stability, and Sensory Quality of Lamb Sausage Added with Green Tea Leaves (Camellia Sinensis) Powder (Lailatul P, Jamhari, Chusnul Hanim, Agung Irawan) (2020)</i></p> <p><i>Publisher: Tropical Animal Science Journal, Volume 43(1), 2020: 57-63.</i></p> <p>33. <i>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)</i></p> <p><i>Publisher: Buletin Peternakan 44 (1): 6-9, February 2020</i></p> <p>34. <i>The Substitution Effects of Tapioca Starch and Beetroot Powder As Filler on the Physical and Sensory Characteristics of Chicken Sausage (Winny Swastike, Edi Suryanto, Rusman, Chusnul Hanim, Jamhari, Yuny Erwanto, Jumeri) (2020)</i></p>
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Publisher: Jurnal Ilmu dan Teknologi Hasil Ternak, July 2020 Vol. 15 No. 2 : 97-107

35. *Growth Performance of Broiler Chickens Fed Diets Containing Amorphophallus campanulate Fermented with Bacillus subtilis (Theresia Nur Indah Koni, Zuprizal, Rusman, **Chusnul Hanim**) (2019)*

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 220-224. ISBN: 978-979-1215-37-4.

36. *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

37. *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

38. *Pengaruh Lama Pemanasan terhadap Kualitas Kimia Wheat Pollard yang Berpotensi sebagai Prebiotik (CS Utama, Z Zuprizal, **C Hanim**, W Wihandoyo) (2019)*

Publisher: Jurnal Aplikasi Teknologi Pangan 8 (3), 113-121

39. *Isolation and identification of bacteriocin producing lactic acid bacteria from rumen fluid of thin tail sheep (O Widayati, Z Bachruddin, **C Hanim**, LM Yusiati, N Umami) (2019)*

Publisher: ON UNIVERSAL WELLBEING (ICUW 2019), 147

40. *Effect of Cashew Nutshell Oil Supplementation as Phenol Source for Protein Protection on In Vitro Nutrient Digestibility (R Fitriastuti, LM Yusiati, BP Widyobroto, Z Bachruddin, **C Hanim**) (2019)*

Publisher: Buletin Peternakan 43 (4), 225-230

41. *Effect of banana and mango waste product as the malic acid source on methane gas production (WS Saputro, **C Hanim**, LM Yusiati, Z Bachruddin, A Pertiwiningrum) (2019)*

Publisher: IOP Conference Series: Earth and Environmental Science 387 (1), 012026

42. *The effect of BAV addition as a feed additive in laying hen ration on quality and chemical composition of egg (MA Anas, A Agus, **C Hanim**, HJ Babikian, B Jiaravanon) (2019)*

Publisher: IOP Conference Series: Earth and Environmental Science 387 (1), 012090

43. *Effect of cinnamon bark meal (Cinnamomum burmanni Ness ex Bl) addition as cinnamaldehyde source on in vitro nutrient digestibility (I*

	<p>Hadianto, LM Yusiati, Z Bachruddin, B Suhartanto, C Hanim) (2019) Publisher: IOP Conference Series: Earth and Environmental Science 387 (1), 012058</p> <p>44. Growth optimization of <i>Bacillus subtilis</i> 11A isolated from Indonesian native chicken (<i>Gallus domesticus</i>) for bacteriocin production (VA Cahya, C Hanim, LM Yusiati, Z Bachruddin, Y Erwanto) (2019) Publisher: IOP Conference Series: Earth and Environmental Science 387 (1), 012013</p> <p>45. Evaluation of rumen microbial nitrogen supply in Batur sheep fed different ratios of concentrate-forage diets (C Hanim, LM Yusiati) (2019) Publisher: IOP Conference Series: Earth and Environmental Science 387 (1), 012104</p> <p>46. Effect of <i>Leucaena leucocephala</i> substitution on in vitro rumen fermentation and methane emission in thin tailed-sheep (LM Yusiati, C Hanim, MA Anas, BN Muktiari) (2019) Publisher: IOP Conference Series: Earth and Environmental Science 387 (1), 012124</p> <p>47. The effect of the aerated storage system and turmeric (<i>Curcuma longa</i> L.) addition on the quality of lactic acid bacteria fermented feed (D Hardiansyah, Z Bachruddin, LM Yusiati, C Hanim, A Astuti) (2019) Publisher: IOP Conference Series: Earth and Environmental Science 387 (1), 012100</p> <p>48. Effect of protected and non-protected corn oil supplementation on in vitro rumen fermentation (MS Anam, LM Yusiati, C Hanim) (2019) Publisher: IOP Conference Series: Earth and Environmental Science 387 (1), 012118</p> <p>49. The effect of addition of turmeric (<i>Curcuma longa</i> L.) on the rancidity process of concentrate feed based on lactic acid bacteria fermentation during aerobic storage (AW Pangistika, Z Bachruddin, A Kurniawati, R Utomo, C Hanim) (2019) Publisher: IOP Conference Series: Earth and Environmental Science 387 (1), 012099</p> <p>50. Effects of cinnamon bark meal (<i>Cinnamomum burmanni</i> Ness ex Bl) as protein protection agent on in vitro rumen fermentation characteristic (I Hadianto, LM Yusiati, Z Bachrudin, B Suhartanto, C Hanim) (2019) Publisher: IOP Conference Series: Earth and Environmental Science 387 (1), 012060</p> <p>51. Potential of eating seeds (<i>Parinarium glaberrimum</i> Hassk.) as a psychobiotic candidate in poultry ratio based on nutrient composition, phytochemical and antibacterial properties (SCH Hehanussa, ND Dono, C Hanim) (2019)</p>
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	<p><i>Publisher: IOP Conference Series: Earth and Environmental Science 387 (1), 012072</i></p> <p>52. <i>Bacteriocin Activity of Lactic Acid Bacteria Isolated from Rumen Fluid of Thin Tail Sheep (O Widayati, Z Bachruddin, C Hanim, LM Yusiati, N Umami) (2019)</i></p> <p><i>Publisher: Buletin Peternakan 43 (3): 158-165</i></p> <p>53. <i>Effect of Nano-encapsulation of Noni (Morinda citrifolia) Fruit Extract on Jejunal Morphology and Microbial Populations in Laying Hens (Zainal Choiri, N. Danar Dono, Bambang Ariyadi, Chusnul Hanim, Ronny Martien and Zuprizal) (2018)</i></p> <p><i>Publisher: Pak. J. Nutr., 17 (1): 34-38, 2018</i></p> <p>54. <i>Isolasi dan Identifikasi Bakteri Asam Laktat Selulolitik yang Berasal dari Jus Kubis Terfermentasi (CS Utama, Z Zuprizal, C Hanim, W Wihandoyo) (2018)</i></p> <p><i>Publisher: Jurnal aplikasi teknologi pangan 7 (1): 1-6</i></p> <p>55. <i>Probiotic Testing of Lactobacillus Brevis and Lactobacillus Plantarum from Fermented Cabbage Waste Juice (C.S. Utama, Zuprizal, Chusnul Hanim, and Wihandoyo) (2018)</i></p> <p><i>Publisher: Pakistan Journal of Nutrition Vol. 17 No. 7. Page 323-328.</i></p> <p>56. <i>Protein binding capacity of different forages tannin (LM Yusiati, A Kurniawati, C Hanim, MA Anas) (2018)</i></p> <p><i>Publisher: IOP Conference Series: Earth and Environmental Science 119 (1), 012007</i></p> <p>57. <i>Growth and production of Brachiaria brizantha cv. MG5 in three different regrowth phases treated by gamma radiation dose (AN Respati, N Umami, C Hanim) (2018)</i></p> <p><i>Publisher: Tropical Animal Science Journal 41 (3), 179-184</i></p> <p>58. <i>Nutrient intake and digestibility in Merino sheep fed peanut straw (C Hanim) (2018)</i></p> <p><i>Publisher: IOP Conference Series: Earth and Environmental Science 119 (1), 012005</i></p> <p>59. <i>Addition of Mineral Premix Enriched with 'BAV' Blend of Essential Oils in The Ration of Lactating Dairy Cattle on The Feed Intake, Body Weight and Milk Production (Ali Agus, Anas M.A., Hanim C., Babikian H., Babikian Y., Jiaravanon B.) (2018)</i></p> <p><i>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 479. https://symposium.inra.fr/isnh2018. Penerbit: Cambridge University Press</i></p> <p>60. <i>Estimation of rumen microbial nitrogen supply using urinary purine derivatives excretion in merino sheep fed by peanut straw (Hanim C.,</i></p>
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	<p>Yusiati L.M., Muhlisin) (2018)</p> <p><i>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 401. https://symposium.inra.fr/isnh2018. Penerbit: Cambridge University Press</i></p> <p>61. <i>The Effect of Lactose Level as Substrate to Bacteriocins Production on Lactobacillus paracasei Fermentation (Bachruddin, Z., Kurniawati, A., Yusiati, L.M., Hanim, C. & Marantika, Y.) (2018)</i></p> <p><i>Publisher: E-Proceedings 18th AAAP Congress 2018, 1-5 Aug. 2018, Kuching, Malaysia. pp. 98</i></p> <p>62. <i>In Vitro Digestibility and Rumen Fermentation Parameters of Feed as Affected by Teak Leaves Addition as Source of Tannin (Chusnul Hanim, Lies Mira Yusiati, Raditya Windar Anggoro) (2018)</i></p> <p><i>Publisher: E-Proceedings 18th AAAP Congress 2018, 1-5 Aug. 2018, Kuching, Malaysia. pp. 354</i></p> <p>63. <i>The Estimation of Rumen Microbial Protein Synthesis Based on Urinary Purine Derivates Excretion of Bligon Goats Fed by Fermented Feed and Peanut Straw (Lies Mira Yusiati, Chusnul Hanim, Zaenal Bachruddin, Annas) (2018)</i></p> <p><i>Publisher: E-Proceedings 18th AAAP Congress 2018, 1-5 Aug. 2018, Kuching, Malaysia. pp. 100</i></p> <p>64. <i>Effect of 'BAV' Addition as Feed Additive in Laying Hen Ration on Quality and Chemical Composition of Egg (Agus, A., Anas, M.A., Hanim, C.1, Babikian, H.J. & Jiaravanon, B.) (2018)</i></p> <p><i>Publisher: E-Proceedings 18th AAAP Congress 2018, 1-5 Aug. 2018, Kuching, Malaysia. pp. 426</i></p> <p>65. <i>Ukuran Tubuh dan Pertumbuhan Pasca Sapih Sapi Jabres Jantan dan Betina Di Kecamatan Bantarkawung, Brebes, Jawa Tengah (Panjono, Siti Andarwati, Diah Tri Widayati, Chusnul Hanim, I Gede Suparta Budisatria, Dyah Maharani, dan Miftahush S. Haq) (2018)</i></p> <p><i>Publisher: Prosiding Simposium Nasional Penelitian dan Pengembangan Peternakan Tropik 2018 "Inovasi Teknologi Peternakan Menyongsong Era Industri 4.0". Fakultas Peternakan Universitas Gadjah Mada, Yogyakarta, 5 November 2018. Hal. 197-201. ISBN: 978-979-1215-33-6</i></p> <p>66. <i>Physical and Organoleptic Quality of Pellet with Different Tubers Type as Binder (Penulis ke-2 dari 3) (2017)</i></p> <p><i>Publisher: The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 209-215. ISBN: 978-979-1215-29-9</i></p> <p>67. <i>The Effect of Alfalfa Meal Supplementation in Concentrate on Feed Digestibility of Ettawa Crossbred Goat (Penulis ke-1 dari 3) (2017)</i></p>
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Publisher: Proceedings of The 5th International Seminar of Animal Nutrition & Feed Science (ISAINI), Mataram-Indonesia, 7-9 November 2017. Pages: 164-170. ISBN: 978-602-51437-0-0 eISBN: 978-602-51437-1-7

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	<p>dengan Tambahan Vitamin E (Penulis ke-3 dari 5) (2016)</p> <p><i>Publisher: Prosiding Simposium Nasional Penelitian dan Pengembangan Peternakan Tropik Tahun 2016. Fakultas Peternakan Universitas Gadjah Mada, Yogyakarta. ISBN: 978-979-1215-28-2, hal: 77-78</i></p> <p>84. <i>Potensi dan Produksi Hijauan Pakan Ternak di Lahan Pertanian Banyusoco Playen Gunung Kidul (Penulis ke-7 dari 9) (2016)</i></p> <p><i>Publisher: Prosiding Simposium Nasional Penelitian dan Pengembangan Peternakan Tropik Tahun 2016. Fakultas Peternakan Universitas Gadjah Mada, Yogyakarta. ISBN: 978-979-1215-28-2, hal: 82-93</i></p> <p>85. <i>Improvement of Nutritional Value of Soybean Meal Fermented by Phytase-Producing Bacteria from Tofu-Industry Waste Soil (Penulis ke-1 dari 3) (2016)</i></p> <p><i>Publisher: Proceedings of the 1st UGM International Conference on Tropical Agriculture (ICTA), 25-26 October 2016. Yogyakarta, Indonesia</i></p> <p>86. <i>The Effect of Lactic Acid Bacteria and Different Level of Carbohydrate Sources Addition on Tofu Waste Industry Fermentation (Penulis ke-4 dari 4) (2016)</i></p> <p><i>Publisher: Proceedings of the 1st UGM International Conference on Tropical Agriculture (ICTA), 25-26 October 2016. Yogyakarta, Indonesia</i></p> <p>87. <i>Digestibility of peanut straw and concentrate with addition of vitamin E in Female Bligon Goat (Penulis ke-3 dari 4) (2016)</i></p> <p><i>Publisher: Proceedings of the 1st UGM International Conference on Tropical Agriculture (ICTA), 25-26 October 2016. Yogyakarta, Indonesia</i></p> <p>88. <i>Reproductive Performance of Jabres Cow at Ketanggungan District, Brebes Regency, Central Java Province, Indonesia (Penulis ke-3 dari 7) (2016)</i></p> <p><i>Publisher: Proceedings of the 1st UGM International Conference on Tropical Agriculture (ICTA), 25-26 October 2016. Yogyakarta, Indonesia</i></p> <p>89. <i>The Comparison of Nutrient Digestibility of Bligon and Kejobong Goats Fed King Grass and Peanuts Straw (Penulis ke-1 dari 4) (2016)</i></p> <p><i>Publisher: Proceedings The 17th Asian-Australasian Association of Animal Production Societies Animal Science Congress. 22-25 August 2016, Fukuoka, Japan. Pages: 890-902</i></p> <p>90. <i>Digestibility and Nitrogen Balance of Male Bligon and Kejobong Goat Fed Peanuts Straw (2016)</i></p> <p><i>Publisher: Proceedings The 17th Asian-Australasian Association of Animal Production Societies Animal Science Congress. 22-25 August</i></p>
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<p>Activities in specialist bodies over the last 5 years</p>	<p>-</p>

