Staff Handbook

Name	*Dr. Ir. Bambang Suhartanto, DEA., IPU.*		
Post	*Applied of Physiology for Livestock Production: Herbivore Nutrition*		
Academic career	*Professional Engineering (IPU)*	*Universitas Gadjah Mada*	*2018*
	Doctorate	*Universitas Gadjah Mada*	*2015*
	Graduate degree	*Montpelier University / France*	*1990*
	Undergraduate degree	*Universitas Gadjah Mada*	*1982*
Employment	*Associate Professor*	*Universitas Gadjah Mada*	*2002-present*
	Assistant Professor	*Universitas Gadjah Mada*	*2001-2002*
Research and development projects over the last 5 years	*Research projects:* 1. *Somatic Embryogenesis and Hydrophonic Cultivation of Corn (Zea mays) (2020)* *Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada* 2. *Increasing the Population of Spotted Deer (Axis axis) in the Special Region of Yogyakarta, Using Modern Animal Husbandry Industry Patterns to Help Accelerate the National Meat Self-Sufficiency Program (2019)* *Source of Funds: BOPTN BH UGM* 3. *Development of Dry Resistant Local Grass to Improve Feed Resilience (2019)* *Source of Funds: PTUPT BOPTN BH UGM* 4. *Productivity of Intercropping Sorghum to Increase Feed Resilience (2019)* *Source of Funds: Final Project Recognition Program, UGM* 5. *Effect of Differences in Light Intensity on Productivity of Alfalfa (Medicago sativa L.) (2019)* *Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science UGM* 6. *Effect of Cutting Age of Cichorium intybus Planted in Pennisetum purpureum cv Mott on Growth, Production, Nutrient Content and Digestibility (2019)* *Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants* 7. *Development of Dry Resistant Local Grass to Improve Feed Resilience (2018)* *Source of Funds: PTUPT, Ristekdikti*		

	8. *Study of Animal Feed Carrying Capacity in Gunung Kidul Regency (2018)* *Source of Funds: Cooperation between PT Almas and the Gunungkidul Regency Government* 9. *Effect of Cutting Age and Sorghum Varieties Grown in Stylosanthes Pastures on Production, Nutrient Content, Digestibility and Prusic Acid (2018)* *Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants* 10. *Evaluation of Various Sorghum bicolor sp. As a Source of Feed Biomass and Bioethanol (2018)* *Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants* 11. *Productivity of Sorghum BMR F1 as a Source of Dry Resistant Feed Plant Seed (2018)* *Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science UGM* 12. *Adaptability and Production of Superior Feed Crops for Introduction in Indonesia (2018)* *Source of Funds: Partnership with Crop Mark Seed Company New Zealand* 13. *Morphological Characteristics, Production and Quality of Introduced Feed Crops in Yogyakarta (Member of 4 researchers) (2017)* *Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science UGM* 14. *Effect of Addition of Cashew Seed Oil in Feed on Rumen Microbial Protein Synthesis and Nitrogen Balance in Bligon Goats (Member of 5 researchers) (2017)* *Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants* 15. *Prospects of Grass Seed Development to Provide Forage Seeds for Animal Feed in Indonesia: Different planting and harvesting methods on production and seed quality of Brachiaria sp. (Member of 4 Researchers) (2016)* *Source of Funds: DIKTI* 16. *Study on the Potential of Weeds and Weeds as Tropical Animal Feed (Member of 4 Researchers) (2016)* *Source of Funds: PUPT DIKTI* 17. *Development of Dry Resistant Local Grass to Improve Feed Resilience (Member of 4 Researchers) (2016)* *Source of Funds: PUPT DIKTI*

	18. *Assembling of Biogas-Gama Absorbent Technology to Increase Methane Gas Storage Capacity to Support Renewable Energy Independence (Member of 4 Researchers) (2016)* *Source of Funds: DIKTI (Higher University Research)* 19. *Formulation of a 4-year Vocational High School Curriculum in Organic Agriculture in Support of Food Resilience in Collaboration with the French Government (Member of 4 Researchers) (2016)* *Source of Funds: Directorate of Vocational Development, Ministry of Education and Culture* 20. *Massive Open On-Line Course for Seed Production of Forage Plants with Development of Learning Media to Improve Student Understanding in the Field of Forage Animal Food (Member of 4 Researchers) (2016)* *Source of Funds: E-Learning Enhancement Grant, UGM Center for Information and Academic Policy* 21. *Somatic Embryogenesis in Grass Plants Brachiaria decumbens (Member of 4 Researchers) (2016)* *Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science, UGM* *Community Service over the last 5 years* 1. *Development of HMT Nursery at Bumi Kayangan Farm Group Wonosari Gunung Kidul (2020)* *Source of Funds: PPKDY* 2. *Feed Availability and Resources on Yogyakarta Area: Case Study in Goat and Sheep Farmers Association (2020)* *Source of Funds: DPKM UGM* 3. *Dissemination of Research Results on Gama Umami Grass Development at Bumi Kayangan Farm Duwet Village, Wonosari District, Gunung Kidul Regency (2020)* *Source of Funds: Faculty of Animal Science UGM* 4. *Feed Amelioration and Revitalization in Farmers and Feed Units of the Yogyakarta Sheep Farmers Union during the COVID-19 Outbreak (2020)* *Source of Funds: Thematic Grants for Laboratory Service UGM Faculty of Animal Science* 5. *Livestock Chat (OPERA) Series #3 on Saturday, 20 June 2020 with the theme Survival Strategy in the Covid-19 Era (2020)* *Source of Funds: Universitas Gadjah Mada, Faculty of Animal Science* 6. *Introduction of Integrated Bee Cultivation with Feed Plants Based on the Community Potential of Wonolagi Hamlet, Ngleri Village, Playen*

	Gunungkidul District, Yogyakarta (2019) *Source of Funds: Universitas Gadjah Mada, Faculty of Animal Science* 7. *Empowerment of Dairy Cattle Farmers through the Implementation of Integrated Farming at the Pacitan Regency Annual Village Cattle Group (2019)* *Source of Funds Universitas Gadjah Mada, Faculty of Animal Science* 8. *Free Lecture Speaker: For You Farmers, We Serve "Integrated Livestock Systems" (2019)* *Source of Funds: Universitas Gadjah Mada, Faculty of Animal Science* 9. *Guidance of KWT Gama Ngudi Lestari (Beat Goat Breeding) (2018)* *Source of Funds: Self Funded* 10. *Introduction of Integrated Bee Cultivation with Feed Plants Based on the Community Potential of Banyusoco Village, Playen, Gunungkidul, Yogyakarta (2018)* *Source of Funds: Laboratory Thematic Service Grants, Faculty of Animal Science Universitas Gadjah Mada* 11. *Development of Forage Breeding Groups in the Yogyakarta Goat and Sheep Breeding Association (2018)* *Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants* 12. *Integrated Farming (Integration Models). Free Lecture Materials For You Our Farmers Serve (2018)* *Source of Funds: Faculty of Animal Science* 13. *Education on the Importance of Tree Legumes as Multipurpose Crops in an Integrated Agricultural System as a Disaster Mitigation Strategy in Kalibening Village, Dukun District, Magelang Regency (2017)* *Source of Funds: Education for Sustainable Development (ESD)* 14. *Holcim Integrated Farming" collaboration between the Faculty of Animal Science UGM and PT Holcim Indonesia Tbk. (2017)* *Source of Funds: PT. Holcim Indonesia, Tuban* 15. *Speakers in Integrated Farming (Free Lecture "For You Farmers We Serve") (2017)* *Source of Funds: Funds are not binding* 16. *Introduction of Integrated Bee Cultivation with Feed Plants Based on the Potential of the Jatikuning Community, Ngoro-oro, Patuk, Gunungkidul, Yogyakarta (2017)*

	Source of Funds: Laboratory Thematic Service Grants, Faculty of Animal Science Universitas Gadjah Mada 17. *Extension of Forage for Livestock for Ngelosari Piyungan Village, Bantul (2017)* *Source of Funds: Faculty of Animal Science, Universitas Gadjah Mada* 18. *Introduction of Integrated Bee Cultivation with Feed Plants Based on the Potential of the Community of Malangrejo Hamlet, Wedomartani Village, Ngemplak Sleman Yogyakarta (2016)* *Source of Funds: Faculty of Animal Science Service Thematic Grants* 19. *Application of Feed Management Based on Local Forage Sources for Sheep Farmers in the Gajah Wong Community, Ledhok, Timoho, Yogyakarta (2016)* *Source of Funds: Postgraduate Program Service Grants, Universitas Gadjah Mada Faculty of Animal Science.*
Industry collaborations over the last 5 years	-
Patents and proprietary rights	1. *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* 2. *Complete Fermented Feed Formulation Made from Sorghum for Ruminants and the Process (****Bambang Suhartanto****, Dian Astuti)* *2020*
Important publications over the last 5 years	*Total number of publications: 57* 1. *The effect of 2,4-dichlorophenoxyacetic acid, benzyl amino purin and cupric sulphate on in vitro propagation system from shoot apices of shoot tiller of hybrid Napier grass (Pennisetum purpureum Schum) (N Umami*, E R V Rahayu,* ***B Suhartanto****, N Suseno) (2022)* *Publisher: IOP Conference Series: Earth and Environmental Science Volume 951 (2022) 012088 pp. 1-7 pISSN: 1755-1307, eISSN: 1755-1315* 2. *Hijauan Pakan Ternak Forbs (Brassica rapa dan Cichorium intibus) (Nafiaul Umami,* ***Bambang Suhartanto****, Ali Agus, Farah Siti Zakiyyah) (2022)* *Publisher: Pandiva Book, Yogyakarta ISBN: 978-602-5583-75-9 68 pages.* 3. *The Effect of Fermentation Time on the Nutritional Value of Sago Hampas (Heru Ponco Wardono, Ali Agus, Andriyani Astuti, Nono*

	*Ngadiyono, **Bambang Suhartanto**) (2021)* *Publisher: Advances in Biological Sciences Research, Volume 18 Proceedings of the 9th International Seminar on Tropical Animal Production (ISTAP 2021)* 4. *The Effect of Sorghum Varieties (Sorghum bicolor (L.) Moench) and Protein Levels on Chemical Composition and In Vitro Digestibility of Fermented Complete Feed (ADT. Dewi, **B. Suhartanto,** A Astuti, D Astuti) (2021)* *Publisher: Key Engineering Materials 884(1):171-177* 5. *The Effect of Sorghum Varieties on Digestibility and Nitrogen Balance of Complete Feed in Goats (ERV. Rahayu, **B. Suhartanto**, IGS. Budisatria, D. Astuti) (2021)* *Publisher: Key Engineering Materials 884(1):184-190* 6. *Chemical Quality and Digestibility Value in Silage of Pennisetum purpuphoides and Pennisetum purpureum Gamma with Different Levels of Molasses Supplementation (M. Fahmi, R. Utomo, **B. Suhartanto**, A. Astuti, N.Umami) (2021)* *Publisher: Key Engineering Materials 884(1):204-211* 7. *Second regrowth phase generative characteristics of alfalfa (Medicago sativa L.) with the addition of lighting duration and dolomites (B Suwignyo, F Adnan, N Umami, G Pawening, N Suseno, **B Suhartanto**) (2021)* *Publisher: IOP Conference Series: Earth and Environmental Science 667 (1), 012023* 8. *Effect of density between intercropped sorghum and stylosanthes on biomass production and quality under varying NPK fertilizer application rates (D. Astuti, **B. Suhartanto**, N. Umami, A. Irawan) (2020)* *Publisher: Journal of Crop Science and Biotechnology 23(3): 197-205* 9. *Productivity and Nutrient Content of the Second Regrowth Alfalfa (Medicago sativa L.) with Different Photoperiod and Dolomite (B Suwignyo, FXD Kurniawan, N Suseno, R Utomo, **B Suhartanto**) (2020)* *Publisher: Animal Production, 22 (2), 74-81* 10. *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* 11. *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) *Publisher: IOP Conference Series: Earth and Environmental Science 478 (1), 012027* 12. *The Effect of Cutting Age and Ratooning on Growth, Production, and Nutrient Content of Brown Midrib Resistance Sorghum (**B Suhartanto**, S Widodo, N Umami, R Prasadita, R Utomo) (2020)* *Publisher: IOP Conference Series: Earth and Environmental Science 465 (1), 012027* 13. *Content of Prussic Acid and Production of Sorghum Brown Midrib by Adding Urea Fertilizer and Extending Harvesting Time (N Umami, N Isnaini, **B Suhartanto**) (2020)* *Publisher: Animal Production, 21 (2), 93-97* 14. *Evaluation Use of Calliandra calothyrsus Substituted Soybean Meal Supplement on Feed Nutrient Intake and Digestibility in the Kacang Goat (FA Atmojo, **B Suhartanto**, IH Zulfa, K Kustantinah) (2020)* *Publisher: Key Engineering Materials 840, 107-112* 15. *Degradation of Nitrogen Fraction in Kacang Goats Feed Supplementation Calliandra calothyrsus Substituted Soybean Meal (K Kustantinah, **B Suhartanto**, E Indarto, IH Zulfa, FA Atmojo) (2020)* *Publisher: Key Engineering Materials 840, 118-123* 16. *Effect of planting densities and fertilization levels on the production and quality of Chicory (Cichorium intybus) in Yogyakarta, Indonesia (N Umami, MP Dewi, **B Suhartanto**, N Suseno, A Agus) (2020)* *Publisher: IOP Conference Series: Earth and Environmental Science 425 (1), 012073* 17. *Productivity, Nutrient Composition, and Hydrocyanic Acid Concentration of Super-2 Forage Sorghum at Different NPK Levels and Planting Spaces (D. Astuti, **B. Suhartanto**, N. Umami, A. Irawan) (2019)* *Publisher: Tropical Animal Science Journal 42 (3): 189-195* 18. *Potential of forage production on dryland agriculture with mixed cropping pattern (**B Suhartanto**, S Widodo, ES Lestari) (2019)* *Publisher: IOP Conference Series: Earth and Environmental Science 387 (1), 012061* 19. *Effect of cinnamon bark meal (Cinnamomum burmanni Ness ex Bl) addition as cinnamaldehyde source on in vitro nutrient digestibility (I Hadianto, LM Yusiati, Z Bachruddin, **B Suhartanto**, C Hanim) (2019)* *Publisher: IOP Conference Series: Earth and Environmental Science 387 (1), 012058* 20. *Growth and production of Cichorium intybus in the second regrowth with different planting densities in Yogyakarta, Indonesia (N Umami, I*

	*Wiratih, A Agus, **B Suhartanto**)(2019)* *Publisher: IOP Conference Series: Earth and Environmental Science 387 (1), 012098* 21. *Effect of sorghum varieties and molasses addition on prussic acid content and silage quality (LN Handriati, **B Suhartanto**, S Widodo, MP Dewi, N Umami) (2019)* *Publisher: IOP Conference Series: Earth and Environmental Science 387 (1), 012062* 22. *The effect of concentrate supplementation during pregnancy on calving performance in oil palm-cattle integrated system (E Endrawati, **B Suhartanto**, E Baliarti) (2019)* *Publisher: IOP Conference Series: Earth and Environmental Science 387 (1), 012064* 23. *Pengaruh Umur Panen Dan Level Pupuk Nitrogen Terhadap Produksi Dan Kandungan Nutrien Sorghum bicolor L. Varietas Numbu (D. Astuti, **B. Suhartanto**, B. Suwignyo, MZ. Asyiqi) (2019)* *Publisher: Agrinova : Journal Agro Technology Innovation 2(2): 9-16* 24. *Estimation of production and quality of forage under palm oil plantations in different sections (S Martono, **B Suhartanto**, R Utomo) (2019)* *Publisher: IOP Conference Series: Earth and Environmental Science 387 (1), 012014* 25. *Effects of cinnamon bark meal (Cinnamomum burmanni 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* 26. *The Effect of Variety and Harvesting Time of Sorghum Planted in Stylosanthes Pasture on Growth, Production and Prussic Acid Content (MP Dewi, N Umami, **B Suhartanto**) (2019)* *Publisher: Buletin Peternakan 43 (3): 166-170* 27. *Carrying Capacity Estimation of Herbicide-Treated and Untreated Palm Oil Plantation for Bali Cattle (E Endrawati, P Panjono, **B Suhartanto**, E Baliarti) (2019)* *Publisher: Buletin Peternakan 43 (2): 130-134* 28. *Effect of Cutting Frequency of Cassava Leaves on Composition and Production during the Dry Season (R Utomo, **B Suhartanto**, B Suwignyo, S Widodo) (2019)* *Publisher: IOP Conference Series: Earth and Environmental Science 251 (1), 012059* 29. *Effect of shading and level of nitrogen fertilizer on the nutrient quality*

	*of Pennisetum purpureum cv Mott during the wet season (S Widodo, **B Suhartanto**, N Umami) (2019)* *Publisher: IOP Conference Series: Earth and Environmental Science 247 (1), 012007* 30. *Effect Of Protein Supplementation Made Of Rejects Soybean Prepared With Different Treatments On Meat Quality Of Onggole Crossbreed Cattle (**Bambang Suhartanto**, Ristianto Utomo, Mochammad Fahmi Habibi, Dian Astuti) (2018)* *Publisher: IFoSAC2018 – Empowering Food Sustainability, pp. 66* 31. *The Effect of Planting Material on Nutrient Quality and Production of Brachiaria spp. in Yogyakarta, Indonesia (Nafiatul Umami, Slamet Widodo, **Bambang Suhartanto**, Bambang Suwignyo, Nilo Suseno and Cuk Tri Noviand) (2018)* *Publisher: Pak. J. Nutr., 17 (12): 671-676, 2018* 32. *Effects of Season, Species and Botanical Fraction on Oxalate Acid in Brachiaria spp. Grasses in Yogyakarta, Indonesia (Nafiatul Umami, **Bambang Suhartanto**, Bambang Suwignyo, Nilo Suseno and Farma Herminasari) (2018)* *Publisher: Pakistan Journal of Nutrition Vol. 17 No. 6. Page 300-305.* 33. *Evaluation of nutrient composition and in vitro digestibility of Vigna radiate straw using thin tailed sheep rumen fluid as microbial source (Umami N., **Suhartanto B**., Suwignyo B.) (2018)* *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 379. https://symposium.inra.fr/isnh2018. Penerbit: Cambridge University Press* 34. *Effect of Protein Supplementation Made of Rejects Soybean Prepared with Different Treatments On Meat Quality of Ongole Crossbred Cattle (**Bambang Suhartanto**, Ristianto Utomo, Mochammad Fahmi Habibi, and Dian Astuti) (2018)* *Publisher: Book of Abstract: The International Food Science and Agrotechnology Conference 2018 (IFOSAC), 7 – 9 Agustus 2018, Terengganu, Malaysia. pp. 66* 35. *The Effect of Planting Material On Chemical Composition, Production, And Digestibility of Brachiaria Sp (Nafiatul Umami, Widodo, **Bambang Suhartanto**) (2018)* *Publisher: Book of Abstract: The International Food Science and Agrotechnology Conference 2018 (IFOSAC), 7 – 9 Agustus 2018, Terengganu, Malaysia. pp. 43* 36. *Role of Organic Soil Amendment of Paramagnetic Humus and Compost for Rehabilitation of Post Tin-Mined Tropical Land (Cahyono Agus Dwi Koranto, Winastuti Dwi Atmanto, Ambar*

	*Pertiwiningrum, **Bambang Suhartanto**)(2018)* *Publisher: International Journal of Smart Grid and Clean Energy Vol. 7 No. 4. Page 1-5. ISSN 2315-4462. http://www.ijsgce.com/.* 37. *Estimation of Forage Consumption of Bali Cattle Grazing on Oil Palm Plantation using Geographic Information System Method (Baliarti, E., Budisatria, I. G. S, Panjono, Suhartanto, **B, Suwignyo**, B., Agus, A., Maulana, M. & Atmoko, B. A.) (2018)* *Publisher: E-Proceedings 18th AAAP Congress 2018, 1-5 Aug. 2018, Kuching, Malaysia. pp. 86* 38. *Morphological Characteristics and Biomass Production of Chicory (Cichoriumintybus L.) in Yogyakarta (Penulis ke-2 dari 7) (2017)* *Publisher: The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 52-56. ISBN: 978-979-1215-29-9* 39. *Nutrient Composition and In Vitro Digestibility of Brachiaria decumbens cv. Basilisk with Different Level of Fertilizer (Penulis ke-3 dari 4) (2017)* *Publisher: The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 143-146. ISBN: 978-979-1215-29-9* 40. *Nutrient Adequacy of Bali Cattle Fed Only Forage Derived From Palm Oil Plantation in Riau Indonesia (Penulis ke-3 dari 4) (2017)* *Publisher: The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 830-834. ISBN: 978-979-1215-29-9* 41. *Productivity and Quality of Forages in Grassland Merapi Post-Eruption Area, Sleman, Yogyakarta, Indonesia (Penulis ke-2 dari 6) (2016)* *Publisher: Prosiding Simposium Nasional Penelitian dan Pengembangan Peternakan Tropik Tahun 2016. Fakultas Peternakan Universitas Gadjah Mada, Yogyakarta. ISBN: 978-979-1215-28-2, hal: 43* 42. *Gulma: Nilai Nutrisi sebagai Pakan Ternak pada Perbedaan Musim (Penulis ke-5 dari 5) (2016)* *Publisher: Prosiding Simposium Nasional Penelitian dan Pengembangan Peternakan Tropik Tahun 2016. Fakultas Peternakan Universitas Gadjah Mada, Yogyakarta. ISBN: 978-979-1215-28-2, hal: 71* 43. *Embriogenesis Somatik dan Regenerasi Rumput Brachiaria Decumbens (Penulis ke-6 dari 6) (2016)* *Publisher: Prosiding Simposium Nasional Penelitian dan Pengembangan Peternakan Tropik Tahun 2016. Fakultas Peternakan Universitas Gadjah Mada, Yogyakarta. ISBN: 978-979-*

	1215-28-2, hal: 72-76 44. *Potensi dan Produksi Hijauan Pakan Ternak di Lahan Pertanian Banyusoco Playen Gunung Kidul (Penulis ke-2 dari 9) (2016)* *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* 45. *Potensi Hijauan Makanan Ternak di Bawah Lahan Perkebunan Kelapa Sawit Sei Rokan Riau (Penulis ke-3 dari 13) (2016)* *Publisher: Prosiding Simposium Nasional Penelitian dan Pengembangan Peternakan Tropik Tahun 2016. Fakultas Peternakan Universitas Gadjah Mada, Yogyakarta. ISBN: 978-979-1215-28-2, hal: 94-100* 46. *Kondisi Hijauan Pakan Padang Penggembalaan Alam di Doroncanga Kecamatan Pekat Kabupaten Dompu Provinsi Nusa Tenggara Barat (Penulis ke-3 dari 3) (2016)* *Publisher: Prosiding Simposium Nasional Penelitian dan Pengembangan Peternakan Tropik Tahun 2016. Fakultas Peternakan Universitas Gadjah Mada, Yogyakarta. ISBN: 978-979-1215-28-2, hal: 101-106* 47. *Performan Induk Sapi Bali Selama Bunting yang Dipelihara Peternak Mitra PT. Perkebunan Nusantara V Riau (Penulis ke-5 dari 14) (2016)* *Publisher: Prosiding Simposium Nasional Penelitian dan Pengembangan Peternakan Tropik Tahun 2016. Fakultas Peternakan Universitas Gadjah Mada, Yogyakarta. ISBN: 978-979-1215-28-2, hal: 216-221* 48. *Pengaruh Proporsi Abu Vulkanik dan Jenis Cacing Tanah terhadap Kualitas Vermikompos Feses Sapi Potong (Penulis ke-4 dari 5) (2016)* *Publisher: Prosiding Simposium Nasional Penelitian dan Pengembangan Peternakan Tropik Tahun 2016. Fakultas Peternakan Universitas Gadjah Mada, Yogyakarta. ISBN: 978-979-1215-28-2, hal: 384-398* 49. *Somatic Embryogenesis and Regeneration of Brachiaria decumbens from Immature Inflorescences (Penulis ke-5 dari 6) (2016)* *Publisher: Proceedings of The 17th Asian-Australasian Association of Animal Production Societies Animal Science Congress, 22-25 August 2016, Fukuoka, Japan* 50. *The effect of Rejected Soybean Supplementation with Different Treatments on Onggole Crossbred Cattle Feed (Penulis ke-1 dari 4) (2016)* *Publisher: Proceedings of The 17th Asian-Australasian Association*

	of Animal Production Societies Animal Science Congress, 22-25 August 2016, Fukuoka, Japan 51. *Productivity and Nutrients Quality of Two Varieties Brachiaria sp On Different Level of Fertilizer In Yogyakarta Indonesia (Penulis ke-2 dari 3) (2016)* *Proceedings of The 17th Asian-Australasian Association of Animal Production Societies Animal Science Congress, 22-25 August 2016, Fukuoka, Japan* 52. *Study for Dominance and Nutrition of Weeds as Feed-in Various Crop Land in Yogyakarta (Penulis ke-5 dari 5) (2016)* *Publisher: Proceedings of The 17th Asian-Australasian Association of Animal Production Societies Animal Science Congress, 22-25 August 2016, Fukuoka, Japan* 53. *Behaviour of Bali Cattle During Grazing in Palm Oil Plantation Riau, Indonesia (Penulis ke-2 dari 9) 2016 Proceedings of The 17th Asian-Australasian Association of Animal Production Societies Animal Science Congress, 22-25 August 2016, Fukuoka, Japan* 54. *Estimation of Genetic Diversity within and among Brachiaria Sp. distribution Revealed by RAPD Marker (Penulis ke-2 dari 4) (2016)* *Publisher: Proceedings of the 1st UGM International Conference on Tropical Agriculture (ICTA), 25-26 October 2016. Yogyakarta, Indonesia* 55. *Generative Plant Growth Characteristic Of Alfalfa (Medicago sativa L.) By Additional Dolomite and Lighting Duration Treatment (Penulis ke-3 dari 7) (2016)* *Publisher: Proceedings of the 1st UGM International Conference on Tropical Agriculture (ICTA), 25-26 October 2016. Yogyakarta, Indonesia* 56. *Feeding Strategy of Ruminants and Its Potential Effect on Methane Emission Reduction (Penulis ke-2 dari 5) (2016)* *Publisher: Journal of Agricultural Science; Vol. 8, No. 9; 2016. pages: 199-204. ISSN: 1916-9752 E-ISSN 1916-9760* 57. *Penggunaan Fermentasi Pakan Komplit Berbasis Hijauan Pakan dan Jerami untuk Pakan Ruminansia (Penulis ke-5 dari 6) (2016)* *Publisher: Indonesian Journal of Community Engagement Vol. 01, No. 02 Maret 2016. Pages: 255-263. ISSN: 2640-9447*
Activities in specialist bodies over the last 5 years	-