Staff Handbook

Name	*Prof. Dr. Ir. Budi Prasetyo Widyobroto, DESS., DEA., IPU., ASEAN Eng.*		
Post	*Nutrition and Dairy Production*		
Academic career	*Professional Engineering (IPU)*	*Universitas Gadjah Mada*	*2018*
	Professor (Prof)	*Universitas Gadjah Mada*	*2011*
	Doctorate	*University The Rennes I France*	*1992*
	Graduate degree	*University The Rennes I France*	*1988*
		IEMVT-INAPG / France	*1988*
	Undergraduate degree	*Universitas Gadjah Mada*	*1984*
Employment	*Professor*	*Universitas Gadjah Mada*	*2011-present*
	Associate Professor	*Universitas Gadjah Mada*	*2001-2011*
	Assistant Professor	*Universitas Gadjah Mada*	*2000-2001*
Research and development projects over the last 5 years	*Research projects:* 1. *Development of Blended Protein-Mineral Supplements to Increase Productivity of Lactation Dairy Cattle (2020-2022)* *Source of Funds: PTUPT, PTNBH- Kemdikbudristek* 2. *Improving Feed Nutrient Efficiency, Production and Quality of Milk of Dairy Cattle with Addition of Galangal Essential Oil (2021)* *Source of Funds: PSS-PPD, PTNBH-Kemdikbudristek* 3. *Effects of Bioactive Legumes on Metabolic, Endocrinological, Lactogenic, and Immunological Status of Dairy Cattle In the Periparturient Period In Vitro (2020)* *Source of Funds: Final Project Recognition, Universitas Gadjah Mada* 4. *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* 5. *Phytochemical Analysis and Antioxidant Activity Test of Some Animal Feed Legumes (2020)* *Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada* 6. *Effects of Bioactive Legumes on Metabolic, Endocrinological, Lactogenic, and Immunological Status of Dairy Cattle in the Periparturient Period In Vitro (2019)* *Source of Funds: Final Project Recognition, Universitas Gadjah Mada* 7. *Evaluation of Nutritional Status and Improvement Efforts to Increase the Productivity of People's Dairy Farms (2019)*		

	Source of Funds: Leading University Applied Research, Ristekdikti 8. *Identification of Glucogenic Amino Acids in Several Legumes (2019)* *Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada* 9. *Feed Supplementation of Protected Sources of Fat and Protein on Dairy Cattle Milk Production and Quality (2018)* *Source of Funds: Masters Education Research towards Doctorate for Superior Bachelors- PMDSU, Ristekdikti* 10. *Evaluation of Nutritional Status and Efforts to Improve it to Increase the Productivity of People's Dairy Farms (2018)* *Source of Funds: PTUPT, Ristekdikti* 11. *The Effect of Nutrition and Metabolic Hormones on Fertility in Holstein Friesian Breeds in Smallholder Farms (2018)* *Source of Funds: Masters Education Research towards Doctorate for Superior Bachelors- PMDSU, Ristekdikti* 12. *Biochemical Profile of Blood and Steroid Hormones in Semi-Intensively Raised Ettawa Crossbreeds (2018)* *Source of Funds: Masters Education Research towards Doctorate for Superior Bachelors- PMDSU, Ristekdikti* 13. *Characteristics of Galatogogue Compounds in the Rumen and Effectiveness of Immunomodulatory Compounds in Legumes In Vitro (2018)* *Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada* 14. *Identification of Galactagogue and Immunomodulator Compounds for Perparturient Period Dairy Cattle from Legumes (2018)* *Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants* 15. *Identification of Fertility of Holstein Friesian Breeds based on Urea Nitrogen and Leptin Levels in Blood (2018)* *Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants* 16. *Evaluation of Nutritional Status and Improvement Efforts to Increase Productivity of People's Dairy Farms (Year I) (2017)* *Source of Funds: PUPT DIKTI* 17. *Effect of Nutrition and Metabolic Hormones on Fertility in Holstein Friesian Breeds in Smallholder Farms (2017)* *Source of Funds: PMDSU DIKTI* 18. *Biochemical Profile of Blood and Steroid Hormones in Semi-Intensively Raised Ettawa Crossbreeds (2017)*

	Source of Funds: PMDSU DIKTI 19. *Feed Supplementation of Protected Sources of Fat and Protein on Dairy Cattle Milk Production and Quality (2017)* *Source of Funds: PMDSU DIKTI* 20. *Efforts to Increase Production and Quality of People's Dairy Cattle (Guided by PT Indolakto) in Karangploso-Malang Ranch through Ration Improvement (2017)* *Source of Funds: PT. Indofood Research Nugraha* 21. *Identification of Factors Affecting Fatty Acid Composition in Goat's Milk: A Case Study on PE Goat Breeders in Sleman Regency (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 (2017)* *Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants* 23. *Supplementation of Fast-Degraded Energy Sources and Long-Chain Fatty Acids in Grass-Legume Mixed Feeds: Effects on Digestibility, Rumen Fermentation Characteristics, and In Vitro Production of Methane Gas (2017)* *Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants* 24. *Evaluation of Nutritional Status and Efforts to Improve it to Increase the Productivity of People's Dairy Farms (Chairman of 3 Researchers) (2016)* *Source of Funds: PUPT DIKTI* 25. *Lactation Characteristics and Evaluation of Feeding Saanen Dairy Goats at the Center for Superior Cattle Breeding and Forage Animal Feed Baturraden Purwokerto (Chairman of 6 Researchers) (2016)* *Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada* 26. *Evaluation of Protection Methods for Fat and Protein Sources of Feed Ingredients against Protein and Fat Degradation In Sacco and In Vitro (Chairman of 5 Researchers) (2016)* *Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants* 27. *Digestibility Values in Sacco and in Vitro and Characteristics of Complete Feed Rumen Fermentation from Industrial Waste of Remang Fish Crackers (Congresox talabon) as Alternative Feed Protein Source (Member of 5 Researchers) (2016)* *Source of Funds: Faculty of Animal Science Universitas Gadjah Mada*

	Postgraduate Research Grants 28. *Identification of Fertility of Frisian Holstein Breeds Based on Urea Levels in Milk (Member of 3 Researchers) (2016)* *Source of Funds: DIKTI Fundamentals* 29. *Mapping of the People's Dairy Farming Industry as a Basis for Implementation of Livestock Technology Based on Local Wisdom in the Context of Improving the Livestock Economy (Member of 5 Researchers) (2016)* *Source of Funds: PUPT DIKTI* 30. *Feed Supplementation of Protected Fat and Protein Sources on Dairy Cattle Milk Production and Quality (Member of 4 Researchers) (2016)* *Source of Funds: PMDSU DIKTI* 31. *Effect of Nutrition and Metabolic Hormones on Fertility in Holstein Friesian Breeds in Smallholder Farms (Member of 4 Researchers) (2016)* *Source of Funds: PMDSU DIKTI* *Community Service over the last 5 years* 1. *Application of the Fashion Concept in the People's Goat Milk Industry in the Special Region of Yogyakarta (2020)* *Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada* 2. *Guidance on the Implementation of Good Dairy Farming Practice for Dairy Goat Breeders in Turi and Berbah Sleman (2019)* *Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants* 3. *Improving Milk Quality Towards Independent Milk Marketing Efforts in Andini Gotro Group, Tempel, Sleman (2018)* *Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada* 4. *Strengthening Dairy Farmers Groups Towards a Strong Dairy Agribusiness Concept: Implementation of Good Dairy Practices in Farmer Groups (2017)* *Source of Funds: Faculty of Animal Science Service Thematic Grants* 5. *Increasing Livestock Productivity Through Group Strengthening and Introduction of Forage Banks in the Livestock Group of Pereng Hamlet, Sumberharjo Village, Prambanan District, Sleman Regency (2017)* *Source of Funds: Faculty of Animal Science Postgraduate Grants* 6. *Strengthening Dairy Cattle Breeding Groups Towards a Resilient Dairy Agribusiness Concept: Strengthening Dairy Cattle Management (2016)* *Source of Funds: Faculty of Animal Science Service Thematic Grants*

Industry collaborations over the last 5 years	1. *Project title: Increase Production and Quality of Dairy Cattle in Karangploso-Malang Ranch through Ration Improvement (2017).* *Partners: PT. Indofood Sukses Makmur Tbk.* 2. *Project title: Functional Food Based on Local Wisdom and Potential in the Era of the COVID-19 Pandemic 2020-2021* *Partners: PT. Indofood Sukses Makmur Tbk.*
Patents and proprietary rights	1. *Controlled Concentrate Formula for High Production Lactation Dairy Cattle Using Agricultural Industrial Waste (**Budi Prasetyo Widyobroto**, Rochijan, Cuk Tri Noviandi, Andriyani Astuti)* *2019*
Important publications over the last 5 years	*Total number of publications: 76* 1. *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.* 2. *Nutrient status, hematological and blood metabolite profile of mid-lactating dairy cows during wet and dry seasons raised under Indonesian tropical environmental conditions (Andriyani Astuti, Rochijan, **Budi Prasetyo Widyobroto**, Cuk Tri Noviandia (2022).* *Publisher: J Anim Behav Biometeorol (2022) 10:2207* 3. *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 Conf. Series: Earth and Environmental Science 951 (2022) 012047.* 4. *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)* 5. *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)* 6. *Physiological responses of the Holstein Friesian Dairy Cattle raised*

	*under tropical conditions in Indonesia (H Leondro**, BP Widyobroto,** A Agus) (2021).* *Publisher: Journal of Physics: Conference Series 1869 (1), 012161* 7. *Determination of in vitro Gas Production Kinetics by Adding Leucaena leucecophala and Corn Oil to the Ration in Different Ratios (CT Noviandi, K Kustaantinah, A Irawan**, BP Widyobroto,** A Astuti) (2021).* *Publisher: Iranian Journal of Applied Animal Science 11 (1), 23-31.* 8. *Meta-analysis of the effect of essential oil usage towards the production and milk composition of dairy cow. D R A Daning, L M Yusiati, C Hanim, and **B P Widyobroto** (2021).* *Publisher: IOP Conf. Series: Earth and Environmental Science 733 (2021) 012105.* 9. *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) (2021).* *Publisher: Advances in Animal and Veterinary Sciences. ISSN (Online)	2307-8316; ISSN (Print)	2309-3331* 10. *Addition of bovine serum albumin (BSA) in cauda epididymal plasma-2 (CEP-2) extender to Ongole grade bull sperm motility and membrane integrity during the freezing process. A Rachmawati, Ismaya, **B P Widyobroto**, S Bintara and T Susilawati (2021).* *Publisher: IOP Conf. Series: Earth and Environmental Science 788 (2021) 012132.* 11. *In vitro ruminal and post-ruminal nutrients degradation due to varying proportions of Leucaena leucocephala added with corn oil in the ration. (Agung Irawan, Cuk Tri Noviandi*, Kustantinah, **Budi Prasetyo Widyobroto**, and Andriyani Astuti) (2021).* *Publisher: Songklanakarin J. Sci. Technol. 43 (4), 1197-1203, Jul. - Aug. 2021.* 12. *Microenvironment identification and the feed availability for Dairy Cattle during dry and wet seasons in the main dairy areas of Yogyakarta–Indonesia (**BP Widyobroto**, CT Noviandi, A Astuti) (2020).* *Publisher: Journal of Animal Behaviour and Biometeorology 7 (2), 86-91.* 13. *Lactation Characteristic of Etawah Crossed Breed Goats Under Intensive Management (A Yustina Yuni Suranindyah, **Budi Prasetyo Widyobroto**, Sulvia Dwi Astuti SW, Tridjoko Wisnu Murti) (2020).* *Publisher: Buletin Peternakan 44 (1), 22-26.* 14. *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. 15. *The Effect of Soybean Meal Heating Time on the in vitro Digestibility and Ruminal Fermentation Profile (W Wulandari, **BP Widyobroto**, CT Noviandi, A Agus) (2020).* *Publisher: Iranian Journal of Applied Animal Science 10 (4), 595-601.* 16. *Effect of Leucaena leucocephala and corn oil on ruminal fermentation, methane production and fatty acid profile: an in vitro study (A Irawan, CT Noviandi, **BP Widyobroto**, A Astuti, S Ates) (2020).* *Publisher: Animal Production Science 61(5) 459-469 https://doi.org/10.1071/AN20003.* 17. *Behavior and blood profile in Friesian-Holstein dairy cattle in the special region of Yogyakarta, Indonesia (MF Hudaya, PI Sitaresmi, CT Noviandi, **BP Widyobroto**, DT Widayati) (2020).* *Publisher: Journal of Animal Behaviour and Biometeorology 8 (4), 244-249* 18. *Identification of Glucogenic Amino Acids Content in Gliricidia maculata as an Alternative Energy Source for High-Yielding Periparturient Dairy Cattle (Sulvia Dwi Astuti SW, **BP Widyobroto,** A Agus, LM Yusiati) (2020).* *Publisher: Buletin Peternakan 44 (2): 15-19.* 19. *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) (2020).* *Publisher: IOP Conference Series: Earth and Environmental Science 478 (1), 012020.* 20. *The Effect of Nutmeg Leaves Tannin (Myristica fragrans Houtt) as Protein Protecting Agents on In VitroNutrient Digestibility (AA MONICA CANADIANTI, Lies Mira Yusiati, **Budi Prasetyo Widyobroto**) (2020).* *Publisher: Buletin Peternakan 44 (1), 10-14.* 21. *The genotype of growth hormone gene that affects the birth weight and average daily gain in crossbred beef cattle (T Hartatik, A Fathoni, S Bintara, DOAP Panjono, **BP Widyobroto,** A Agus, IGS Budisatria, P Leroy) (2020).* *Publisher: Biodiversitas 21 (3), 941-945.* 22. *Effects of body condition score and estrus phase on blood metabolites and steroid hormones in Saanen goats in the tropics (Pradita Iustitia Sitaresmi, **Budi Prasetyo Widyobroto**, Sigit Bintara and Diah Tri Widayati) (2020).* *Publisher: Veterinary World, 13(5): 833-839. EISSN: 2231-0916.* 23. *Association of IGFBP-3 gene polymorphism g. 3.930 G> A with birth size and birth weight in crossbred beef cattle (T Hartatik, DA Priyadi, P*

	*Panjono, S Bintara, I Ismaya, IGS Budisatria, **BP Widyobroto**, A Agus) (2019).* *Publisher: Journal of the Indonesian Tropical Animal Agriculture 44 (4), 356-363.* *24. The effect of Andromed® and coconut water+ 20% egg yolk as diluent on semen motility of Belgian Blue cattle (RN Aji, A Agus, **BP Widyobroto**, T Hartatik, IGS Budisatria, A Fathoni, S Kumala, S Bintara) (2019).* *Publisher: IOP Conference Series: Earth and Environmental Science 387 (1), 012127.* *25. 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, and Chusnul Hanim) (2019).* *Publisher: Buletin Peternakan 43 (4): 225-230.* *26. Effect of Different Bovine Serum Albumin (BSA) Levels on the Sperm Viability of Ongole Cross Bred Bull during 5° C Storage (A Rachmawati, **BP Widyobroto**, S Bintara, T Susilawati) (2019).* *Publisher: IOP Conference Series: Earth and Environmental Science 478 (1), 012068.* *27. In vitro digestibility of ruminant diet in response to protected feed substitution (**BP Widyobroto**, CT Noviandi, A Agus) (2019).* *Publisher: IOP Conference Series: Earth and Environmental Science 387 (1), 012113.* *28. Exfoliative vaginal cytology of Saanen goat (Capra hircus) during estrus cycle (PI Sitaresmi, **BP Widyobroto**, S Bintara, DT Widayati) (2019).* *Publisher: IOP Conference Series: Earth and Environmental Science 387 (1), 012009.* *29. Nutrient intake of lactating dairy cattle during the wet and dry seasons in Sleman, Yogyakarta (A Astuti, **BP Widyobroto**, CT Noviandi) (2019).* *Publisher: IOP Conference Series: Earth and Environmental Science 387 (1), 012067.* *30. The effect of 0.6 and 0.8% Bovine Serum Albumin (BSA) levels in the Cauda Epididymal Plasma-2 (CEP-2) diluent to maintain Ongole Crossbred post-thawing motility sperm (A Rachmawati, **BP Widyobroto**, S Bintara, T Susilawati) (2019).* *Publisher: IOP Conference Series: Earth and Environmental Science 387 (1), 012034.* *31. Phenotypic characteristics of Belgian Blue x Brahman Cross and Wagyu x Brahman Cross crossbred population (LLN Adi, A Agus, **BP***

	***Widyobroto**, IGS Budisatria, S Bintara, T Hartatik) (2019).* *Publisher: IOP Conference Series: Earth and Environmental Science 387 (1), 012036.* *32. Identification of galactogogues in Gliricidia maculata (SD Astuti, **BP Widyobroto**, A Agus, LM Yusiati) (2019)* *Publisher: IOP Conference Series: Earth and Environmental Science 387 (1), 012119* *33. Effects of undegradable dietary protein on milk production and composition of lactating dairy cattle (H Leondro, **BP Widyobroto**, A Agus) (2019)* *Publisher: IOP Conference Series: Earth and Environmental Science 387 (1), 012004* *34. The effect of protected soybean meal as a protein supplement on blood metabolites of lactating dairy cattle (H Leondro, **BP Widyobroto**, A Adiarto, A Agus) (2019)* *Publisher: Jurnal Ilmu-Ilmu Peternakan (Indonesian Journal of Animal Science) 29 (2): 178-184* *35. Blood and Hormonal Profile Association with the Length of Estrous Cycle in Saanen Etawah Crossbreed Goat (Sigit Bintara, Diah Tri Widayati, Pradita Iustitia Sitaresmi, Putri Kusuma Astuti, **Budi Prasetyo Widyobroto**) (2019)* *Publisher: Asian J. Biol. Sci. 12 (Http://knowledgiascientific.com), 187-191* *36. Transportasi Laut Ternak Hidup (Kambing - Domba) (FG Winarno dan Budi Prasetyo WB) (2019)* *Publisher: PT. Gramedia Jakarta. ISBN: 978-602-06-2015-2* *37. Cortisol and Blood Urea Nitrogen Profiles in Fertile and Repeat-breeder Holstein-friesian Crossbred Cattle (**Budi Prasetyo Widyobroto**, Yustina Yuni Suranindyah Diah Tri Widayati, Adiarto) (2019)* *Publisher: Pak. J. Biol. Sci 22 (Asian Network for Scientific Information), 356-360* *38. Impact of Extended Lactation on Fatty Acid Profile and Milk Composition of Dual Purpose Tropical Goat (Yustina Yuni Suranindyah, Rochijan, **Budi Prasetyo Widyob**roto and Sulvia Dwi Astuti) (2019)* *Publisher: Pakistan Journal of Biological Sciences 23 (2): 113-118* *39. The effect of protected soybean meal as a protein supplement on blood metabolites of lactating dairy cattle (Henny Leondro, **Budi Prasetyo Widyobroto**, Adiarto and Ali Agus) (2019)* *Publisher: Jurnal Ilmu-Ilmu Peternakan, 2019. 29(2) : 178 – 184* *40. Estrus Detection Through Vaginal pH in Saanen Etawah Crossbreed*

	*Goats (T Widayati, I Sitaresmi, S Bintara, **BP Widyobroto**) (2018)* *Publisher: Pakistan journal of biological sciences: PJBS 21 (8), 383-386* *41. Exfoliative vaginal cytology and vaginal acidity profile in Ettawa-Saanen grade does PI Sitaresmi, PK Astuti, **BP Widyobroto**, S Bintara, DT Widayati (2018)* *Publisher: International Journal of Pure and Applied Mathematics 118 (24), 1-16* *42. Dairy cattle productivity and socio-economic profile of dairy smallholder's communities in Yogyakarta, Indonesia (**BP Widyobroto**, CT Noviandi, A Astuti) (2018)* *Publisher: IOP Conference Series: Earth and Environmental Science 119 (1), 012060* *43. Aplikasi Inseminasi Buatan pada Induk Sapi Potong Menggunakan Semen Cair Sapi Peranakan Ongole dengan Pengencer Cauda Epidydymal Plasma-2+ 0, 6% Bovine Serum Albumin (A Rachmawati, I Ismaya, **BP Widyobroto**, S Bintara, T Susilawati) (2018)* *Publisher: Jurnal Ilmu-Ilmu Peternakan (Indonesian Journal of Animal Science) 28 (3): 247-258* *44. SRY Gene Marker Differences in Native and Crossbreed Cattle (Tety Hartatik, Dwi Ahmad Priyadi, Ali Agus, Sigit Bintara, I Gede Suparta Budisatria, Panjono Panjono, **Budi Prasetyo Widyobroto**, Yudi Adinata) (2018)* *Publisher: Buletin Peternakan 42(3): 179-183* *45. Motilitas Post-Thawing Spermatozoa Sapi Peranakan Ongole dalam Pengencer Cauda Epidydymal Plasma-2 Dengan Level Bovine Serum Albumin yang Berbeda (Achadiah Rachmawati, Ismaya, **Budi Prasetyo Widyobroto**, Sigit Bintara dan Trinil Susilawati) (2018)* *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. 167-172. ISBN: 978-979-1215-33-6* *46. Effect of Feeding High Proportion Concentrates Containing Tofu Waste on Nutrient Consumption, Milk Production, Body Condition Score and Postpartum Mating Period of Dairy Goats in Yogyakarta, Indonesia (Yustina Yuni Suranindyah, Rochijan, Adiarto, **Budi Prasetyo Widyobroto**, Sulvia Dwi Astuti and Tridjoko Wisnu Murti) (2018)* *Publisher: Pakistan Journal of Nutrition, 17(12): 702-708* *47. Effect of Different Rumen Undegraded Protein Level on Feed Consumption, Nutrient Digestion, Body Weight and Body Condition Score in Early Lactating Dairy Cattle (**Budi Prasetyo Widyobroto**, Rochijan, Fajar Satrio Pradana and Lies Mira Yusiati) (2018)*

	Publisher: OnLine Journal of Biological Sciences, 18 (2): 247.253 48. *Evaluation of Feeding High Proportion Concentrates Containing Tofu Waste On Nutrient Consumption, Milk Production and Body Condition Score of Dairy Goat in Smallholder of Yogyakarta (Yustina Yuni Suranindyah, Adiarto, Astuti, S.D., Tridjoko Wisnu Murti,* ***Budi Prasetyo Widyobroto****) (2018)* *Publisher: Book of Abstract: The International Food Science and Agrotechnology Conference 2018 (IFOSAC), 7 – 9 Agustus 2018, Terengganu, Malaysia. pp.56* 49. *Pre-Weaning Growth of Calves of Brahman Cross Cattle Sired with Wagyu and Belgian Blue Bull (Panjono, A. Agus, T. Hartatik, S. Bintara, I. Ismaya,* ***B.P. Widyobroto****, I.G.S. Budisatria, D.A. Priyadi, P. Leroy and N. Antoine-Moussiaux) (2018)* *Publisher: Book of Abstracts of the 69th Annual Meeting of the European Federation of Animal Science, Dubrovnik, Croatia, 27-31 August 2018. eISBN: 978-90-8686-871-1 | ISBN: 978-90-8686-323-5. https://doi.org/10.3920/978-90-8686-871-1 Volume 24.Wageningen Academic Publishers. pp. 384* 50. *Effect of Feeding High Proportion Concentrates Containing Tofu Waste on Nutrient Consumption, Milk Production, Body Condition Score and Postpartum Mating Period of Dairy Goats in Yogyakarta, Indonesia (Yustina Yuni Suranindyah, Rochijan, Adiarto,* ***Budi Prasetyo Widyobroto****, Sulvia Dwi Astuti and Tridjoko Wisnu Murti) (2018)* *Publisher: Pak. J. Nutr., 17 (12): 702-708, 2018* 51. *The effect of lactation stage on fatty acid profile and sensory properties of Etawah Crossbred goat milk (Suranindyah Y., Adiarto****, Widyobroto B.P****., Murti T.W., Astuti S.D., Rochijan) (2018)* *Publisher: Proceedings of the 10th International Symposium on the Nutrition of Herbivores (ISNH 2018), Volume 9, Isuue 3, ISSN: 2040-4700. 2-6 September 2018, Clermont-Ferrand, France, pp 450. https://symposium.inra.fr/isnh2018. Penerbit: Cambridge University Press* 52. *The feed availability for dairy cattle during dry and wet seasons in the main dairy areas of Yogyakarta–Indonesia (****Widyobroto B.P****., Rochijan, Noviandi C.T., Astuti A.) (2018)* *Publisher: Proceedings of the 10th International Symposium on the Nutrition of Herbivores (ISNH 2018), Volume 9, Isuue 3, ISSN: 2040-4700. 2-6 September 2018, Clermont-Ferrand, France, pp 740. https://symposium.inra.fr/isnh2018. Penerbit: Cambridge Uni versity Press* 53. *Accuracy of Estrus Detection Through Vaginal pH in Saanen Ettawah Crossbreed Goat (Diah Tri Widayati, Pradita Iustitia Sitaresmi, Sigit Bintara,* ***Budi Prasetyo Widyobroto****) (2018)* *Publisher: Book of Abstract : The International Food Science and*

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