



No.	Judul Penelitian <i>Research Title</i>	Tahun <i>Year</i>	Sumber Dana <i>Source of Funds</i>
	Jintan Hitam ( <i>Nigella sativa</i> L.) dan Aplikasinya pada Pakan Untuk Pengembangan Peternakan Ramah Lingkungan ( <i>Green Livestock</i> )		Laboratorium, Fakultas Peternakan UGM
11.	Pengaruh Penambahan Limbah Pertanian Sebagai Sumber Malat Terhadap Kecernaan Secara <i>In Vitro</i>	2018	Hibah Pascasarjana, Fakultas Peternakan UGM
12.	Pengaruh Penambahan Bawang Putih Terhadap Kualitas Kimia, Fisik, Sensoris, Aktivitas Antioksidan Dan Profil Asam Lemak Doner Kebab Ayam dan Kambing	2018	Hibah Pascasarjana, Fakultas Peternakan UGM
13.	Bioaktif Natural sebagai Feed Additive Pakan Ternak : Produksi dan Ekstraksi Bioaktif Natural sebagai Feed Additive Pakan Ternak Domba	2017	PUPT, DIKTI
14.	Pengembangan Konsorsium Mikrobial Agen Bioremediasi Limbah Peternakan Ayam Petelur sebagai Upaya Mitigasi Pencemaran Amonia: Isolasi dan Identifikasi Mikrobial Denitrifikasi Pereduksi Nitrat (Tahun II)	2017	PUPT, DIKTI
15.	<i>Screening and Characterization of Keratinolytic Bacteria from Puffer Fish Skin Waste</i>	2017	PUPT, DIKTI
16.	Pemanfaatan Ransum Basah (Moist Ration) Berbasis Fermentasi Bakteri Asam Laktat pada Pengembangan Ternak Ruminansia	2017	PUPT, DIKTI
17.	Metabolit Sekunder Tanaman sebagai Aditif Pakan: Pengaruh Minyak Asiri Nilam ( <i>Pogostemon cablin</i> Benth.) dalam Fermentasi Rumen <i>In Vitro</i>	2017	Tematik Laboratorium Fak. Peternakan UGM
18.	Pengaruh Penambahan Minyak Kulit Biji Mete dalam Pakan terhadap Sintesis Protein Mikrobial Rumen dan Balans Nitrogen pada Kambing Bligon	2017	Hibah Pascasarjana Fak. Peternakan UGM
19.	Pengaruh Perbedaan Umur Tanaman Karet terhadap Karakteristik Fermentasi Gulma	2017	Hibah Pascasarjana Fak. Peternakan UGM
20.	Silase Total Campuran Konsentrat (STCK) Berbasis by Produk Industri Pangan: Rekayasa STCK dan Aplikasinya Terhadap Kinerja Anak Kambing, Induk dan Penggemukan kambing Bligon (Ketua dari 3 Peneliti)	2016	DIKTI (Hibah Kompetensi)
21.	Peran Metabolit Sekunder pada Ternak: Pengaruh Supages: lementasi Pakan dengan Minyak Essensial Pala ( <i>Myristica fragans</i> ) sebagai Sumber Antioksidan Terhadap Kualitas Daging Kambing (Anggota dari 7 Peneliti)	2016	Hibah Penelitian Tematik Laboratorium Fakultas Peternakan UGM

### Community Service over the last 5 years

No.	Judul Kegiatan <i>Activity Title</i>	Tahun <i>Year</i>	Sumber Dana <i>Source of Funds</i>
1.	Forum MWA 11 PTNBH	2020	Fakultas Peternakan UGM
2.	Kampung Domba: Pengembangan Sentra Peternakan Domba untuk Meningkatkan Ekonomi Masyarakat Desa Kadilanggon, Kecamatan Wedi, Kabupaten Klaten	2020	Pemerintah Desa Kadilanggon, Wedi, Klaten
3.	Pengabdian Masyarakat Melalui Budidaya Ayam Petelur Umbaran untuk Menghasilkan Telur Fungsional di Pondok Pesantren IS ASWAJA Lintang Songo, Dusun Pagergunung, Piyungan, Bantul, Yogyakarta	2020	PT Widodo Makmur Unggas dan Lab. Biokimia Nutrisi Fak. Peternakan UGM
4.	Pengabdian Masyarakat Melalui Budidaya Ayam Petelur Umbaran untuk Menghasilkan Telur Fungsional di Paguyuban Ibu-Ibu Dasawisma Dewi Sari, Buyutan, Gadingsari, Sanden, Bantul, Yogyakarta	2020	PT Widodo Makmur Unggas dan Lab. Biokimia Nutrisi Fak. Peternakan UGM
5.	Pengabdian Masyarakat Melalui Budidaya Ayam Petelur Umbaran untuk Menghasilkan Telur Fungsional di Pondok Pesantren Irsyadul Anam, Kiyudan, Selomartani, Kalasan, Sleman, Yogyakarta	2020	PT Widodo Makmur Unggas dan Lab. Biokimia Nutrisi Fak. Peternakan UGM
6.	Pengabdian kepada Masyarakat Berbasis Pengembangan Desa Binaan di Dusun Balak, Desa Pendoworejo, Kecamatan Girimulyo, Kabupaten Kulonprogo	2020	Persatuan Biokimia dan Biologi Molekuler Indonesia
7.	Pengembangan Peternakan Ramah Lingkungan Menggunakan Teknologi Suplemen Pakan Berbasis Natural Bioaktif Tanaman Tropik di Kelompok Ternak Ayo Angon Dusun Buyutan, Desa Ngalang, Kecamatan Gedangsari Kabupaten Gunung Kidul	2020	Hibah Tematik Pengabdian Laboratorium Fakultas Peternakan UGM
8.	Hebatnya Mikrobial Ternak	2020	Fakultas Peternakan UGM
9.	Narasumber Obrolan Peternakan dengan tema "Selayang Pandang Industri Perunggasan-Teknologi Pakan untuk Meningkatkan Kinerja Saluran Cerna Unggas"	2020	Fakultas Peternakan UGM
10.	The Prospect of Fat Bypass in Animal Production	2020	Fakultas Peternakan UGM
11.	Pemberdayaan Petani Peternak Melalui Kelembagaan Inti Plasma: Demplot Penggemukan Domba dan Hijauan Pakan Ternak di Desa Sumpersari, Kecamatan Moyudan, Kabupaten Sleman	2019	Fakultas Peternakan UGM
12.	PKM di Banyusoco Playen Gunung Kidul	2019	Ristekdikti
13.	Penyuluhan Total Mixture Ration (TMR) Berbasis Fermentasi dan Pemberdayaan Kelembagaan Inti-Plasma Peternakan	2019	Fakultas Peternakan Universitas Gadjah Mada

No.	Judul Kegiatan <i>Activity Title</i>	Tahun <i>Year</i>	Sumber Dana <i>Source of Funds</i>
14.	Pemateri Kuliah Gratis: Bagimu Petani, Kami Mengabdikan "Pakan Ternak Berkualitas"	2019	Fakultas Peternakan UGM
15.	PkM Kelompok Ternak Berbasis Natural Methane Reducing(NMR) Di Desa Banyusoco Kecamatan Playen, Kabupaten Gunung Kidul	2018	Hibah Pengabdian Kepada Masyarakat Pengembangan Desa Binaan, Universitas Gadjah Mada
16.	Aplikasi Protein fermentasi <i>Super Block</i> sebagai suplemen pakan pada peningkatan kinerja pedet sapi perah di Koperasi Smesta (Sapi Merapi Sejahtera)	2018	Hibah TTG, Ristekdikti
17.	Penerapan Teknologi Fermentasi Pakan Hijauan sebagai Solusi Pemenuhan Kebutuhan Pakan Ternak Daerah Peri-Urban di Pondok Pesantren Irsyadul Anam, Kiyudan, Selomartani, Kalasan, Sleman, Yogyakarta	2018	Hibah Pengabdian Tematik Laboratorium Fakultas Peternakan UGM
18.	Pakan Unggas Potong dan Macam-Macam Bahan Pakan pada Ransum Ternak Berkualitas . Materi Kuliah Gratis Bagimu Petani Kami Mengabdikan	2018	Fakultas Peternakan UGM
19.	Demonstrasi Plot Manajemen Perkawinan dan Rekayasa Pakan pada Ternak Ruminansia untuk Menghasilkan Anak Kembar dan Sehat di Duwet Rejo Desa Karang Tengah Gunung Kidul	2017	TTG, BOPTN
20.	Pengenalan Metode Pengawetan Hijauan Pakan dengan Aplikasi Teknologi Fermentasi Berbasis Sumber Pakan Lokal kepada Paguyuban Kelompok Ternak Ruminansia Desa Triharjo, Pandak, Bantul	2016	Hibah Tematik Pengabdian Fakultas Peternakan
21.	Pentingnya Susu Pengganti(Milk Replacer) Berbasis Jamu dan Fermentasi BAL Unggul Susu Bubuk untuk Cempe Kembar	2016	Hibah Pengabdian Program Pascasarjana Fakultas Peternakan UGM
22.	Sosialisasi Pentingnya Susu Pengganti (Milk Replacer) Berbasis Bioaktif Natural dan Susu Fermentasi BAL untuk Anak Domba Kembar	2016	IbM (IPTEKS bagi Masyarakat), DIKTI
23.	Pemberdayaan Masyarakat Berbasis Potensi Lokal Secara Terpadu untuk Mandiri Pangan, Mandiri Energi, dan Masyarakat Produktif Sejahtera di Kecamatan Kerek, Jenu, dan Merakurak, Kabupaten Tuban, Jawa Timur	2016	BPPTNBH (Bantuan Pendanaan PTN BH)
24.	Open House "Dunia Pakan Ternak" pada kegiatan pengabdian "Bagimu Petani Kami Berbakti" (tanggal 21 September 2016)	2016	BI, PT SANTORI

### Important publications over the last 5 years

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
1.	Effect of purple sweet potato levels (Ipomoea batatas L.) carbohydrate sources on fermentation kinetics and lactic acid production by Lactobacillus paracasei (Tasminto, D., Bachruddin, Z., Kurniawati, A., Muhlisin)	2021	IOP Conference Series: Earth and Environmental Science, 2021, 686(1), 012048
2.	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	IOP Conference Series: Earth and Environmental Science, 2021, 686(1), 012046
3.	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	IOP Conference Series: Earth and Environmental Science, 2021, 686(1), 012046
4.	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	IOP Conference Series: Earth and Environmental Science, 2021, 686(1), 012047
5.	Antibacterial effects of Kepok Banana bunch (Musa paradisiaca L.) against Staphylococcus aureus (Maryati, T., Nugroho, T., Bachruddin, Z., Pertiwinigrum, A.)	2021	IOP Conference Series: Earth and Environmental Science, 2021, 637(1), 012046
6.	Eksplorasi dan Studi Komposisi Botani Gulma di Perkebunan Karet PTPN IX Kebun Getas sebagai Pakan Ternak Ruminansia (H Harwanto, B Suwignyo, Z Bachruddin, G Pawening)	2021	Jurnal Ilmu Peternakan dan Veteriner Tropis (Journal of Tropical Animal and Veterinary Science), 11(1): 40-48
7.	Nutrient content, fiber fraction and ethanol production of three cultivars ( <i>Pennisetum purpureum</i> Scumach.)	2020	E3S Web of Conferences 200, 03008 (2020)
8.	The exploration of banana bunch as a new vegetable tanning agent	2020	IOP Conf. Series: Materials Science and Engineering, Volume 980, 012019
9.	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	IOP Conference Series: Earth and Environmental Science, 2020, 478(1), 012026

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
10.	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	IOP Conference Series: Earth and Environmental Science, 2020, 478(1), 012027
11.	The effect of turmeric (Curcuma longa L.) powder addition as natural antibiotic on the quality of milk replacer for lamb during storage (Devi, H., Bachruddin, Z., Hanim, C., Muhlisin)	2020	IOP Conference Series: Earth and Environmental Science, 2020, 462(1), 012009
12.	Antibacterial Activity of Maja Fruit Extract Against Escherichia coli and Its Potential as Urease Inhibitor for Reducing Ammonia Emission in Poultry Excreta (Fitriyanto, N.A., Lewa, N., Prasetyo, R.A., Kurniawati, A., Erwanto, Y., Bachruddin, Z., Muhlisin, Wihandoyo)	2020	IOP Conference Series: Earth and Environmental Science, 2020, 465(1), 012006
13.	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	IOP Conference Series: Earth and Environmental Science, 2020, 465(1), 012036
14.	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	IOP Conference Series: Earth and Environmental Science, 2020, 478(1), 012030
15.	Condition of Rumen Fermentation as Impacted by Supplementation of Fermented Rice Brand Using In Vitro Gas Production Technique (Z Zuratih, SPS Budhi, Z Bachruddin)	2020	Jurnal Ilmu Ternak dan Veteriner 25 (2), 74-80
16.	Heating Effect on Rumen Digestion of Protein Feeds Fermented by Lactid Acid Bacteria (Sanjaya, H.L., Bachrudin, Z., Kurniawati, A., Hanim, C., Yusiati, L.M.)	2020	IOP Conference Series: Earth and Environmental Science, 2020, 478(1), 012029
17.	Effects of cinnamon bark meal (Cinnamomum burmanni Ness ex Bl) as protein protection agent on in vitro rumen fermentation characteristic (Hadianto, I., Yusiati, L.M., Bachrudin, Z., Suhartanto, B., Hanim, C.)	2019	IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012060
18.	The effect of addition of turmeric (Curcuma longa L.) on the rancidity process of concentrate feed based on lactic acid bacteria fermentation during aerobic storage	2019	IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012099

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
	(Pangistika, A.W., Bachruddin, Z., Kurniawati, A., Utomo, R., Hanim, C.)		
19.	The effect of aerated storage system and turmeric ( <i>Curcuma longa</i> L.) addition on the quality of lactic acid bacteria fermented feed (Hardiansyah, D., Bachruddin, Z., Yusiati, L.M., Hanim, C., Astuti, A.)	2019	IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012100
20.	Effect of cinnamon bark meal ( <i>Cinnamomum burmanni</i> Ness ex Bl) addition as cinnamaldehyde source on in vitro nutrient digestibility (Hadianto, I., Yusiati, L.M., Bachruddin, Z., Suhartanto, B., Hanim, C.)	2019	IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012058
21.	Effect of banana and mango waste product as malic acid source on methane gas production (Saputro, W.S., Hanim, C., Yusiati, L.M., Bachruddin, Z., Pertiwiningrum, A.)	2019	IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012026
22.	Growth optimization of <i>Bacillus subtilis</i> 11A isolated from Indonesian native chicken ( <i>Gallus domesticus</i> ) for bacteriocin production (Cahya, V.A., Hanim, C., Yusiati, L.M., Bachruddin, Z., Erwanto, Y.)	2019	IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012013
23.	Growth and production of 2 cultivars ( <i>Pennisetum purpureum</i> Schumach.) on regrowth phase (Ananta, D., Bachruddin, Z., Umami, N.)	2019	IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012033
24.	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	ON UNIVERSAL WELLBEING (ICUW 2019), 147
25.	The Effects of Tanning with Kepok Banana ( <i>Musa Paradisiaca</i> L) Bunch on the Physical Quality of Rabbit Skin (T Maryati, A Pertiwiningrum, Z Bachruddin)	2019	Int. J. Recent Technol. Eng. 8, 12564-7
26.	Effect of the Addition of Sodium Nitrate in a Total Mixed Ration with Fermented Tofu Waste on Methane Production from the Rumen Fluid (Z. Bachruddin, S. Latiefah and L.M. Yusiati)	2019	Pakistan Journal of Nutrition, 18: 408-412.
27.	Effects of Lemongrass Leaves as Essential Oil Sources on Rumen Microbial Ecology and Nutrient Digestibility in an in vitro System (Insani Hubi Zulfa, Zaenal Bachruddin and Asih Kurniawati)	2019	Pakistan Journal of Nutrition, 18: 254-259.
28.	Effects of <i>Lemongrass leaves</i> as Essential Oil Sources on Rumen Microbial Ecology	2019	Pakistan Journal of Nutrition, Vol. 18 No. 3: 278-285

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
	and Nutrient Digestibility in an in vitro System		
29.	The Potential of Hydrolysate from Rabbit Meat Protein as an Angiotensin Converting Enzyme Inhibitor	2019	Buletin Peternakan Vol. 43 (1): 31-37, February 2019
30.	Bacteriocin Activity of Lactic Acid Bacteria Isolated from Rumen Fluid of Thin Tail Sheep	2019	Buletin Peternakan 43 (3): 158-165
31.	Effect of Cashew Nutshell Oil Supplementation as Phenol Source for Protein Protection on In Vitro Nutrient Digestibility	2019	Buletin Peternakan 43 (4): 225-230, November 2019
32.	The Estimation of Rumen Microbial Protein Synthesis Based on Urinary Purine Derivates Excretion of Bligon Goats Fed by Fermented Feed and Peanut Straw	2018	E-Proceedings 18th AAAP Congress 2018, 1-5 Aug. 2018, Kuching, Malaysia. pp. 100
33.	Optimizing of Protease Purification from Bacillus cereus TD5B by Ammonium Sulfate Precipitation	2018	Chemical Engineering Transactions Vol. 63. Page 709-714.
34.	Kajian Pendapatn Pemeliharaan Domba Jantan dengan Pakan Konsentrat Fermentasi Menjelang Idul Adha	2018	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. 212-217. ISBN: 978-979-1215-33-6
35.	The Estimation of Rumen Microbial Protein Synthesis Based on Urinary Purine Derivates Excretion of Bligon Goats Fed by Fermented Feed and Peanut Straw	2018	IOP Conf. Series: Earth and Environmental Science 387 (2019) 012055
36.	Teknologi Fermentasi pada Industri Peternakan (Z Bachruddin)	2018	UGM PRESS
37.	Kebijakan Pembangunan Peternakan Indonesia Dalam Tata Kelola Otonomi Daerah: Studi Kasus Di Kabupaten Tana Tidung, Kalimantan Utara (R Ahmad Romadhoni Surya Putra, Pipit Tita Adhitya, Endy Triyannanto, Zaenal Bachruddin, I Gede Suparta Budisatria, Nanung Agus Fitriyanto, Ali Agus)	2018	Prosiding Seminar Nasional: Sekolah Tinggi Penyusunan Pertanian (STPP) Magelang, 693-701
38.	Isolation and characterization of protease-producing bacteria from puffer fish skin waste (Wibowo, R.L.M.S.A., Bachruddin, Z., Fitriyanto, N.A., Fitriyanto, N.A.,	2018	Asian Journal of Microbiology, Biotechnology and Environmental Sciences, 2018, 20(October), pp. S47-



No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
	Nakagawa, T., Hayakawa, T., Pertiwiningrum, A.)		S52
39.	Optimizing of protease purification from bacillus cereus TD5B by ammonium sulfate precipitation (Winarti, A., Fitriyanto, N.A., Jamhari, Pertiwiningrum, A., Bachruddin, Z., Pranoto, Y., Erwanto, Y.)	2018	Chemical Engineering Transactions, 2018, 63, pp. 709–714
40.	Screening and Characterization of Keratinolytic Bacteria from Puffer Fish Skin Waste	2017	Pakistan Journal of Nutrition Vol. 16 (7): 488-496, 2017. ISSN: 1680-5194. Published by: ANSInet. DOI: 10.3923/pjn.2017.488.496
41.	Effect of Manganese (Mn <sup>2+</sup> ) Addition on Cocoa Pod Fermentation with Phanerochaete chrysosporium	2017	Pakistan Journal of Nutrition Vol. 16 (7): 508-513, 2017. ISSN: 1680-5194. DOI: 10.3923/pjn.2017.508.513
42.	The Effect Additional of Sodium Carbonate as Buffer in Utilization of Tofu Byproduct Lactic Acid Bacteria Fermentation as Basal Ration on Rumen Fermentation Bligon Goat During Lactation	2017	The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 112-116. ISBN: 978-979-1215-29-9
43.	Isolation of Bacteria Producing Enzyme Collagenase from Waste of Pufferfish (Arothon reticularis) Skin	2017	The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 374-379. ISBN: 978-979-1215-29-9
44.	Natural Feed Additive for Ruminant Production, Animal Products Quality and Green Environment	2017	Present at Griffith University Brisbane, Australia 10/18/2017
45.	The Effect of Bacteriocins Producing Mix culture of Lactic Acid Bacteria on Staphylococcus. aureus and Escherichia. coli Growth	2017	International Ruminant Seminar, Universitas Diponegoro, Semarang, Indonesia, 24 October 2017
46.	The Effect of Total Mixture Concentrate Based on Tofu Waste Silage as Basal Feed on Meat Quality of Thin-Tailed Sheep	2017	The 2nd International Conference on Tropical Agriculture (ICTA), 2017. Program and Abstract Book. UGM, Yogyakarta, Indonesia, 26–27 October 201. Page: 121.
47.	Nitrogen balance of Bligon Goat reared by the women farmer group in Ketangi and Banyusoco Village, Gunungkidul, Yogyakarta Special Province	2017	The 2nd International Conference on Tropical Agriculture (ICTA), 2017. Program and Abstract Book.

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
			UGM, Yogyakarta, Indonesia, 26–27 October 201. Page: 123
48.	The effect of Lactic Acid Bacteria (LAB) as probiotic on performance of local sheep	2017	Proceedings of The 5th International Seminar of Animal Nutrition & Feed Science (ISAINI), Mataram-Indonesia, 7-9 November 2017. Pages: 171-182. ISBN: 978-602-51437-0-0 eISBN: 978-602-51437-1-7
49.	Estimation of Rumen Microbe Protein Synthesis Based on Excretion of Urinary Purine Derivatives of Bligon Goat Fed Fermented Tofu Waste Supplemented NaHCO <sub>3</sub> as Buffer	2017	Present at The 5th International Seminar of Animal Nutrition & Feed Science (ISAINI), Mataram-Indonesia, 7-9 November 2017.
50.	Effect of Lignocellulolytic Fungus on Enzymatic Activity, Fiber Fraction, and Digestibility on Fermentation Process of Cocoa Pod	2017	Buletin Peternakan Vol. 41 (3): 250-256, Agustus 2017 ISSN-0126-4400 E-ISSN-2407-876X DOI: <a href="https://doi.org/10.21059/buletinpeternak.v41i3.22657">https://doi.org/10.21059/buletinpeternak.v41i3.22657</a>
51.	The Effect of Lactic Acid Bacteria and Different Level of Carbohydrate Sources Addition on Tofu Waste Industry Fermentation	2017	Buletin Peternakan Vol. 41 (3): 279-284 Agustus 2017 ISSN-0126-4400 E-ISSN-2407-876X DOI: <a href="https://doi.org/10.21059/buletinpeternak.v41i3.23677">https://doi.org/10.21059/buletinpeternak.v41i3.23677</a>
52.	Pengaruh Penambahan Molases, Lactobacillus plantarum, Trichoderma viride, dan Campurannya Terhadap Kualitas Silase Total Campuran Hijauan (The Effect of Molasses, Lactobacillus plantarum, Trichoderma viride, and its Mixtures on Quality Total Mixed Forage Silage)	2017	Buletin Peternakan Vol. 41 (4): 431-438, November 2017 ISSN-0126-4400 E-ISSN-2407-876X. Penerbit: Fakultas Peternakan UGM, Yogyakarta
53.	Pengaruh Pemberian Isolat Bakteri Asam Laktat sebagai Inokulan terhadap Ketahanan Aerobisitas Fermentasi Total Campuran Konsentrat Berbasis Ampas Tahu (Penulis ke-1 dari 4)	2016	Prosiding Simposium Nasional Penelitian dan Pengembangan Peternakan Tropik Tahun 2016. Fakultas Peternakan Universitas Gadjah Mada, Yogyakarta. ISBN: 978-979-1215-28-2, hal: 22-28
54.	Balans Nitrogen pada Kambing Bligon Betina yang Mendapat Pakan dengan Tambahan Vitamin E (Penulis ke-4 dari 5)	2016	Prosiding Simposium Nasional Penelitian dan Pengembangan Peternakan Tropik Tahun 2016. Fakultas

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
			Peternakan Universitas Gadjah Mada, Yogyakarta. ISBN: 978-979-1215-28-2, hal: 77-78
55.	Potensi dan Produksi Hijauan Pakan Ternak di Lahan Pertanian Banyusoco Playen Gunung Kidul (Penulis ke-8 dari 9)	2016	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
56.	The Effect of Temperature Treatment to Milk Replacer Quality and Its Application on Kid Growth	2016	ICG 2016, to be Held in Antalya, Turkey, 25-30 September 2016
57.	Isolation of Indigenous Denitrifying Bacteria from the Odorous Region of A Layer Farm and its Potential as Nitrate Reducing Agent (Penulis ke-6 dari 9)	2016	Proceedings of The 17 <sup>th</sup> Asian-Australasian Association of Animal Production Societies Animal Science Congress, 22-25 August 2016, Fukuoka Japan
58.	The Effect of Different Long-Term Storage with Rice Bran-Caco <sub>3</sub> as Carrier of Aerobic Thermolignocellulolytic Inoculums as Starter on Fiber Compound Content of Fermented Rice Straw (Penulis ke-3 dari 4)	2016	Proceedings of The 17 <sup>th</sup> Asian-Australasian Association of Animal Production Societies Animal Science Congress, 22-25 August 2016, Fukuoka Japan
59.	Estimation of Microbial Protein Synthesis Based on Excretion of Purine Derivate Using Spot Sampling Methode in Fat-Tail and Thin-Tail Sheep (Penulis ke-4 dari 5)	2016	Proceedings of The 17 <sup>th</sup> Asian-Australasian Association of Animal Production Societies Animal Science Congress, 22-25 August 2016, Fukuoka Japan
60.	The Sodium Nitrate Addition in Total Mixture Fermentation of Tofu Waste as Ration on Methane Production of the Rumen Fluid (Penulis ke-1 dari 2)	2016	Proceedings of The 17 <sup>th</sup> Asian-Australasian Association of Animal Production Societies Animal Science Congress, 22-25 August 2016, Fukuoka Japan
61.	The Effect of Level Vitamin E Addition in the Diet on Blood Profile of Bligon Goat (Penulis ke-3 dari 4)	2016	Proceedings of the 1 <sup>st</sup> UGM International Conference on Tropical Agriculture (ICTA), 25-26 October, 2016. Yogyakarta, Indonesia
62.	The Effect of Lactic Acid Bacteria and Different Level of Carbohydrate Sources Addition on Tofu Waste Industry	2016	Proceedings of the 1 <sup>st</sup> UGM International Conference on Tropical Agriculture (ICTA),

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
	Fermentation (Penulis ke-1 dari 4)		25-26 October, 2016. Yogyakarta, Indonesia
63.	Effect of White Rot Fungi to Enzimatic Activity and Lignin on Fermentation Process of Cocoa Pod (Penulis ke-2 dari 4)	2016	Journal of Biology, Agriculture and Healthcare, Vol. 6 No. 4 (2016): 47-50 ISSN: 2224-3208 (paper), 2225-093X (online)
64.	Feeding Strategy of Ruminants and Its Potential Effect on Methane Emission Reduction (Penulis ke-5 dari 5)	2016	Journal of Agricultural Science; Vol. 8, No. 9; 2016. pages: 199-204. ISSN: 1916-9752 E-ISSN 1916-9760
65.	Isolation and Selection of Local Lactic Acid Bacteria as Probiotic Candidate (Penulis Tunggal)	2016	5th Asian Federation of Societies for Lactic Acid Bacteria (AFSLAB) International Symposium 2016 "Future Prospects of Lactic Acid Bacteria: Research and Application", Taiwan, 2016
66.	Pengaruh Inokulasi <i>Lactobacillus plantarum</i> dan <i>Saccharomyces cerevisiae</i> terhadap Fermentasi dan Kecernaan In Vitro Silase Kulit Buah Kakao (Penulis ke-3 dari 3)	2016	Buletin Peternakan Vol. 40 No. 2 (2016): 124-132. ISSN: 0126-4400

### Courses

1. Biokimia Ternak
2. Enzimologi dan Teknologi Fermentasi
3. Biokimia Dasar
4. Mikrobiologi Dasar
5. Politik Peternakan
6. Toksikologi Pakan
7. Mikrobiologi Ternak
8. Pakan Ternak Tropik
9. Teknik Penelitian Nutrisi dan Makanan Ternak
10. Teknologi Fermentasi dan Enzim
11. Filsafat Ilmu
12. Pakan Ternak Tropik
13. Bioteknologi Pakan
14. Pengembangan Pakan Fungsional
15. Kapita Selekta I
16. Kode etik dan etika profesi insinyur
17. Profesionalisme Keinsinyuran
18. Keselamatan, Kesehatan, Keamanan Kerja dan Lingkungan
19. Studi Kasus
20. Seminar, Workshop dan Diskusi
21. Praktek Keinsinyuran

**Achievements/Awards**

<b>No.</b>	<b>Prestasi/Penghargaan <i>Achievements/Awards</i></b>	<b>Tahun <i>Year</i></b>
1.	-	-