

No.	Judul Penelitian <i>Research Title</i>	Tahun <i>Year</i>	Sumber Dana <i>Source of Funds</i>
11.	Kajian Senyawa Natural Bioactive dari Bungkil Jintan Hitam (<i>Nigella sativa</i> L.) dan Aplikasinya pada Pakan Untuk Pengembangan Peternakan Ramah Lingkungan (Green Livestock)	2018	Hibah Tematik Laboratorium, Fakultas Peternakan UGM
12.	Metabolit Sekunder Tanaman sebagai Aditif Pakan: Pengaruh Minyak Asiri Nilam (<i>Pogostemon cablin</i> Benth.) dalam Fermentasi Rumen In Vitro	2017	Hibah Tematik Laboratorium Fakultas Peternakan UGM
13.	Kajian Kandungan Saponin pada Beberapa Varietas <i>Brachiaria</i> dan Efeknya pada Kecernaan Pakan secara In Vitro (Anggota dari 3 Peneliti)	2016	FUNDAMENTAL, DIKTI
14.	Peran Metabolit Sekunder pada Ternak: Pengaruh Suplemen 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.	Kampung Domba: Pengembangan Sentra Peternakan Domba untuk Meningkatkan Ekonomi Masyarakat Desa Kadilanggon, Kecamatan Wedi, Kabupaten Klaten	2020	Pemerintah Desa Kadilanggon, Wedi, Klaten
2.	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
3.	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
4.	Pengabdian kepada Masyarakat Berbasis Pengembangan Desa Binaan di Dusun Balak, Desa Pendoworejo, Kecamatan Girimulyo, Kabupaten Kulonprogo	2020	Persatuan Biokimia dan Biologi Molekuler Indonesia
5.	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
6.	Penyuluhan Total Mixture Ration (TMR) Berbasis Fermentasi dan Pemberdayaan Kelembagaan Inti-Plasma Peternakan	2019	Fakultas Peternakan Universitas Gadjah Mada
7.	Penerapan Teknologi Fermentasi Pakan Hijauan sebagai Solusi Pemenuhan Kebutuhan Pakan Ternak	2018	Hibah Pengabdian Tematik

No.	Judul Kegiatan <i>Activity Title</i>	Tahun <i>Year</i>	Sumber Dana <i>Source of Funds</i>
	Daerah Peri-Urban di Pondok Pesantren Irsyadul Anam, Kiyudan, Selomartani, Kalasan, Sleman, Yogyakarta		Laboratorium Fakultas Peternakan UGM
8.	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

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 (<i>Ipomoea batatas</i> L.) carbohydrate sources on fermentation kinetics and lactic acid production by <i>Lactobacillus paracasei</i> (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 (<i>Ipomoea batatas</i> Cilembu) as a prebiotic source for the kinetics of fermentation and lactic acid production by <i>Lactobacillus paracasei</i> (Swithenia, F., Bachruddin, Z., Kurniawati, A. , Yusiati, L.M.)	2021	IOP Conference Series: Earth and Environmental Science, 2021, 686(1), 012046
3.	Merino sheep nitrogen balance with the addition of mahogany leaves (<i>Swietenia mahagoni</i>) as tannins source in feed (Azizah, E.R., Hanim, C., Yusiati, L.M., Kurniawati, A.)	2021	IOP Conference Series: Earth and Environmental Science, 2021, 667(1), 012014
4.	The effect of additional tannins source from Mahagony leaves (<i>Swietenia mahagoni</i>) to purine derivate excretion in urine and synthesis of rumen microbial protein of Merino sheep (Lestari, E.A., Hanim, C., Yusiati, L.M., Kurniawati, A.)	2021	IOP Conference Series: Earth and Environmental Science, 2021, 667(1), 012062
5.	The effects of catfish oil supplementation as unsaturated fatty acid source on Bali cow gas production kinetics, dry matter digestibility, and organic matter digestibility in vitro (Cahyo, D.N., Yusiati, L.M., Kurniawati, A. , Hanim, C., Muhlisin)	2021	IOP Conference Series: Earth and Environmental Science, 2021, 637(1), 012058
6.	Methane Production and Methanogens Diversity in in vitro Ruminant Fermentation with Mahogany Leaves Meal (<i>Swietenia mahagoni</i>) as Tannin Source (Hasanah, C., Kurniawati, A. , Yusiati, L.M., Muhlisin, Bachruddin, Z.)	2020	IOP Conference Series: Earth and Environmental Science, 2020, 478(1), 012089
7.	Heating Effect on Rumen Digestion of	2020	IOP Conference Series: Earth

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
	Protein Feeds Fermented by Lactid Acid Bacteria (Sanjaya, H.L., Bachrudin, Z., Kurniawati, A. , Hanim, C., Yusiati, L.M.)		and Environmental Science, 2020, 478(1), 012029
8.	Effect of (Leucaena leucocephala) Leaves as Tannin Source on Rumen Microbial Enzyme Activities and in Vitro Gas Production Kinetics (Mahanani, M.M.P., Kurniawati, A. , Hanim, C., Anas, M.A., Yusiati, L.M.)	2020	IOP Conference Series: Earth and Environmental Science, 2020, 478(1), 012088
9.	The Effect of Bromelain from Pineapple (Ananas comosus) on Increasing Protein Digestibility of Milk Replacer for Lam (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
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.	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
12.	Physical and chemical characteristics of rabbit complete pellet feed containing different level of leucaena leaf meal (Prayoga, J., Astuti, A., Kurniawati, A.)	2020	IOP Conference Series: Earth and Environmental Science, 2020, 425(1), 012088
13.	Improvement of ruminal feed fermentation by addition of eucalyptus based mix essential oil (Kurniawati, A. , Wigati, D.N., Hasanah, C., Yusiati, L.M.)	2020	IOP Conference Series: Earth and Environmental Science, 2020, 425(1), 012086
14.	Nutrient digestibility on ruminal fermentation in vitro with addition of rumen modifier based on Clove (Syzygium aromaticum. L.) and Fennel (Foeniculum vulgare. Mill.) essential oil (Kurniawati, A. , Saputra, W.E., Mahardillah, L., Hanim, C., Yusiati, L.M.)	2020	IOP Conference Series: Earth and Environmental Science, 2020, 425(1), 012085
15.	Study of Local Herb Potency as Rumen Modifier: Red Ginger (Zingiber Officinale Var. Rubrum) Addition Effect on In Vitro Ruminal Nutrient Digestibility (A Kurniawati , LM Yusiati, W Widodo, WT Artama)	2020	Animal Production 21 (1), 30-37

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
16.	Parameter of ruminal feed fermentation in vitro with addition of clove essential oil (<i>Syzygium aromaticum</i> L.) as feed additive (Mulyandari, F., Yusiati, L.M., Kurniawati, A.)	2019	IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012111
17.	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 (Pangistika, A.W., Bachruddin, Z., Kurniawati, A. , Utomo, R., Hanim, C.)	2019	IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012099
18.	Addition of essential oil source, <i>Amomum compactum</i> Soland ex Maton, and its effect on ruminal feed fermentation in-vitro (Kurniawati, A. , Widodo,., Artama, W.T., Yusiati, L.M.)	2019	Biotropia, 2019, 26(3), pp. 172–180
19.	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	Pak. J. Nutr., 18 (3): 254-259, 2019
20.	Addition of essential oil source, <i>amomum compactum soland ex maton</i> and its effect on ruminal feed fermentation in-vitro (A Kurniawati , W Widodo, WT Artama, LM Yusiati)	2019	BIOTROPIA-The Southeast Asian Journal of Tropical Biology 26 (3), 172-180
21.	Protein Binding Capacity of Different Forages Tannin (Yusiati, L.M., Kurniawati, A. , Hanim, C., Anas, M.A.)	2018	IOP Conference Series: Earth and Environmental Science, 2018, 119(1), 012007
22.	Study of Local Herb Potency as Rumen Modifier: The Effect of Red Ginger (<i>Zingiber officinale</i> Var.Rubrum) on Parameters of Ruminal Fermentation in Vitro (Kurniawati, A. , Widodo, W., Artama, W.T., Yusiati, L.M.)	2018	IOP Conference Series: Earth and Environmental Science, 2018, 119(1), 012058
23.	Effects of adding chicken blood meal and fishmeal to sludgebiogas as white oyster mushroom media (Pertiwiningrum, A., Hapsari, D.J., Ratnaningrum, P., Kurniawati, A. , Rochijan, Nugroho, R.D.)	2018	Pakistan Journal of Biological Sciences, 2018, 21(1), pp. 29–37
24.	Effects of <i>Pinus merkusii</i> jungh. & de Vriese Essential Oil on Methane Production and Ruminal Feed Fermentation (Asih Kurniawati)	2018	Presented at International Congress on Agriculture and Animal Sciences (ICAGAS), Turkey
25.	The Effect of Lactose Level as Substrate to Bacteriocins Production on <i>Lactobacillus paracasei</i> Fermentation (Bachruddin, Z., Kurniawati, A. , Yusiati, L.M., Hanim, C. &	2018	E-Proceedings 18th AAAP Congress 2018, 1-5 Aug. 2018, Kuching, Malaysia. pp. 98

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
	Marantika, Y.)		
26.	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	E-Proceedings 18th AAAP Congress 2018, 1-5 Aug. 2018, Kuching, Malaysia. pp. 98
27.	Effects of Adding Chicken Blood Meal and Fishmeal to Sludge Biogas as White Oyster Mushroom Media (Ambar Pertiwiningrum, Dianita Juli Hapsari, Palupi Ratnaningrum, Asih Kurniawati , Rochijan and Ramdhan Dwi Nugroho)	2018	Pakistan Journal of Biological Sciences Vol. 21 No.1 Page 29-37.
28.	Effects of Four Essential Oils on Nutrients Digestibility of In Vitro Ruminant Fermentation Effects of Four Essential Oils on Nutrients Digestibility of In Vitro Ruminant Fermentation (Asih Kurniawati , Widodo, Wayan Tunas Artama, Lies Mira Yusiati)	2018	Buletin Peternakan Vol. 42 No. 2 Hal. 122-126.
29.	Effect of Fermentation on Compositional Changes of Cinnamomum osmophloeum Kaneh Leaves (Kurniawati, A., D. , Huang, T.C., Kusnadi, J.)	2017	IOP Conference Series: Materials Science and Engineering, 2017, 193(1), 012013
30.	The Effect of Cumin (Cuminum cyminum) Addition as Source of Essential Oils on Nutrien Digestibility, VFA, Amonia and Methan Production (Penulis ke-1 dari 4)	2017	The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 128-132. ISBN: 978-979-1215-29-9
31.	In Vitro Gas Production of Lemongrass Leaves as Essential Oil Source and its Effect on The Kinetics of Gas Production (Penulis ke-2 dari 3)	2017	The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 147-151. ISBN: 978-979-1215-29-9
32.	Amomum compactum Soland ex Maton Addition as Essential Oil Source and Its Effect on Ruminant Feed Fermentation (Penulis ke-1 dari 4)	2017	1st International Conference of Essential Oil (ICEO 2017), Oktober, 11-12, 2017. Malang – Indonesia
33.	Feed supplementation for dairy cattle by using multi nutrient feed supplement without molasses (MFSWM) (Penulis ke-3 dari 4)	2017	Program and Abstract Book of the Sixth SAADC Conference, Batu 16 – 19 October 2017 “Wisdom of Using Local Resources for Development of Sustainable Animal Production in

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
			Developing Countries". Batu City, Indonesia. Page: 209
34.	Study of local herb potency as rumen modifier: The effect of Red Ginger (<i>Zingiber officinale</i> Var. <i>Rubrum</i>) on parameters of ruminal fermentation parameter in vitro (Penulis ke-1 dari 4)	2017	International Ruminant Seminar, Universitas Diponegoro, Semarang, Indonesia, 24 October 2017
35.	The Effect of <i>Hibiscus Rosa-Sinensis</i> L. Leaves as Defaunating Agent on In Vitro Gas Production of Feed (Penulis ke-2 dari 3)	2017	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
36.	Study of Local Herb Potency As Rumen Modifier: The Effect of Red Ginger Addition In Diet on In Vitro Ruminal Nutrien Digestibility (Penulis ke-1 dari 4)	2017	Present at The 5th International Seminar of Animal Nutrition & Feed Science (ISAINI), Mataram-Indonesia, 7-9 November 2017
37.	Effect of lemongrass (<i>Cymbopogon citratus</i>) litter supplementation as essential oil source on in vitro ruminal nutrient digestibility (Penulis ke-2 dari 4)	2017	Proceedings of The 5th International Seminar of Animal Nutrition & Feed Science (ISAINI), Mataram-Indonesia, 7-9 November 2017. Pages: 197-206. ISBN: 978-602-51437-0-0 eISBN: 978-602-51437-1-7
38.	Effect of <i>Kaempferia galanga</i> L. on in Vitro Nutrients Digestibility, Ruminal Fermentation and Methane Production (Penulis ke-1 dari 4)	2016	The 17 th Asian-Australasian Association of Animal Production Societies Animal Science Congress, 22-25 August 2016, Fukuoka Japan
39.	The Effect of Different Long-Term Storage with Rice Bran-Caco ₃ as Carrier of Aerobic Thermolignocellulolytic Inoculums as Starter on Fiber Compound Content of Fermented Rice Straw (Penulis ke-4 dari 4)	2016	Proceedings of The 17 th Asian-Australasian Association of Animal Production Societies Animal Science Congress, 22-25 August 2016, Fukuoka Japan
40.	Improvement of Nutritional Value of Soybean Meal Fermented by Phytase-Producing Bacteria from Tofu-Industry Waste Soil (Penulis ke-2 dari 3)	2016	Proceedings of the 1 st UGM International Conference on Tropical Agriculture (ICTA), 25-26 October, 2016. Yogyakarta, Indonesia
41.	Effects of Four Essential Oils on Nutrients Digestibility of in Vitro Fermentation with Ongole Crossbreed Cattle Rumens	2016	Proceedings of the 1 st UGM International Conference on Tropical Agriculture (ICTA),

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
	(Penulis ke-1 dari 4)		25-26 October, 2016. Yogyakarta, Indonesia
42.	Effect Supplementation of Multi-Nutrient Feed Supplement or Urea Multi-Nutrient Molasses Block in Diet of Dairy Cattle (Penulis ke-1 dari 3)	2016	Proceeding The 3 rd APIS and 3 rd ARCAP in Batu October 19-21, 2016

Courses

1. Pengantar Bioteknologi
2. Biokimia Dasar
3. Enzimologi dan Teknologi Fermentasi
4. Toksikologi Pakan
5. Seminar
6. Mikrobiologi Ternak
7. Teknologi Fermentasi dan Enzim
8. Pengolahan Hasil Ternak Tropis Mutakhir

Achievements/Awards

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