

STAFF HANDBOOK

Name : Prof. Ir. Ambar Pertiwiningrum, M.Si., Ph.D., IPM.
 Post : Mikrobiologi Terapan
 Academic carrer : S1 UGM
 S2 UGM
 S3 Gifu University

Research over the last 5 years

No.	Judul Penelitian <i>Research Title</i>	Tahun <i>Year</i>	Sumber Dana <i>Source of Funds</i>
1.	Pengaruh Volume Adsorben dan Waktu Adsorpsi pada Penyerapan Karbondioksida dalam Biogas	2020	RTA UGM
2.	Pengembangan Piranti Penyimpanan untuk Meningkatkan Kemudahan Penanganan dan Transportasi di Perdesaan	2020	PTUPT Ristekdikti
3.	Potensi Sludge Biogas Terfortifikasi Limbah Susu dan Kerabang Telur sebagai Media Tumbuh Jamur serta Hasil Limbahnya sebagai Biochar	2020	Penelitian Tesis Magister, PTNBH-Kemenristekdikti
4.	Optimasi dan Biodegradasi Limbah Bulu Unggas dengan Enzim Ekstraseluler Keratinase dari Strain Indigenous Indonesia	2020	Hibah Tematik Laboratorium Fakultas Peternakan UGM
5.	Pemanfaatan Limbah Pertanian dan Peternakan sebagai Adsorben Karbondioksida pada Purifikasi Biogas	2019	RTA UGM
6.	Pengembangan Piranti Penyimpanan untuk Meningkatkan Kemudahan Penanganan dan Transportasi di Perdesaan	2019	PTUPT Ristekdikti
7.	Rehabilitasi Ekosistem Lahan Gambut Tropika Melalui Sistem Pertanian Siklus-Organik Terpadu untuk Lingkungan dan Kehidupan Bermartabat Berkelanjutan	2019	Ristekdikti
8.	Evaluasi Kualitas Media Tanam Jamur dengan Fortifikasi Aneka Limbah Peternakan	2019	Hibah Penelitian Tematik Laboratorium Fakultas Peternakan UGM
9.	Penanganan Limbah Cair Industri Penyamakan Kulit di Kabupaten Bantul dengan Kombinasi Perlakuan Fisik, Kimia, dan Mikrobiologis	2019	Hibah Pascasarjana Fakultas Peternakan UGM
10.	Peningkatan Produktivitas Sistem Pertanian Terpadu Berbasis Siklus Bahan Organik untuk Mendukung Kedaulatan Pangan Sehat dan Energi Terbarukan	2018	Penelitian Terapan Unggulan Perguruan Tinggi (PTUPT), Ristekdikti
11.	Pengembangan Piranti Penyimpanan untuk	2018	Penelitian Terapan

No.	Judul Penelitian <i>Research Title</i>	Tahun <i>Year</i>	Sumber Dana <i>Source of Funds</i>
	Meningkatkan Kemudahan Penanganan dan Transportasi di Perdesaan		Unggulan Perguruan Tinggi (PTUPT), Ristekdikti
12.	Pemanfaatan Cangkang telur dan Limbah Rumah Potong Hewan Peternakan Unggas Sebagai Bahan Penyusun Media Tanam Jamur Tiram Putih (<i>Pleurotus Florida</i>)	2018	Hibah Tematik Laboratorium, Fakultas Peternakan UGM
13.	Screening and Characterization of Keratinolytic Bacteria from Puffer Fish Skin Waste	2017	Kementerian Perindustrian RI
14.	Optimalisasi Metana dalam Biogas Melalui Adsorpsi Karbondioksida Menggunakan Kombinasi Adsorben Zeolit Alam dan Arang dari Kotoran Ayam atau Sludge Biogas	2017	Sekolah Pascasarjana UGM
15.	Pemanfaatan Sludge Ekskreta Ayam dan Sludge Kotoran Sapi Sebagai Substitusi Dedak pada Media Tanam Jamur Tiram Putih (<i>Pleurotus florida</i>)	2017	Hibah Tematik Laboratorium Fakultas Peternakan
16.	Peningkatan Produktivitas Sistem Pertanian Terpadu Berbasis Siklus Bahan Organik untuk Mendukung Kedaulatan Pangan Sehat dan Energi Terbarukan (Lanjutan, Tahun IV)	2017	PUPT DIKTI
17.	Rekayasa Teknologi Pengolahan Limbah Kulit Ikan Kakap Putih sebagai Produk Kulit Komersial Berbasis Ekspor (batch 2) (Peneliti Tunggal)	2016	DIKTI (Penelitian Unggulan Perguruan Tinggi)
18.	Perakitan Teknologi Gama Absorban-Biogas untuk Peningkatan Daya Simpan Gas Metan dalam Mendukung Kemandirian Energi Terbarukan (Anggota dari 4 Peneliti)	2016	DIKTI (Penelitian Unggulan Perguruan Tinggi)
19.	Peningkatan Produktivitas Sistem Pertanian Terpadu Berbasis Siklus Bahan Organik untuk Mendukung Kedaulatan Pangan Sehat dan Energi Terbarukan (Anggota dari 2 Peneliti)	2016	DIKTI (Penelitian Unggulan Perguruan Tinggi)
20.	Formulasi Kurikulum SMK 4 tahun Bidang Pertanian Organik dalam Mendukung Ketangguhan Pangan Berkolaborasi dengan Pemerintah Prancis (Ketua dari 4 Peneliti)	2016	Direktorat Pembinaan SMK, Kemendikbud
21.	Pengembangan Produk Kreatif Kulit Ikan Kakap Sebagai Komoditas Unggulan Nasional (Ketua dari 2 Peneliti)	2016	Hibah Kompetensi DIKTI
22.	Development of Sustainable Integrated Coastal Area through Integrated Bio-cycles Farming System for Excellent Comodity of Coconut Processing (Ketua dari 4 Peneliti)	2016	Peningkatan Kapasitas Peneliti dalam Penyusunan Proposal Multidisiplin UGM
23.	Serbuk Cangkang Telur sebagai Biomateri Bakteri Pengomposan dan Produksi Gas (Anggota dari 5 Peneliti)	2016	Hibah 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.	Pemberdayaan Masyarakat "Pengembangan Agro-Environment Edu Techno Park (AETP) di Desa Sriharjo Bantul	2020	YESSA Jepang
2.	Pemberdayaan Wanita Di Desa Tahunan, Kecamatan Tegalombo, Kabupaten Pacitan dalam Upaya Peningkatan Pendapatan Keluarga Di Masa Pandemi Covid-19 melalui Pemanfaatan Empon-Empon dan Susu Sapi menjadi Produk Susu Sehat' pada skema Pengabdian kepada Masyarakat Berbasis Pendidikan Bagi Pembangunan Berkelanjutan Tahun 2020	2020	DKPM UGM
3.	Desain Teknologi Tepat Guna Pengolahan Limbah Peternakan di Lingkungan UPT Ternak Perah UGM	2020	Hibah Tematik Pengabdian Laboratorium Fakultas Peternakan UGM
4.	Rancang Bangun Tinning Drum pada Proses Penyamakan Kulit untuk Industri Penyamakan Kulit Skala UMKM	2019	Hibah TTG, UGM
5.	Implementasi Integrated Farming pada Sektor Peternakan yang Berbasis Pemberdayaan Masyarakat di Desa Tahunan Kabupaten Pacitan	2019	Hibah ESD, UGM
6.	Intensifikasi Produk Pengolahan Limbah Ternak Unit Pelaksana Teknis (UPT) Terpadu Fakultas Peternakan Universitas Gadjah Mada Melalui Penyempurnaan Sistem Penanganan dan Pengolahan	2019	Fakultas Peternakan Universitas Gadjah Mada
7.	Pemberdayaan Peternak Rakyat Sapi Perah melalui Implementasi Integrated Farming di Kelompok Ternak Desa Tahunan Kabupaten Pacitan	2019	Fakultas Peternakan Universitas Gadjah Mada
8.	Pendampingan Peningkatan Nilai Ekonomi Melalui Pemanfaatan Limbah Organik dan Penguatan Kelembagaan pada Kelompok Ternak Sapi Potong di TPS Piyungan Bantul	2019	Fakultas Peternakan Universitas Gadjah Mada
9.	Aplikasi Biofermentasi Buah Maja pada Pengolahan Limbah Peternakan Ayam Potong di Desa Banjar Arum, Kecamatan Kalibawang, Kabupetan Kulonprogo	2019	Hibah Pengabdian Tematik Laboratoruim Fakultas Peternakan UGM
10.	Teknologi Bio-Fermentasi dengan Bahan Baku Lokal Sebagai Agen Penghilang Bau Kandang Ternak dan Aplikasinya dalam Proses Pengomposan	2017	Hibah Tematik Pengabdian Fakultas Peternakan
11.	Teknologi Bio-Fermentasi dengan Bahan Baku Lokal Sebagai Agen Penghilang Bau Kandang Ternak dan Aplikasinya dalam Proses Pengomposan	2017	Hibah Pascasarjana Fakultas Peternakan
12.	Pengembangan Starter Mikrobial Lokal untuk Pengolahan Limbah Peternakan Di Kelompok Ternak Andini Gotro, Dusun Bathang, Desa	2016	Hibah Tematik Pengabdian Fakultas Peternakan

No.	Judul Kegiatan <i>Activity Title</i>	Tahun <i>Year</i>	Sumber Dana <i>Source of Funds</i>
	Tambakrejo, Kecamatan Tempel, Kabupaten Sleman		
13.	Transfer Teknologi Biostarter untuk Pengolahan Limbah Peternakan Ayam Potong di Desa Banjar Arum, Kecamatan Kalibawang, Kulonprogo	2016	Hibah Pengabdian Program Pascasarjana Fakultas Peternakan UGM
14.	Implementasi Integrated Farming System Berbasis Peternakan dan Pertanian dalam Menciptakan Kawasan Tangguh Pangan	2016	BPPTNBH (Bantuan Pendanaan PTN BH)

Important publications over the last 5 years

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
1.	The potential of Biogas Sludge Dairy Cattle with Fortification of Expired Milk Powder Waste and Eggshell as a Planting Media of White Oyster Mushroom (<i>Pleurotus florida</i>) on Mycelium Growth (Sirajuddin, M.M., Muhlisin, Pertiwinigrum, A.)	2021	IOP Conference Series: Earth and Environmental Science, 2021, 686(1), 012060
2.	Improving white oyster mushroom productivity by biogas sludge and its potential as functional foods (Rahmadian, Y., Pertiwinigrum, A.)	2021	IOP Conference Series: Earth and Environmental Science, 2021, 662(1), 012013
3.	Survival ability of <i>Bacillus cereus</i> LS2B in the presence of tannery wastewater (Fitriyanto, N.A., Azhar, I., Prasetyo, R.A., Abidin, M.Z., Erwanto, Y., Kurniawati, N., Pertiwinigrum, A.)	2021	IOP Conference Series: Earth and Environmental Science, 2021, 667(1), 012035
4.	The utilization of biogas sludge biochar to lead zero waste system in biogas implementation: the effect of volume on carbon dioxide and methane content (Pertiwinigrum, A. , Wuri, M.A., Pambudi, W.L., Mira, L., Harto, A.W., Fitriyanto, N.A.)	2021	International Journal of GEOMATE, 2021, 20(79), pp. 119–124
5.	The effect of sludge dairy cattle and expired milk powder waste as growth media for white oyster mushroom (<i>Pleurotus florida</i>) (Sirajuddin, M.M., Muhlisin, Pertiwinigrum, A.)	2021	IOP Conference Series: Earth and Environmental Science, 2021, 637(1), 012047
6.	Antibacterial effects of Kepok Banana bunch (<i>Musa paradisiaca</i> L.) against <i>Staphylococcus aureus</i> (Maryati, T., Nugroho, T., Bachruddin, Z., Pertiwinigrum, A.)	2021	IOP Conference Series: Earth and Environmental Science, 2021, 637(1), 012046
7.	Tropical Biological Natural Resource Management Through Integrated Bio-Cycles Farming System (C Agus, M Nugraheni, A	2021	Sustainable Bioeconomy, 209-238, Springer, Singapore

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
	Pertiwiningrum , MA Wuri, NAI Hasanah, C Sugiyanto, E Primananda)		
8.	Pemberdayaan Istri-Istri Peternak Melalui Pengolahan Susu pada Masa Pandemi Covid-19 Di Desa Tahunan, Kabupaten Pacitan (A Pertiwiningrum , TA Prabowo, C Sugiyanto, S Indarjulianto, MA Wuri)	2021	Journal of Empowerment Community 3 (1), 17-22
9.	The exploration of banana bunch as a new vegetable tanning agent (Maryati, T., Pertiwiningrum , A., Bachrudin, Z., Yuliatmo, R.)	2020	IOP Conference Series: Materials Science and Engineering, 2020, 980(1), 012019
10.	Rice husk-based biochar for carbon dioxide adsorption in biogas (Pertiwiningrum , A., Besari, R.N., Wuri, M.A., Harto, A.W., Fitriyanto, N.A., Yanuari, A.A.S.)	2020	IOP Conference Series: Earth and Environmental Science, 2020, 599(1), 012021
11.	How return sludge increase biogas production from cow manure? (Pertiwiningrum , A., Kusuma Wardani, R., Wintoko, J., Budiarto, R., Arnita Wuri, M., Gozan, M.)	2020	E3S Web of Conferences, 2020, 181, 01006
12.	Technical and social assessment of biogas in Yogyakarta and Gorontalo, Indonesia (Naimah, D.Y.N., Wuri, M.A., Pertiwiningrum , A., Budiarto, R., Handayani, T.P.)	2020	IOP Conference Series: Earth and Environmental Science, 2020, 471(1), 012006
13.	Organic cycle system: The recycling of biogas sludge of cow manure as biochar for biogas purification (Pertiwiningrum , A., Harto, A.W., Wuri, M.A., Gemilang, A., Budiarto, R., Gozan, M.)	2020	International Journal of GEOMATE, 2020, 19(72), pp. 96–101
14.	Can Farmers' Wives Adopt New Technology? Case: Milk Processing during the Covid-19 Pandemic in the Tahunan Village, Pacitan Regency, Indonesia (Sugiyanto, Catur and Indarjulianto, Sudarminto and Pertiwiningrum , Ambar and Prabowo, Teguh Ari and Wuri, Margaretha Arnita and Trisilia, Mustika Septiyas and Fauzi, Ahmad Syahrul	2020	Munich Personal RePEc Archive (MPRA), https://mpra.ub.uni-muenchen.de/104348/
15.	Evaluation of methane and carbon dioxide emissions from livestock waste, compost, and biogas sludge (A Pertiwiningrum , MA Wuri, D Setiyana, BH Purwanto, A Widi)	2020	International Journal of GEOMATE, April, 2020, Vol.18, Issue 68, pp. 35 - 40 ISSN: 2186-2982 (P), 2186-2990 (O), Japan, DOI: https://doi.org/10.21660/2020.68.5592 Special Issue on Science, Engineering and Environment

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
16.	Empowerment of Tri-Centers Education for Communities Affected by Covid-19 in the Gunung-Sewu Mountainous Village Area (C Agus, BA Surantono, D Wulandari, A Pertiwinigrum , S Rochmiyati)	2020	Psychology and Education Journal, 57 (9), 1238-1246
17.	Increasing economic value of mondol and thorn stingray skin through the processing of commercial leather creative products (Sahubawa, L., Pertiwinigrum , A.)	2019	IOP Conference Series: Earth and Environmental Science, 2019, 404(1), 012084
18.	Improving nutrients in cattle manure by converting it into biogas sludge and compost (Pertiwinigrum , A., Wuri, M.A., Setiyana, D., Budiarto, R., Koranto, C.A.D., Gozan, M.)	2019	IOP Conference Series: Earth and Environmental Science, 2019, 398(1), 012003
19.	The performance of biogas combustion after carbon dioxide absorption using sodium hydroxide (NaOH) (Pertiwinigrum , A., La'Aliya, I., Yusiati, L.M., Harto, A.W.)	2019	IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012051
20.	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., Pertiwinigrum , A.)	2019	IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012026
21.	Biochemical and physical properties of goat feces liquid biofertilizer fermented with chicken excreta combination and different fermentation condition (Fitriyanto, N.A., Priyadi, D.A., Suranindyah, Y., Yusiati, L.M., Erwanto, Y., Kurniawati, N., Pertiwinigrum , A.)	2019	IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012108
22.	Lanthanide-dependent methanol dehydrogenase from the legume symbiotic nitrogen-fixing bacterium Bradyrhizobium diazoefficiens strain USDA110 (Wang, L., Suganuma, S., Hibino, A., Mitsui, R., Tani, A., Matsumoto, T., Ebihara, A., Fitriyanto, N.A., Pertiwinigrum , A., Shimada, M., Hayakawa, T., Nakagawa, T.)	2019	Enzyme and Microbial Technology, 2019, 130, 109371
23.	Combustion of Purified Biogas after Carbon Dioxide Absorption Using Sodium Hydroxide (Pertiwinigrum , A., La'aliya, I., Windaika, B.U., Yusiati, L.M., Harto, A.W.)	2019	IOP Conference Series: Earth and Environmental Science, 2019, 353(1), 012014
24.	Role of watering interval and media composition on the growth of exotic fast growing species on coal mining soil (Agus, C., Anggari, P.E., Faridah, E., Wulandari, D., Suginingsiha, Ratnaningrum, Y.W.N.,	2019	IOP Conference Series: Earth and Environmental Science, 2019, 308(1), 012055

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
	Winarni, W.W., Lestari, T., Sunaryo, Y., Pertiwiningrum, A. , Napitupulu, R.P., Primananda, E.)		
25.	Role of organic soil amendment of paramagnetic humus and compost for rehabilitation of post tin-mined tropical land (Agus, C., Hendryan, A., Harianja, V., Faridah, E., Atmanto, W., Cahyanti, P.A.B., Wulandari, D., Pertiwiningrum, A. , Suhartanto, B., Bantara, I., Hutahaean, B., Suparto, B., Lestarii, T.)	2019	International Journal of Smart Grid and Clean Energy, 2019, 8(5), pp. 556–561
26.	Mapping of resources and potential development for food-secure region in east seram, Maluku province, Indonesia (Pertiwiningrum, A. , Setianto, A., Supriadi., Wuri, M.A., Prabowo, T.A.)	2019	International Journal of Recent Technology and Engineering, 2019, 8(2), pp. 4143–4147
27.	Carbon Dioxide Adsorption on Chicken Manure or Biogas Sludge derived Biochar and its modification to enrich Methane Composition in Biogas (Wuri, M.A., Pertiwiningrum, A. , Budiarto, R., Gozan, M.)	2019	Research Journal of Chemistry and Environment, 2019, 23(2), pp. 91–98
28.	Heating value enhancement by biogas purification using natural zeolite and rice straw-based biochar (Pertiwiningrum, A. , Wuri, M.A., Harto, A.W., Budiarto, R., Gozan, M.)	2019	International Journal of GEOMATE, 2019, 16(55), pp. 80–85
29.	The role of soil organic amendment of humus paramagnetic and compost for remediation of post tin mining tailing media and their growth of Reutealis trisperma seedling (C Agus, A Hendryan, V Harianja, E Faridah, WD Atmanto, PAB Cahyanti, D Wulandari, A Pertiwiningrum, B Suhartanto, I Bantara, BP Hutahaean, B Suparto, T Lestari)	2019	International Journal of Smart Grid and Clean Energy (IJSGCE) 8 (5), 556-561
30.	Potency of different banana bunches cultivar (Musa sp) as vegetable tanning agents (T Maryati, T Nugroho, Z Bachruddin, A Pertiwiningrum)	2019	International Seminar on Tropical Animal Production (ISTAP), 253-257
31.	Kualitas Fisik Antimicrobial Edible Film (AmEF) dengan Ekstrak Daun Teh (Camellia sinensis) dari Gelatin Limbah Tulang Ayam (L Windyasmara, A Pertiwiningrum, Y Erwanto, NW Asmoro, A Afriyanti)	2019	Jurnal Ilmu Peternakan dan Veteriner Tropis (Journal of Tropical Animal and Veterinary Science), 9(1): 6-11
32.	Potential Baggase and Molasses Waste Sugar Factory For Mixed Substrates With	2019	Jurnal Ilmu Peternakan dan Veteriner Tropis (Journal of

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
	Cow Manure In Fermentation Process Methanogenic (L Windyasmara, A Pertiwiningrum)		Tropical Animal and Veterinary Science) 8(2): 66-70
33.	The Effects of Tanning with Kepok Banana (Musa Paradisiaca L) Bunch on the Physical Quality of Rabbit Skin (T Maryati, A Pertiwiningrum , Z Bachruddin)	2019	Int. J. Recent Technol. Eng. 8, 12564-7
34.	Characterization of Natural Zeolite and Chicken Manure Derived Biochar for Carbon Dioxide Adsorption in Biogas (Arnita Wuri, M., Pertiwiningrum , A., Budiarto, R., Agus Dwi Koranto, C.)	2018	E3S Web of Conferences, 2018, 43, 01008
35.	Enhancing the economic value and consumer preferences of commercial mondol stingray (Himantura gerardi) leather creative products (Sahubawa, L., Pertiwiningrum , A., Rahmadian, Y.)	2018	IOP Conference Series: Earth and Environmental Science, 2018, 139(1), 012049
36.	Direct Stimulation by Methanol Addition on the Cultured Medium for Methanol Dehydrogenase Protein Purification from Bradyrhizobium japonicum USDA110 (N Kurniawati, A Pertiwiningrum, Y Erwanto, NA Fitriyanto, MZ Abidin)	2018	Bulletin of Animal Science 42 (3), 244-249
37.	Optimization of Acid Soluble Collagen Extraction from Indonesian Local “Kacang” Goat Skin and Physico-Chemical Properties Characterization (R Wahyuningsih, R Nurliyani, A Pertiwiningrum , A Rohman, NA Fitriyanto, Erwanto Y.)	2018	Chemical Engineering Transactions 63, 703-708
38.	Biosorption of Metal Ions on Methanol Dehydrogenase Enzymatic Activity of Bradyrhizobium japonicum USDA110 (N Kurniawati, A Pertiwiningrum , Y Erwanto, NA Fitriyanto, MZ Abidin)	2018	Bulletin of Animal Science, 42 (2), 139-143
39.	Renewable Energy of Biogas Through Integrated Organic Cycle System in Tropical System (Ambar Pertiwiningrum , Margaretha Arnita Wuri)	2018	Energy Management for Sustainable Development Page 99-117. ISBN 978-1-4338-0561-5. http://dx.doi.org/10.5772/intechopen.74497 . https://cdn.intechopen.com/pdfs/59606.pdf
40.	Purification by Ion Exchange Chromatography and Enzyme Characterization of Potential De-Hairing Alkaline Protease from Bacillus cereus LS2B (Yendri Junaidi, Ambar Pertiwiningrum , Yuny Erwanto, Jamhari,	2018	Pakistan Journal of Biotechnology Vol. 15 No. 2 Page 413-421. ISSN Print: 1812-1837 ISSN Online: 2312-7791. http://www.pjbt.org/

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	Lies Mira Yusiati, Takashi Hayakawa, Tomoyuki Nakagawa, Nanung Agus Fitriyanto)		
41.	Optimizing of Protease Purification from <i>Bacillus cereus</i> TD5B by Ammonium Sulfate Precipitation (Atik Winarti, Nanung Agus Fitriyanto, Jamhari, Ambar Pertiwiningrum , Zaenal Bachruddin, Yudi Pranoto, Yuny Erwanto)	2018	Chemical Engineering Transactions Vol. 63. Page 709-714. ISBN 978-88-95608-61-7; ISSN 2283-9216. DOI: 10.3303/CET1863119. http://www.aidic.it/cet/18/63/119.pdf
42.	Mapping Resources and Potential Development for Food Secure Region in East Seram, Maluku Province (Ambar Pertiwiningrum)	2018	Presented at Seminar Tropentag 2018, Global Food Security and Food Safety in Ghent, Belgium
43.	Optimization of the Use of Farm Waste and Water Hyacinth for Earthworm (<i>Lumbricus rubellus</i>) Cultivation Media (Ulan Paluti Agustina, Agus Prasetya, and Ambar Pertiwiningrum)	2018	Buletin Peternakan Vol. 42 No. 2 Halaman 157-163.
44.	Development of Masterplan and Initial Program for Food Security in Papua Region, Indonesia (Ambar Pertiwiningrum , Cahyono Agus Dwi Koranto, Supriadi, Ali Agus, Supriyanta, Richard P. Napitupulu, Yudistira Soeherman)	2018	Jurnal Wilayah dan Lingkungan Vol. 6 No. 2 Halaman 88-99.
45.	Kualitas Fisik Gelatin Limbah Tulang Ayam yang Diekstrasi dengan Asam Klorida (Ludfia Windyasmara, Ambar Pertiwiningrum , Yuny Erwanto, Novian Wely Asmoro, Afriyanti)	2018	Prosiding Seminar Nasional Fakultas Pertanian. Fakultas Pertanian Universitas Veteran Bangun Nusantara. Halaman 107-115. http://jurnal.agrisaintifika-fpunivet.ac.id/
46.	Kirby-Bauer Test Ekstrak Peras Buah Maja Matang sebagai Inhibitor Urease dan Inhibitor Nitrifikasi pada <i>Escherichia coli</i> (Novita Kurniawati, Nanung Agus Fitriyanto, Ambar Pertiwiningrum , Yuny Erwanto, dan Mohammad Zainal Abidin)	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. 243-247. ISBN: 978-979-1215-33-6
47.	Kualitas Kimia Sosis Ayam dengan Coating Edible Film dari Gelatin Limbah Tulang Ayam (Ludfia Windyasmara, Ambar	2018	Prosiding Simposium Nasional Penelitian dan Pengembangan Peternakan

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
	Pertiwiningrum , Yuny Erwanto, Novian Wely Asmoro, dan Afriyanti)		Tropik 2018 "Inovasi Teknologi Peternakan Menyongsong Era Industri 4.0". Fakultas Peternakan Universitas Gadjah Mada, Yogyakarta, 5 November 2018. Hal. 248-252. ISBN: 978-979-1215-33-6
48.	Chemical Quality of Chicken Bone Waste Gelatin Extracted using Chloride Acid (Ludfia Windyasmara, Ambar Pertiwiningrum , Novian Wely Asmoro)	2018	Buletin Peternakan Vol. 42 No. 4, hal. 322-326, 2018. ISSN-0126-4400/E-ISSN-2407-876X. https://journal.ugm.ac.id/buletinpeternakan/article/view/29104/22955
49.	Intangible Costs Resulting from Inefficient Feeding and Water Usage in Smallholder Dairy Farm in Indonesia (Penulis ke-5 dari 5)	2017	International Journal of Dairy Science Volume 12, Number 3, 211-217, 2017. Published by: Academic Journal Inc. ISSN: 1811-9751, pISSN: 1811-9743. DOI: 10.3923/ijds.2017.211.217
50.	Potential Test on Utilization of Cow's Rumen Fluid to Increase Biogas Production Rate and Methane Concentration in Biogas (Penulis ke-1 dari 6)	2017	Asian Journal of Animal Sciences Vol. 11 No. 2:82-87, 2017. ISSN 1819-1878. Published by: Knowledgia Scientific. DOI: 10.3923/ajas.2017.82.87
51.	Making Organic Fertilizer Using Sludge from Biogas Production as Carrier Agent of <i>Trichoderma harzianum</i> (Penulis ke-1 dari 6)	2017	Journal of Biological Sciences, Vol. 17, No. 1, 2017: 21-27 ISSN: 1727-3048. Published by: ANSInet. DOI:10.3923/jbs.2017.21.27
52.	Screening and Characterization of Keratinolytic Bacteria from Puffer Fish Skin Waste (Penulis ke-6 dari 6)	2017	Pakistan Journal of Nutrition Vol. 16 (7): 488-496, 2017. ISSN: 1680-5194. Published by: ANSInet. DOI: 10.3923/pjn.2017.488.496. URL: http://scialert.net/abstract/?doi=pjn.2017.488.496
53.	Semi Purification and Identifications Molecule Protein Weigh of Alkaline Protease Enzyme from <i>Bacillus cereus</i> LS2B (Penulis ke-2 dari 4)	2017	International Journal of Bio-Science and Bio-Technology, Vol. 9, No. 3, 2017: 89-100. Indexed by Scopus, Impact

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
			Faktor: 0,22 (SJR). Published by: Science & Engineering Research Support Society. ISSN: 2233-7849.
54.	Implementation of Upflow Anaerobic Sludge Blanket Digester to Produce Household-scale Biogas (Penulis ke-1 dari 4)	2017	Journal of Applied Sciences Vol. 17 No. 8, 2017. Page No.: 392-399. eISSN: 1812-5662. pISSN: 1812-5654. DOI: 10.3923/jas.2017.392.399
55.	The Mapping of Resources and Development Potentials of Food-Secure Region in Kupang District, Province of Nusa Tenggara Timu (Penulis tunggal)	2017	Seminar The 23nd Annual International Sustainable Development Research Conference (ISDRC) di Bogotá, Colombia, 14 - 16 Juni 2017
56.	Isolation of Bacteria Producing Enzyme Collagenase from Waste of Pufferfish (<i>Arothon reticularis</i>) Skin (Penulis ke-2 dari 6)	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
57.	Utility of Biogas Sludge as Media for White Oyster Mushroom (<i>Pleurotus florida</i>) (Penulis ke-1 dari 4)	2017	The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 485-495. ISBN: 978-979-1215-29-9
58.	Effect of adding the chicken feces meal into the biogas sludge as the bran mixture on the white A4-040 oyster mushroom (<i>Pleurotus florida</i>) productivity (Penulis ke-1 dari 4)	2017	The 2nd International Conference on Tropical Agriculture (ICTA), 2017. Program and Abstract Book. UGM, Yogyakarta, Indonesia, 26-27 October 201. Page: 71.
59.	Biosorption of metals ion on methanol dehydrogenase activity test of <i>Bradyrhizobium japonicum</i> USDA110 (Penulis ke-2 dari 5)	2017	The 2nd International Conference on Tropical Agriculture (ICTA), 2017. Program and Abstract Book. UGM, Yogyakarta, Indonesia, 26-27 October 201. Page: 96
60.	Characterization of <i>Pseudomonas</i> sp. LS3K as nitrate removal agent at different C/N ratios under aerobic condition (Penulis ke-2 dari 5)	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: 99
61.	Sistem Pertanian Terintegrasi dalam Mendukung Pengembangan Kawasan Tangguh Pangan (Penulis tunggal)	2017	Program Penguatan Agroekologi Berbasis Local Wisdom untuk mendukung Pengembangan Kawasan Tangguh Pangan, 19 – 21 Juli 2017, Hotel Forriz, Yogyakarta
62.	Adopsi Inovasi Peternakan Terintegrasi Studi Kasus: Desa Argorejo dan Argosari Kecamatan Sedayu, Kabupaten Bantul Provinsi D.I Yogyakarta (Penulis ke-6 dari 6)	2017	Buletin Peternakan Vol. 41 (3): 238-248, Agustus 2017 ISSN-0126-4400 E-ISSN-2407-876X DOI: 10.21059/buletinpeternak.v41i3.22366
63.	Pengaruh Proporsi Abu Vulkanik dan Jenis Cacing Tanah terhadap Kualitas Vermikompos Feses Sapi Potong (Penulis ke-5 dari 5)	2016	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
64.	Isolation of Indigenous Denitrifying Bacteria from the Odorous Region of A Layer Farm and its Potential as Nitrate Reducing Agent (Penulis ke-4 dari 9)	2016	Proceedings of The 17 th Asian-Australasian Association of Animal Production Societies Animal Science Congress, 22-25 August 2016, Fukuoka Japan
65.	Effect of the use of environmentally friendly tanner material on the process of tannery of fish (<i>arathon re cularis</i> /) skin against physical test and histology of skin.	2016	Proceedings of the first international conference on technology innovation and society. 20-21th july 2016,. ISBN 978-602-70570-4-3. Published by Institute Teknology Padang PRESS, Indonesia. https://eproceeding.itp.ac.id/index.php/ictis2016/ictis2016/paper/download/4/12
66.	Purification and Characterization of Extracellular Alkaline Protease from <i>Bacillus cereus</i> LS2B (Penulis ke-2 dari 5)	2016	Proceedings of the 1 st UGM International Conference on Tropical Agriculture (ICTA), 25-26 October, 2016. Yogyakarta, Indonesia.
67.	Potential Use Baggasse and Molasses of Waste Sugar Factoryas Mixed Substrates	2016	Proceedings of the 1 st UGM International Conference on

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
	with Cow Manurein Methanogenic Fermentation Process (Penulis ke-2 dari 2)		Tropical Agriculture (ICTA), 25-26 October, 2016. Yogyakarta, Indonesia.
68.	Strategi Peningkatan Adopsi Inovasi pada Peternakan Sapi Perah Rakyat di Daerah Istimewa Yogyakarta, Jawa Tengah, dan Jawa Timur (Penulis ke-5 dari 5)	2016	Buletin Peternakan Vol. 40, No. 3 (2016): 219-227. ISSN: 0126-4400
69.	Development of Food Security Through Integrated Bio-Cycles Farming System In Manokwari, Papua, Indonesia.	2016	Seminar The 22 nd Annual International Sustainable Development Research Conference (ISDRC) by International Sustainable Development Research Society (ISDRS) di Lisbon, Portugal. 13 -15 Juli 2016
70.	Development of Masterplan and Initial Program for Food Security in Papua Region, Indonesia	2016	Humanitarian Technology: Science, Systems and Global Impact Conference 2016 in Boston, MA, USA. 7-9 June 2016
71.	Marketing and Institutional Characteristics of Dairy Industry In Indonesia. (The Sixth author of 7 authors)	2016	International International Journal of Environmental & Agriculture Research (IJOEAR),[Vol-2, Issue-3, March- 2016], 106-114. PUBLISHER NAME: Mukesh Arora, ISSN:[2454-1850]. Indexing in DOAJ. Impact factor 1,238. International journal. http://www.ijoeear.com/issue_March_2016.php

Courses

1. Teknologi dan Fabrikasi Pakan
2. Teknologi Hasil Ikutan Ternak Dasar
3. Ilmu dan Teknologi Daging
4. Ilmu dan Teknologi Hasil Ikutan
5. Teknologi Penanganan Limbah Peternakan Dasar
6. Biologi Penanganan Limbah Industri Peternakan
7. Bioproses Hasil Ternak
8. Ilmu dan Industri Kulit
9. Teknologi Limbah Peternakan
10. Pengolahan Hasil Ternak Tropis Mutakhir
11. Kapita Selekta I

Achievements/Awards

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