

STAFF HANDBOOK

Name : Prof. Ir. Yuny Erwanto, S.Pt., M.P., Ph.D., IPM.
 Post : Keamanan Pangan Hasil Ternak
 Academic carrer : S1 UGM
 S2 UGM
 S3 Kagoshima University
 Ir. UGM
 IPM UGM
 Prof. UGM

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.	Kajian Bakteri Asam Laktat Proteolitik Unggul dan Aplikasinya Pada Pengawetan dan Peningkatan Kualitas Protein Pakan	2020	Rekognisi Tugas Akhir, UGM
2.	Explorasi Senyawa Bioaktif Peptida dari Protein Kolagen Kulit dan Tulang Kambing Lokal Indonesia sebagai Agen Anti-Hipertensi	2020	Penelitian Dasar, PTNBH-Kemenristekdikti
3.	Produksi Gelatin dari Tulang Kambing Lokal Indonesia: Karakterisasi dan Sifat Fungsional Gelatin Tulang Kambing Proses Enzimatik	2020	Rekognisi Tugas Akhir, UGM
4.	Pengembangan Keju Mozzarella Menggunakan Stater Kefir dengan Penambahan Gelatin	2020	Hibah Pascasarjana Fakultas Peternakan UGM
5.	Isolasi, Karakterisasi, dan Studi Antioksidan Kolagen dari Kulit Kambing Lokal Indonesia untuk Produk Kesehatan	2019	Program Rekognisi Tugas Akhir, UGM
6.	Explorasi Senyawa Bioaktif Peptida dari Protein Kolagen Kulit dan Tulang Kambing Lokal Indonesia Sebagai Agen Anti- Hipertensi	2019	Penelitian Dasar, Ristekdikti
7.	Investigasi Senyawa Inhibitor Urease, Nitrifikasi dan Kolagenase dari Tandan Kosong Kelapa Sawit Segar yang Bermanfaat untuk Industri Peternakan	2019	Hibah Penelitian Tematik Laboratorium Fakultas Peternakan UGM
8.	Explorasi Senyawa Bioaktif Peptida dari Protein Kolagen Kulit dan Tulang Kambing Lokal Indonesia Sebagai Agen Anti-Hipertensi	2018	Penelitian Berbasis Kompetensi (PBK), Ristekdikti
9.	Optimasi Proses Isolasi Kolagen dari Kulit Kambing Lokal Indonesia untuk Produk Pangan Kesehatan	2018	Penelitian Pendidikan Magister menuju Doktor untuk Sarjana Unggul (PMDSU), Ristekdikti
10.	Studi Aplikasi Protease Mikrobia untuk Meningkatkan Kemampuan Peptida Bioaktif	2018	Penelitian Pendidikan Magister

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	Sebagai Ace Inhibitor dari Itik Lokal Indonesia		menuju Doktor untuk Sarjana Unggul (PMDSU), Ristekdikti
11.	Pengaruh Penambahan Limbah Pertanian Sebagai Sumber Malat Terhadap Kecernaan Secara <i>In Vitro</i>		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.	KKN-PPM UGM Periode 2-Pengembangan Sistem Distribusi Pangan Berbasis Hubungan Persaudaraan Desa Kota Melalui Teknologi Daring Di Desa Gulon, Kecamatan Salam, Kabupaten Magelang	2020	DPKM UGM
2.	Desain Teknologi Tepat Guna Pengolahan Limbah Peternakan di Lingkungan UPT Ternak Perah UGM	2020	Hibah Tematik Pengabdian Laboratorium Fakultas Peternakan UGM
3.	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
4.	Penerapan Sistem Peternakan Terpadu Kelompok Tani Ternak Mendo Makmur di Wilayah Sleman Yogyakarta	2019	Fakultas Peternakan Universitas Gadjah Mada
5.	Aplikasi Biofermentasi Buah Maja pada Pengolahan Limbah Peternakan Ayam Potong di Desa Banjar Arum, Kecamatan Kalibawang, Kabupetan Kulonprogo	2018	Hibah Pengabdian Tematik Laboratoruim Fakultas Peternakan UGM
6.	Integrated Farming "Pengolahan limbah". Materi Kuliah Gratis Bagimu Peternak Kami Mengabdi	2018	Fakultas Peternakan UGM
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	2017	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.	Peculiar growth of <i>Pseudomonas</i> sp. LS3K	2021	IOP Conference Series: Earth

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
	with the addition of untreated tannery wastewater (Fitriyanto, N.A., Nursyahbani, W.K., Prasetyo, R.A., Abidin, M.Z., Erwanto, Y., Kurniawati, N.)		and Environmental Science, 2021, 712(1), 012004
2.	Properties of rabbit feces composting using indigenous <i>Alcaligenes</i> sp. LS2T and <i>Arthrobacter</i> sp. LM1KK (Fitriyanto, N.A., Natalia, D., Prasetyo, R.A., Erwanto, Y., Panjono., Ngadiono, N.)	2021	IOP Conference Series: Earth and Environmental Science, 2021, 662(1), 012014
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.	Total ammonia and N ₂ O emission characteristics from <i>Alcaligenes</i> sp. LS2T cultures and its application on laying hen manure associated with different pH conditions (Azkarahman, A.R., Erwanto, Y., Yusiati, L.M., Widodo, W., Fitriyanto, N.A.)	2021	International Journal of Environment and Waste Management, 2021, 27(1), pp. 1–20
5.	Angiotensin-converting enzyme inhibitor activity of peptides derived from Kacang goat skin collagen through thermolysin hydrolysis (Pratiwi, A., Hakim, T.R., Abidin, M.Z., Fitriyanto, N.A., Jamhari, J., Rusman, R., Erwanto, Y.)	2021	Veterinary World, 2021, 14(1), pp. 161–167
6.	Characteristics and Antioxidant of Goat Skin Gelatin as an for <i>Lactobacillus plantarum</i> 1UHCC Pretreatment and Acetic Acid (H HASMA, E ABUSTAM, R MALAKA, MI SAID, Y ERWANTO)	2021	International Journal of Pharmaceutical Research 13 (1): 5399-5406
7.	Virgin Coconut Oil: Extraction, Physicochemical Properties, Biological Activities and Its Authentication Analysis (Rohman, A., Irnawati., Erwanto, Y., Lukitaningsih, E., Rafi, M., Fadzilah, N.A., Windarsih, A., Sulaiman, A., Zakaria, Z.)	2021	Food Reviews International, 2021, 37(1), pp. 46–66
8.	The Application of DNA-Based Methods for Authentication Analysis: Examples in Halal and Khosher Food Products	2020	Book Chapter: Galanakis-FAT-163249 Chapter CH007 ISBN: 978-0-12-821104-5 Penerbit: Elsevier Inc. http://elsevier.com
9.	Wild Boar-Specific PCR Assay and Sequence Analysis Based on Mitochondrial Cytochrome-B Gene for Halal Authentication Studies	2020	Indonesian Journal of chemistry Vol. 20(2), 2020: 483-492
10.	The viability of probiotic <i>Lactobacillus acidophilus</i> IFO 13951 and <i>Bifidobacterium</i>	2020	Food Research Vol. 4(4), 2020: 1191-1195

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
	longum ATCC 15707 in gummy candies decreased during 4 weeks of storage		
11.	Qualitative and quantitative analysis of canine (<i>canis lupus familiaris</i>) meat in meatballs for halal authentication study using real-time polymerase chain reaction	2020	International Journal of Agriculture & Biology Volume 23 (1), 2020: 103-108
12.	Maja Fruit Extracts Inhibit <i>Escherichia coli</i> , Reduce Fly Larvae Population, and Ammonia Emission of Chicken Excreta	2020	Tropical Animal Science Journal, Volume 43(4), 2020: 369-376
13.	Review on analytical methods for analysis of porcine gelatine in food and pharmaceutical products for halal authentication (Rohman, A., Windarsih, A., Erwanto, Y., Zakaria, Z.)	2020	Trends in Food Science and Technology, 2020, 101, pp. 122-132
14.	Ekstraksi Dan Karakterisasi Gelatin Tulang Kambing Kacang Menggunakan Neutrase (DN Matulesy, Y Erwanto, N Nurliani, E Suryanto)	2020	Agrinimal Jurnal Ilmu Ternak dan Tanaman 8 (1), 24-32
15.	Quality of Chicken Sausage Coated by Transglutaminase-Crosslinked Bovine Split Hide Gelatin and Soy Protein Isolate Edible Film During Chilled Storage (D Wulandari, Y Erwanto, Y Pranoto, R Rusman, S Sugiyanto)	2020	Jurnal Ilmu dan Teknologi Hasil Ternak (JITEK) 15 (3), 142-151
16.	Antibacterial Activity of Maja Fruit Extract Against <i>Escherichia coli</i> 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
17.	The Effect of Fresh and Hay Alfalfa (<i>Medicago sativa</i> L.) Supplementation on Carcass Quality of Hybrid Duck (Suwignyo, B., Suryanto, E., Sasongko, H., Erwanto, Y., Rini, E.A.)	2020	IOP Conference Series: Earth and Environmental Science, 2020, 478(1), 012024
18.	Biodegradation raw trimming waste from goat's skin tannery by enzymatic method (Pratiwi, A., Hakim, T.R., Fitriyanto, N.A., Abidin, M.Z., Erwanto, Y.)	2020	IOP Conference Series: Earth and Environmental Science, 2020, 483(1), 012015
19.	Cleaner sheep leather tanning process using <i>uncaria gambir</i> : The influence of rebating on leather properties (Griyanitasari, G., Rahmawati, D., Sugihartono,, Erwanto, Y.)	2020	Journal of Physics: Conference Series, 2020, 1524(1), 012011
20.	Isolation and characterization of collagen from local goat bone using pepsin hydrolysis	2020	IOP Conf. Series: Earth and Environmental Science 492 (2020) 012083. ISSN: 1755-1307
21.	Characterization and growth profile of	2020	The 3rd International

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
	proteolytic strain PK-4 isolated from local slaughterhouse wastewater		Conference on Bioinformatics, Biotechnology, and Biomedical Engineering (BioMIC 2020), 7-8 October 2020. ISSN: 2117-4458
22.	The Potential Utilization of Jawa Super Chicken Egg as People Food Security in Ngoro-Oro Village, Gunungkidul, During Covid-19 Pandemic	2020	Programme Book The 2nd International Conference on Community Engagement and Education for Sustainable Development (ICCEESD) 2020. Yogyakarta 24-25 November 2020, page: 64-65
23.	Effect of Bay Leaf Infusion on Microbiological, Chemical and Physical Quality of Chicken Meat	2020	Buletin Peternakan Vol 44 (3):92-97, Agustus 2020
24.	The Substitution Effects of Tapioca Starch and Beetroot Powder as Filler on the Physical and Sensory Characteristics of Chicken Sausage	2020	Jurnal Ilmu dan Teknologi Hasil Ternak, July 2020 Vol. 15 No. 2 : 97-107
25.	Perbandingan Metode Isolasi pada Deteksi Kulit Sapi, Kerbau, Kambing, dan Babi sebagai Bahan Baku Rambak Kulit	2020	Jurnal Triton, Volume 11 Nomor 1, 2020: 37-44
26.	Identification of Goat Skin and Pig Skin as the Raw Material of Rambak Using PCR-RFLP Method	2020	Jurnal Sain Peternakan Indonesia, Volume 15(4), 2020: 420-425
27.	The employment of q-PCR using specific primer targeting on mitochondrial cytochrome-b gene for identification of wild boar meat in meatball samples	2019	Journal of Advanced Veterinary and Animal Research 6(3), pp. 300-307 eISSN 2311-7710 Published online: July 06, 2019
28.	Differentiation of bovine and porcine gelatines using lc-ms/ms and chemometrics	2019	International Journal of Applied Pharmaceutics 11 (4), pp. 159-163 ISSN: 0975-7058
29.	Isolation and characterization of Alcaligenes sp. LS2T from poultry farm at Yogyakarta city and the growth ability in animal's urine medium	2019	AIP Conference Proceedings 2099,020006
30.	The effect of alfalfa (<i>Medicago sativa</i> L.) supplementation on hybrid duck performance (Rini, E.A., Suwignyo, B., Suryanto, E., Erwanto, Y., Sasongko, H.)	2019	IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012052
31.	Porcine-specific Primer based on Cytochrome B by Real-Time Polymerase Chain Reaction Method for Identification in Raw Meat (N Salamah, Y Erwanto, S Martono, A Rohman)	2019	Ahmad Dahlan International Conference Series on Pharmacy and Health Science (ADICS-PHS 2019), 4-9

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
32.	Kualitas Fisik Antimicrobial Edible Film (AmEF) dengan Ekstrak Daun Teh (<i>Camellia sinensis</i>) 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
33.	Improvement of bovine split hide gelatin quality by addition of soy protein isolate using transglutaminase enzyme (D Wulandari, Y Erwanto, Y Pranoto, R Rusman, R Yuliatmo)	2019	Tropical Animal Science Journal 42 (3), 237-244
34.	Universal mitochondrial 16S rRNA biomarker for mini-barcode to identify fish species in Malaysian fish products (MA Motalib Hossain, Syed Muhammad Kamal Uddin, Zaira Zaman Chowdhury, Sharmin Sultana, Mohd Rafie Johan, Abdul Rohman, Yuny Erwanto, Md Eaqub Ali)	2019	Food Additives & Contaminants: Part A 36 (4), 493-506
35.	Hydrolyzation of duck meat protein using <i>Bacillus cereus</i> TD5B protease, pepsin, trypsin and their potency as an angiotensin converting enzyme inhibitor (Winarti, A., Rahmawati, F., Fitriyanto, N.A., Jamhari, J., Erwanto, Y.)	2019	Journal of the Indonesian Tropical Animal Agriculture, 2019, 44(3), pp. 266–276
36.	Improvement of Bovine Split Hide Gelatin quality by addition of soy protein isolate using transglutaminase enzyme (Wulandari, D., Erwanto, Y., Pranoto, Y., Rusman,, Yuliatmo, R.)	2019	Tropical Animal Science Journal, 2019, 42(3), pp. 237–244
37.	Cleaner leather tanning process using gambir: The influence of rebating on the properties of leather Un procédé de tannage du cuir plus écologique utilisant le gambir: L'influence du re-confitage sur les propriétés du cuir (Griyanitasari, G., Rahmawati, D., Sugihartono,, Erwanto, Y.)	2019	Leather and Footwear Journal, 2019, 19(4), pp. 217–266
38.	Universal mitochondrial 16s rRNA biomarker for mini-barcode to identify fish species in Malaysian fish products (Hossain, M.A.M., Uddin, S.M.K., Chowdhury, Z.Z., Sultana, S., Johan, M.R., Rohman, A., Erwanto, Y., Ali, M.E.)	2019	Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2019, 36(4), pp. 493–506
39.	Quality Protein, Viscosity, Gel Strength and Structural Morphology of Sheepskin Gelatin Catalyzed HCl with Different Concentrations (Hasdar, M., Rahmawati, Y.D., Erwanto, Y., Rusman)	2019	IOP Conference Series: Earth and Environmental Science, 2019, 334(1), 012049

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
40.	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., Pertiwiningrum, A.)	2019	IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012108
41.	Growth optimization of Bacillus subtilis 11A isolated from Indonesian native chicken (Gallus domesticus) 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
42.	The Potential of Hydrolysate from Rabbit Meat Protein as an Angiotensin Converting Enzyme Inhibitor	2019	Buletin Peternakan Vol. 43 (1): 31-37, February 2019.
43.	Increased Inhibition of Angiotensin Converting Enzyme (ACE) Obtained from Indonesian Buffalo Meat Protein Using SEP-PAK Plus C18	2018	Pakistan Journal of Nutrition Vol. 17 No. 9 Page 434-440. ISSN 1680-5194. DOI: 10.3923/pjn.2018. https://scialert.net/previous.php?issn=1680-5194
44.	Optimization of Acid Soluble Collagen Extraction from Indonesian Local “Kacang” Goat Skin and Physico-Chemical Properties Characterization	2018	Chemical Engineering Transactions Vol. 63 No. 1 Page 703-708. ISSN 2283-9216. DOI: 10.3303/CET1863118. http://www.aidic.it/cet/18/63/118.pdf
45.	Identification of pig DNA in food products using polymerase chain reaction (PCR) for halal authentication-a review (Erwanto, Y., Rohman, A., Arsyanti, L., Pranoto, Y.)	2018	International Food Research Journal, 2018, 25(4), pp. 1322–1331
46.	Optimization of conditions for extraction of pepsin-soluble collagen from indonesian local “kacang” goatskin by response surface methodology (Wahyuningsih, R., Rusman, Nurliyani, Pertiwiningrum, A., Rohman, A., Fitriyanto, N.A., Erwanto, Y.)	2018	American Journal of Animal and Veterinary Sciences, 2018, 13(2), pp. 70–75
47.	Chemical composition and characterization of skin gelatin from buffalo (Bubalus bubalis) (Arsyanti, L., Erwanto, Y., Rohman, A., Pranoto, Y.)	2018	International Food Research Journal, 2018, 25(3), pp. 1095–1099
48.	Optimizing of Protease Purification from Bacillus cereus TD5B by Ammonium Sulfate Precipitation	2018	Chemical Engineering Transactions Vol. 63. Page 709-714. ISBN 978-88-95608-61-7; ISSN 2283-9216. DOI: 10.3303/CET1863119.

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
			http://www.aidic.it/cet/18/63/119.pdf
49.	Purification by Ion Exchange Chromatography and Enzyme Characterization of Potential De-Hairing Alkaline Protease from <i>Bacillus cereus</i> LS2B	2018	Pakistan Journal of Biotechnology Vol. 15 No. 2 Page 413-421. ISSN Print: 1812-1837 ISSN Online: 2312-7791. http://www.pjbt.org/
50.	Chemical Composition and Characterization of Skin Gelatin from Buffalo	2018	International Food Research Journal Vol. 25 No.3 Page 1095-1099. ISSN: 2231 754. http://www.ifrj.upm.edu.my
51.	Biosorption of Metals Ion on Methanol Dehydrogenase Activity Test of <i>Bradyrhizobium japonicum</i> USDA110 (N Kurniawati, A Pertiwiningrum, Y Erwanto, NA Fitriyanto, MZ Abidin)	2018	Proceeding of the 2nd International Conference on Tropical Agriculture, 179-184
52.	Molecular Based Method Using PCR Technology on Porcine Derivative Detection for Halal Authentication (Y Erwanto)	2018	Book Chapter in Genotyping, pp. 64-84, IntechOpen
53.	Development of Microbial Additives using <i>Bacillus cereus</i> TD5B to Reduce Ammonia Emission from Poultry Houses	2017	E-Proceedings 18th AAAP Congress 2018, 1-5 Aug. 2018, Kuching, Malaysia. pp. 94
54.	Identification and growth characters of nitrifying <i>pseudomonas</i> sp., LS3K isolated from odorous region of poultry farm (Fitriyanto, N.A., Winarti, A., Imara, F.A., Erwanto, Y., Hayakawa, T., Nakagawa, T.)	2017	Journal of Biological Sciences, 2017, 17(1), pp. 1-10
55.	Increasing of angiotensin converting enzyme inhibitory derived from Indonesian native chicken leg protein using <i>Bacillus cereus</i> protease enzyme (R Yuliatmo, NA Fitriyanto, Z Bachruddin, Y Erwanto)	2017	International Food Research Journal 24 (4):
56.	The Addition Effect of Fermented <i>Aegle marmelos</i> Fruit and Bamboo Shoots in Cattle Feces Slurry to the Reduction of Ammonia Gas Emission (NA Fitriyanto, RT Waluyo, Y Erwanto)	2017	Proceeding of the 1st International Conference on Tropical Agriculture, 401-410
57.	Shrimp Waste Fermentation by <i>Isoptricola</i> sp. Strain A10-1 as a Feed Ingredient for Improving Yield Carcass and Performance of Magelang Duck (A Prasetyo, LM Yusiati, Y Erwanto, NA Fitriyanto)	2017	Proceeding of the 1st International Conference on Tropical Agriculture, 345-352
58.	Aktivitas Antibakteri Asap Cair Tempurung Kenari (<i>Canarium Indicum</i> L.) (R Arizona, E Suryanto, Y Erwanto)	2017	Jurnal Hexagro 1 (2)

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
	The Properties Of Edible Film Derived From Bovine Split Hide Gelatin With Isolated Soy Protein Using Various Levels Of Glycerol In The Presence Of Transglutaminase (D Wulandari, Y Erwanto, Y Pranoto, R Rusman)	2017	Buletin Peternakan 41 (3), 319-327
59.	Komposisi Kimia dan Beberapa Sifat Fungsional Protein Paru Sapi yang Diekstraksi dengan Metode Alkali (KU Al Awwaly, S Triatmojo, WT Artama, Y Erwanto)	2017	Jurnal Ilmu dan Teknologi Hasil Ternak (JITEK) 10 (2), 54-62
60.	Characteristics of Alcaligenes sp. LS2T Heterotrophic and Aerobic Ammonium Removal for Potential Livestock's Wastewater Treatment (AR Azkarahman, Y Erwanto, W Hadisaputro, LM Yusiati, NA Fitriyanto)	2017	Proceeding of the 1st International Conference on Tropical Agriculture, 337-344
61.	Semi purification and identifications molecule protein weigh of alkaline protease enzyme from Bacillus cereus LS2B (Y Junaidi, A Pertiwiningrum, Y Erwanto, NA Fitriyanto)	2017	International Journal of Bio-Science and Bio-Technology 9 (3), 89-99
62.	Effect of varying levels of protein and energy in pre-stater feeds on pectoralis muscle development of Kampung Super Chicks (Gallus gallus gallus) (UE Puspita, RT Utomo, ABI Perdamaian, I Lesmana, H Arijuddin, Y Erwanto, BS Daryono, HTSG Saragih)	2017	Asian J. Anim. Vet. Adv 12, 31-37
63.	Komponen bioaktif dalam daging dan sifat fungsionalnya: sebuah kajian pustaka (KU Al Awwaly, S Triatmojo, Y Erwanto, WT Artama)	2017	Jurnal Ilmu dan Teknologi Hasil Ternak (JITEK) 10 (1), 22-34
64.	Biosorption of Metal Ions on Methanol Dehydrogenase Enzymatic Activity of Bradyrhizobium japonicum USDA110	2016	Buletin Peternakan Vol. 42 No. 2 Halaman 139-144. ISSN-0126-4400/E-ISSN-2407-876X. Doi: 10.21059/buletinpeternak.v42i2.26195. https://journal.ugm.ac.id/buletinpeternakan/article/view/26195/21056
65.	Direct Stimulation by Methanol Addition on the Cultured Medium for Methanol Dehydrogenase Protein Purification from Bradyrhizobium japonicum USDA110	2016	Buletin Peternakan Vol. 42 No. 3 Halaman 244-249. ISSN-0126-4400/E-ISSN-

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
			2407-876X. Doi: 10.21059/buletinpeternak.v42 i3.28155. https://journal.ugm.ac.id/buletinpeternakan/article/view/28155/21973
66.	Kualitas Fisik Gelatin Limbah Tulang Ayam yang Diekstrasi dengan Asam Klorida	2016	Prosiding Seminar Nasional Fakultas Pertanian. Fakultas Pertanian Universitas Veteran Bangun Nusantara. Halaman 107-115. http://jurnal.agrisaintifika-fpunivet.ac.id/
67.	Kirby-Bauer Test Ekstrak Peras Buah Maja Matang sebagai Inhibitor Urease dan Inhibitor Nitrifikasi pada Escherichia coli	2016	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
68.	Kualitas Kimia Sosis Ayam dengan Coating Edible Film dari Gelatin Limbah Tulang Ayam	2016	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. 248-252. ISBN: 978-979-1215-33-6
69.	Development of Prototype of Hard Capsule Shell Made from Goatskin Gelatin Using Simplex Lattice Design (SLD) as Optimization Method	2016	Buletin Peternakan Vol. 42 No. 4, hal. 327-333, 2018. ISSN-0126-4400/E-ISSN-2407-876X https://journal.ugm.ac.id/buletinpeternakan/article/view/32717/22956
70.	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)		Proceedings of The 17 th Asian-Australasian Association of Animal Production Societies Animal

No.	Judul Publikasi <i>Publication Title</i>	Tahun <i>Year</i>	Penerbit <i>Publisher</i>
			Science Congress, 22-25 August 2016, Fukuoka Japan
71.	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 th Asian-Australasian Association of Animal Production Societies Animal Science Congress, 22-25 August 2016, Fukuoka Japan
72.	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 st UGM International Conference on Tropical Agriculture (ICTA), 25-26 October, 2016. Yogyakarta, Indonesia
73.	The Effect of Lactic Acid Bacteria and Different Level of Carbohydrate Sources Addition on Tofu Waste Industry Fermentation (Penulis ke-1 dari 4)	2016	Proceedings of the 1 st UGM International Conference on Tropical Agriculture (ICTA), 25-26 October, 2016. Yogyakarta, Indonesia
74.	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)
75.	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
76.	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
77.	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. Biologi Penanganan Limbah Industri Peternakan
2. Pendidikan Agama Islam
3. Pengantar Bioteknologi
4. Teknologi Hasil Ikutan Ternak Dasar
5. Ilmu dan Teknologi Hasil Ikutan
6. Ilmu dan Teknologi Kulit
7. Keamanan Pangan Hasil Ternak

8. Teknologi Penanganan Limbah Peternakan Dasar
9. Pengendalian Mutu Hasil Ternak
10. Filsafat Ilmu
11. Pengolahan Hasil Ternak Tropis Mutakhir
12. Ilmu dan Indutri Kulit
13. Ilmu dan Teknologi Protein Hasil Ternak
14. Progres Ilmu Peternakan Terkini
15. Kapita Selekta I

Achievements/Awards

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