

## Staff Handbook

Name	<i>Prof. Ir. Yuny Erwanto, S.Pt., M.P., Ph.D., IPM.</i>		
Post	<i>Animal Products Safety and Security</i>		
Academic career	<i>Professional Engineering (IPU)</i>	<i>Universitas Gadjah Mada</i>	<i>2018</i>
	<i>Professor (Prof)</i>	<i>Universitas Gadjah Mada</i>	<i>2019</i>
	<i>Doctorate</i>	<i>Kagoshima University</i>	<i>2003</i>
	<i>Graduate degree</i>	<i>Universitas Gadjah Mada</i>	<i>1998</i>
	<i>Undergraduate degree</i>	<i>Universitas Gadjah Mada</i>	<i>1995</i>
Employment	<i>Professor</i>	<i>Universitas Gadjah Mada</i>	<i>2019-present</i>
	<i>Associate Professor</i>	<i>Universitas Gadjah Mada</i>	<i>2008-2019</i>
	<i>Assistant Professor</i>	<i>Universitas Gadjah Mada</i>	<i>2004-2008</i>
Research and development projects over the last 5 years	<p><i>Research projects:</i></p> <ol style="list-style-type: none"> <li>1. <i>Study of meat species adulteration detection on meat products based on Polymerase Chain Reaction Technology (2021)</i> <i>Source of funds: Final Project Recognition, UGM</i></li> <li>2. <i>Exploration of Peptide Bioactive Compounds from Indonesian Local Goat Skin and Bone Collagen Proteins as Anti-Hypertensive Agents (2020)</i> <i>Source of funds: Basic Research, PTNBH-Kemenristekdikti</i></li> <li>3. <i>Gelatin Production from Indonesian Local Goat Bones: Characterization and Functional Properties of Goat Bone Gelatin Enzymatic Process (2020)</i> <i>Source of funds: Final Project Recognition, UGM</i></li> <li>4. <i>Development of Mozzarella Cheese Using Kefir with the Addition of Gelatin Isolation, Characterization, and Study of Antioxidant Collagen from Indonesian Local Goat Skin for Health Products (2019)</i> <i>Source of funds: Final Project Recognition Program, UGM</i></li> <li>5. <i>Exploration of Peptide Bioactive Compounds from Indonesian Local Goat Skin and Bone Collagen Proteins as Anti-Hypertension Agents (2019)</i> <i>Source of funds: Basic Research, Ristekdikti</i></li> <li>6. <i>Investigation of Urease, Nitrification and Collagenase Inhibitor Compounds from Fresh Oil Palm Empty Fruit Bunches that are Beneficial for the Livestock Industry (2019)</i> <i>Source of funds: Thematic Research Grants for the Faculty of Animal Husbandry UGM</i></li> </ol>		

	<p>7. <i>Exploration of Peptide Bioactive Compounds from Indonesian Local Goat Skin and Bone Collagen Proteins as Anti-Hypertension Agents (2018)</i></p> <p>Source of funds: <i>Competency-Based Research (PBK), Ristekdikti</i></p> <p>8. <i>Optimization of the Collagen Isolation Process from Indonesian Local Goat Skin for Health Food Products (2018)</i></p> <p>Source of funds: <i>Masters Education Research to Doctorate for Superior Bachelors (PMDSU), Ristekdikti</i></p> <p>9. <i>Study of Microbial Protease Applications to Increase the Ability of Bioactive Peptides as Ace Inhibitors from Indonesian Local Ducks (2018)</i></p> <p>Source of funds: <i>Masters Education Research to Doctorate for Superior Bachelors (PMDSU), Ristekdikti</i></p> <p>10. <i>Effect of Addition of Agricultural Waste as a Source of Malate on Digestibility In Vitro (2018)</i></p> <p>Source of funds: <i>Postgraduate Grant, Faculty of Animal Science UGM</i></p> <p>11. <i>Effect of Garlic Addition on Chemical, Physical, Sensory Quality, Antioxidant Activity and Fatty Acid Profile of Chicken and Goat Doner Kebab (2018)</i></p> <p>Source of funds: <i>Postgraduate Grant, Faculty of Animal Science UGM</i></p> <p>12. <i>Natural Bioactives as Feed Additive for Animal Feed : Production and Extraction of Natural Bioactives as Feed Additive for Sheep Animal Feed (2017)</i></p> <p>Source of funds: <i>PUPT, DIKTI</i></p> <p>13. <i>Development of a Consortium of Microbial Agents for Bioremediation of Laying Chicken Livestock Waste as an Effort for Mitigation of Ammonia Pollution: Isolation and Identification of Nitrate Reducing Denitrification Microbes (Year II) (2017)</i></p> <p>Source of funds: <i>PUPT, DIKTI</i></p> <p>14. <i>Screening and Characterization of Keratinolytic Bacteria from Puffer Fish Skin Waste (2017)</i></p> <p>Source of funds: <i>PUPT, DIKTI</i></p> <p>15. <i>Utilization of Moist Ratio Based on Lactic Acid Bacterial Fermentation in Ruminant Livestock Development (2017)</i></p> <p>Source of funds: <i>PUPT, DIKTI</i></p>
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16. *Plant Secondary Metabolites as Feed Additives: Effect of Patchouli Essential Oil (Pogostemon cablin Benth.) in In Vitro Rumen Fermentation (2017)*

*Source of funds: Thematic Laboratory Faculty. UGM Farm*

17. *Effect of Addition of Cashew Seed Oil in Feed on Rumen Microbial Protein Synthesis and Nitrogen Balance in Bligon Goats (2017)*

*Source of funds: Postgraduate Grant from Faculty of Medicine. UGM Farm*

18. *The Effect of Differences in Age of Rubber Plants on Weed Fermentation Characteristics (2017)*

*Source of funds: Postgraduate Grant Fak. UGM Farm*

19. *Total Silage Concentrate Mix (STCK) Based by Food Industry Products: STCK Engineering and Its Application to the Performance of Goats, Mothers and Fattening of Bligon Goats (Chairman of 3 Researchers) (2016)*

*Source of funds: DIKTI (Competency Grant)*

20. *Role of Secondary Metabolites in Livestock: Effect of Supages: Feed supplementation with Nutmeg (Myristica fragans) Essential Oil as a Source of Antioxidants on Goat Meat Quality (Member of 7 Researchers) (2016)*

*Source of funds: Thematic Research Grant for Laboratory of the Faculty of Animal Husbandry UGM*

*Community service over the last 5 years:*

1. *KKN-PPM UGM Period 2-Development of a Food Distribution System Based on Brotherly Relationships in Rural-City Through Online Technology in Gulon Village, Salam District, Magelang Regency (2020)*

*Source of funds: DPKM UGM*

2. *Design of Appropriate Technology for Animal Husbandry Waste Treatment in UPT Dairy UGM (2020)*

*Source of funds: Thematic Grant for Laboratory Service Faculty of Animal Science UGM*

3. *Intensification of Livestock Waste Treatment Products Integrated Technical Implementation Unit (UPT) Faculty of Animal Husbandry Universitas Gadjah Mada Through Completion of Handling and Processing Systems (2019)*

	<p><i>Source of funds: Faculty of Animal Husbandry Universitas Gadjah Mada</i></p> <p>4. <i>Application of the Mendo Makmur Farmer Group's Integrated Livestock System in the Sleman Region, Yogyakarta (2019)</i></p> <p><i>Source of funds: Faculty of Animal Science, Gadjah Mada University</i></p> <p>5. <i>Application of Maja Fruit Biofermentation in the Treatment of Chicken Livestock Waste in Banjar Arum Village, Kalibawang District, Kulonprogo Regency (2018)</i></p> <p><i>Source of funds: Thematic Service Grants for the Faculty of Animal Husbandry UGM</i></p> <p>6. <i>Integrated Farming "Waste treatment". Free Lecture Materials For You Our Breeders Serve (2018)</i></p> <p><i>Source of funds: Faculty of Animal Science UGM</i></p> <p>7. <i>Development of Environmentally Friendly Livestock Using Feed Supplement Technology Based on Natural Bioactive Tropical Plants in the Ayo Angon Cattle Group, Buyutan Hamlet, Ngalang Village, Gedangsari District, Gunung Kidul Regency (2017)</i></p> <p><i>Source of funds: Thematic Grant for Laboratory Service Faculty of Animal Science UGM</i></p> <p>8. <i>The Amazing Livestock Microbes (2020)</i></p> <p><i>Source of funds: Faculty of Animal Science UGM</i></p> <p>9. <i>Resource Person for Livestock Chat with the theme "Poultry Industry Overview-Feed Technology to Improve Poultry Gastrointestinal Performance" (2020)</i></p> <p><i>Source of funds: Faculty of Animal Science UGM</i></p> <p>10. <i>The Prospect of Fat Bypass in Animal Production (2020)</i></p> <p><i>Source of funds: Faculty of Animal Science UGM</i></p> <p>11. <i>Empowerment of Livestock Farmers through Plasma Core Institutions: Demonstration of Fattening Sheep and Forage Animal Feed in Summersari Village, Moyudan District, Sleman Regency (2019)</i></p> <p><i>Source of funds: Faculty of Animal Husbandry UGM</i></p> <p>12. <i>PKM at Banyusoco Playen Gunung Kidul (2019)</i></p> <p><i>Source of funds: Ristekdikti</i></p> <p>13. <i>Extension on Total Mixture Ration (TMR) Based on Fermentation and Institutional Empowerment of Livestock Plasma-Core (2019)</i></p>
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	<p><i>Source of funds: Faculty of Animal Husbandry Universitas Gadjah Mada</i></p> <p>14. <i>Free Lecture Speaker: Farmers, We Serve "Quality Animal Feed" (2019)</i></p> <p><i>Source of funds: Faculty of Animal Science UGM</i></p> <p>15. <i>Natural Methane Reducing (NMR)-Based Livestock Group PKM in Banyusoco Village, Playen District, Gunung Kidul Regency (2018)</i></p> <p><i>Source of funds: Community Service Grants for Development of Fostered Villages, Gadjah Mada University</i></p> <p>16. <i>Application of Super Block fermented protein as a feed supplement to improve the performance of dairy cows in the Smesta Cooperative (Merapi Sejahtera Cow) (2018)</i></p> <p><i>Source of funds: Grant TTG, Ristekdikti</i></p> <p>17. <i>Application of Forage Fermentation Technology as a Solution for Fulfilling Animal Feed Needs in Peri-Urban Areas at Irsyadul Anam Islamic Boarding School, Kiyudan, Selomartani, Kalasan, Sleman, Yogyakarta (2018)</i></p> <p><i>Source of funds: Thematic Service Grants for Laboratory of the Faculty of Animal Husbandry UGM</i></p> <p>18. <i>Cut Poultry Feed and Various Feed Ingredients in Quality Livestock Ration. Free Lecture Materials For You Our Farmers Serve (2018)</i></p> <p><i>Source of funds: Faculty of Animal Science UGM</i></p> <p>19. <i>Plot Demonstration of Marriage Management and Feed Engineering on Ruminant Cattle to Produce Healthy and Twins in Duwet Rejo Karang Tengah Village Gunung Kidul (2017)</i></p> <p><i>Source of funds: TTG, BOPTN</i></p> <p>20. <i>Introduction of Forage Preservation Methods with Application of Fermentation Technology Based on Local Feed Sources to the Ruminant Livestock Group Association of Triharjo Village, Pandak, Bantul (2016)</i></p> <p><i>Source of funds: Thematic Grants for the Faculty of Animal Husbandry</i></p> <p>21. <i>The Importance of Milk Replacer Based on Herbal Medicine and Fermentation BAL Superior Milk Powder for Twin Cempe (2016)</i></p> <p><i>Source of funds: Service Grants for Postgraduate Program Faculty of Animal Science UGM</i></p>
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	<p>22. <i>Socialization of the Importance of Natural Bioactive-Based Milk Replacer and BAL Fermented Milk for Twin Sheep (2016)</i></p> <p>Source of funds: IbM (Science and Technology for the Community), DIKTI</p> <p>23. <i>Integrated Local Potential-Based Community Empowerment for Food Independent, Energy Independent, and Prosperous Productive Communities in Kerek, Jenu, and Merakurak Districts, Tuban Regency, East Java (2016)</i></p> <p>Source of funds: BPPTNBH (BH PTN Funding Assistance)</p> <p>24. <i>Open House "The World of Animal Feed" at the service activity "To You Our Farmers Are Devoted" (21 September 2016) (2016)</i></p> <p>Source of funds: BI, PT SANTORI</p>
Industry collaborations over the last 5 years	-
Patents and proprietary rights	<i>Collagen from Kacang goat leather (simple patent)</i> 2019
Important publications over the last 5 years	<p><i>Total number of publications: 78</i></p> <ol style="list-style-type: none"> <li><i>Peculiar growth of Pseudomonas sp. LS3K with the addition of untreated tannery wastewater (Fitriyanto, N.A., Nursyahbani, W.K., Prasetyo, R.A., Abidin, M.Z., <b>Erwanto, Y.</b>, Kurniawati, N.) (2021)</i></li> <p><i>Publisher: IOP Conference Series: Earth and Environmental Science, 2021, 712(1), 012004</i></p> <li><i>Properties of rabbit feces composting using indigenous Alcaligenes sp. LS2T and Arthrobacter sp. LM1KK (Fitriyanto, N.A., Natalia, D., Prasetyo, R.A., <b>Erwanto, Y.</b>, Panjono,, Ngadiono, N.) (2021)</i></li> <p><i>Publisher: IOP Conference Series: Earth and Environmental Science, 2021, 662(1), 012014</i></p> <li><i>Survival ability of Bacillus cereus LS2B in the presence of tannery wastewater (Fitriyanto, N.A., Azhar, I., Prasetyo, R.A., Abidin, M.Z., <b>Erwanto, Y.</b>, Kurniawati, N., Pertiwinigrum, A.) (2021)</i></li> <p><i>Publisher: IOP Conference Series: Earth and Environmental Science, 2021, 667(1), 012035</i></p> <li><i>Total ammonia and N2O emission characteristics from Alcaligenes sp. LS2T cultures and its application on laying hen manure associated with different pH conditions (Azkarahman, A.R., <b>Erwanto, Y.</b>, Yusiati, L.M., Widodo, W., Fitriyanto, N.A.)</i></li> </ol>

(2021)

*Publisher: 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)*

*Publisher: Veterinary World, 2021, 14(1), pp. 161–167*

6. *Characteristics and Antioxidant of Goat Skin Gelatin as an for Lactobacillus plantarum 1UHCC Pretreatment and Acetic Acid (H HASMA, E ABUSTAM, R MALAKA, MI SAID, **Y ERWANTO**) (2021)*

*Publisher: 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)*

*Publisher: 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)*

*Publisher: 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)*

*Publisher: Indonesian Journal of chemistry Vol. 20(2), 2020: 483-492*

10. *The viability of probiotic Lactobacillus acidophilus IFO 13951 and Bifidobacterium longum ATCC 15707 in gummy candies decreased during 4 weeks of storage (2020)*

*Publisher: Food Research Vol. 4(4), 2020: 1191-1195*

11. *Qualitative and quantitative analysis of canine (canis lupus familiaris) meat in meatballs for halal authentication study using real-time polymerase chain reaction (2020)*

*Publisher: International Journal of Agriculture & Biology Volume 23 (1), 2020: 103-108*

12. *Maja Fruit Extracts Inhibit Escherichia coli, Reduce Fly Larvae*

	<p><i>Population, and Ammonia Emission of Chicken Excreta (2020)</i></p> <p><i>Publisher: Tropical Animal Science Journal, Volume 43(4), 2020: 369-376</i></p> <p>13. <i>Review on analytical methods for analysis of porcine gelatine in food and pharmaceutical products for halal authentication (Rohman, A., Windarsih, A., <b>Erwanto, Y.</b>, Zakaria, Z.) (2020)</i></p> <p><i>Publisher: Trends in Food Science and Technology, 2020, 101, pp. 122–132</i></p> <p>14. <i>Ekstraksi Dan Karakterisasi Gelatin Tulang Kambing Kacang Menggunakan Neutrase (DN Matulesy, <b>Y Erwanto</b>, N Nurliani, E Suryanto) (2020)</i></p> <p><i>Publisher: Agrinimal Jurnal Ilmu Ternak dan Tanaman 8 (1), 24-32</i></p> <p>15. <i>Quality of Chicken Sausage Coated by Transglutaminase-Crosslinked Bovine Split Hide Gelatin and Soy Protein Isolate Edible Film During Chilled Storage (D Wulandari, <b>Y Erwanto</b>, Y Pranoto, R Rusman, S Sugiyanto) (2020)</i></p> <p><i>Publisher: Jurnal Ilmu dan Teknologi Hasil Ternak (JITEK) 15 (3), 142-151</i></p> <p>16. <i>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., <b>Erwanto, Y.</b>, Bachruddin, Z., Muhlisin,, Wihandoyo) (2020)</i></p> <p><i>Publisher: IOP Conference Series: Earth and Environmental Science, 2020, 465(1), 012006</i></p> <p>17. <i>The Effect of Fresh and Hay Alfalfa (Medicago sativa L.) Supplementation on Carcass Quality of Hybrid Duck (Suwignyo, B., Suryanto, E., Sasongko, H., <b>Erwanto, Y.</b>, Rini, E.A.) (2020)</i></p> <p><i>Publisher: IOP Conference Series: Earth and Environmental Science, 2020, 478(1), 012024</i></p> <p>18. <i>Biodegradation raw trimming waste from goat's skin tannery by enzymatic method (Pratiwi, A., Hakim, T.R., Fitriyanto, N.A., Abidin, M.Z., <b>Erwanto, Y.</b>) (2020)</i></p> <p><i>Publisher: IOP Conference Series: Earth and Environmental Science, 2020, 483(1), 012015</i></p> <p>19. <i>Cleaner sheep leather tanning process using uncaria gambir: The influence of rebating on leather properties (Griyanitasari, G., Rahmawati, D., Sugihartono,, <b>Erwanto, Y.</b>) (2020)</i></p>
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	<p><i>Publisher: Journal of Physics: Conference Series, 2020, 1524(1), 012011</i></p> <p>20. <i>Isolation and characterization of collagen from local goat bone using pepsin hydrolysis (2020)</i></p> <p><i>Publisher: IOP Conf. Series: Earth and Environmental Science 492 (2020) 012083. ISSN: 1755-1307</i></p> <p>21. <i>Characterization and growth profile of proteolytic strain PK-4 isolated from local slaughterhouse wastewater (2020)</i></p> <p><i>Publisher: The 3rd International Conference on Bioinformatics, Biotechnology, and Biomedical Engineering (BioMIC 2020), 7-8 October 2020. ISSN: 2117-4458</i></p> <p>22. <i>The Potential Utilization of Jawa Super Chicken Egg as People Food Security in Ngoro-Oro Village, Gunungkidul, During Covid-19 Pandemic (2020)</i></p> <p><i>Publisher: Programme Book The 2nd International Conference on Community Engagement and Education for Sustainable Development (ICCEESD) 2020. Yogyakarta 24-25 November 2020, page: 64-65</i></p> <p>23. <i>Effect of Bay Leaf Infusion on Microbiological, Chemical and Physical Quality of Chicken Meat (2020)</i></p> <p><i>Publisher: Buletin Peternakan Vol 44 (3):92-97, Agustus 2020</i></p> <p>24. <i>The Substitution Effects of Tapioca Starch and Beetroot Powder as Filler on the Physical and Sensory Characteristics of Chicken Sausage (2020)</i></p> <p><i>Publisher: Jurnal Ilmu dan Teknologi Hasil Ternak, July 2020 Vol. 15 No. 2 : 97-107</i></p> <p>25. <i>Perbandingan Metode Isolasi pada Deteksi Kulit Sapi, Kerbau, Kambing, dan Babi sebagai Bahan Baku Rambak Kulit (2020)</i></p> <p><i>Publisher: Jurnal Triton, Volume 11 Nomor 1, 2020: 37-44</i></p> <p>26. <i>Identification of Goat Skin and Pig Skin as the Raw Material of Rambak Using PCR-RFLP Method (2020)</i></p> <p><i>Publisher: Jurnal Sain Peternakan Indonesia, Volume 15(4), 2020: 420-425</i></p> <p>27. <i>The employment of q-PCR using specific primer targeting on mitochondrial cytochrome-b gene for identification of wild boar meat in meatball samples (2019)</i></p> <p><i>Publisher: Journal of Advanced Veterinary and Animal Research 6(3), pp. 300-307 eISSN 2311-7710 Published online: July 06,</i></p>
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2019

28. *Differentiation of bovine and porcine gelatines using lc-ms/ms and chemometrics* (2019)

*Publisher: 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)

*Publisher: AIP Conference Proceedings 2099,020006*

30. *The effect of alfalfa (Medicago sativa L.) supplementation on hybrid duck performance (Rini, E.A., Suwignyo, B., Suryanto, E., **Erwanto, Y.**, Sasongko, H.)* (2019)

*Publisher: 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)

*Publisher: Ahmad Dahlan International Conference Series on Pharmacy and Health Science (ADICS-PHS 2019), 4-9*

32. *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)

*Publisher: 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)

*Publisher: 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 Equb Ali)*

(2019)

*Publisher: Food Additives & Contaminants: Part A 36 (4), 493-506*

35. *Hydrolyzation of duck meat protein using Bacillus cereus 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)

Publisher: *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)

Publisher: *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)

Publisher: *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)

Publisher: *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)

Publisher: *IOP Conference Series: Earth and Environmental Science*, 2019, 334(1), 012049

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)

Publisher: *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)

*Publisher: 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)

*Publisher: 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)

*Publisher: 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)

*Publisher: 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, Pertiwinigrum, A., Rohman, A., Fitriyanto, N.A., **Erwanto, Y.**) (2018)

*Publisher: 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)

*Publisher: International Food Research Journal*, 2018, 25(3), pp. 1095–1099

48. *Optimizing of Protease Purification from *Bacillus cereus* TD5B by Ammonium Sulfate Precipitation* (2018)

*Publisher: 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>.

49. *Purification by Ion Exchange Chromatography and Enzyme*

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

Publisher: *Proceeding of the 1st International Conference on Tropical Agriculture*, 345-352

58. *Aktivitas Antibakteri Asap Cair Tempurung Kenari (Canarium Indicum L.)* (R Arizona, E Suryanto, **Y Erwanto**) (2017)

Publisher: *Jurnal Hexagro* 1 (2)

59. *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)

Publisher: *Buletin Peternakan* 41 (3), 319-327

60. *Komposisi Kimia dan Beberapa Sifat Fungsional Protein Paru Sapi yang Diekstraksi dengan Metode Alkali* (KU Al Awwaly, S Triatmojo, WT Artama, **Y Erwanto**) (2017)

Publisher: *Jurnal Ilmu dan Teknologi Hasil Ternak (JITEK)* 10 (2), 54-62

61. *Characteristics of Alcaligenes sp. LS2T Heterotrophic and Aerobic Ammonium Removal for Potential Livestock's Wastewater Treatment* (AR Azkariahman, **Y Erwanto**, W Hadisaputro, LM Yusiati, NA Fitriyanto) (2017)

Publisher: *Proceeding of the 1st International Conference on Tropical Agriculture*, 337-344

62. *Semi purification and identifications molecule protein weigh of alkaline protease enzyme from Bacillus cereus LS2B* (Y Junaidi, A Pertiwinigrum, **Y Erwanto**, NA Fitriyanto) (2017)

Publisher: *International Journal of Bio-Science and Bio-Technology* 9 (3), 89-99

63. *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)

Publisher: *Asian J. Anim. Vet. Adv* 12, 31-37

64. *Komponen bioaktif dalam daging dan sifat fungsionalnya: sebuah kajian pustaka* (KU Al Awwaly, S Triatmojo, **Y Erwanto**, WT Artama) (2017)

Publisher: *Jurnal Ilmu dan Teknologi Hasil Ternak (JITEK)* 10 (1), 22-34

65. *Biosorption of Metal Ions on Methanol Dehydrogenase Enzymatic Activity of Bradyrhizobium japonicum USDA110* (2016)

*Publisher: 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>.*

66. *Direct Stimulation by Methanol Addition on the Cultured Medium for Methanol Dehydrogenase Protein Purification from Bradyrhizobium japonicum USDA110* (2016)

*Publisher: Buletin Peternakan Vol. 42 No. 3 Halaman 244-249.*

*ISSN-0126-4400/E-ISSN-2407-876X.Doi:*

*10.21059/buletinpeternak.v42i3.28155.*

*<https://journal.ugm.ac.id/buletinpeternakan/article/view/28155/21973>.*

67. *Kualitas Fisik Gelatin Limbah Tulang Ayam yang Diekstraksi dengan Asam Klorida* (2016)

*Publisher: Prosiding Seminar Nasional Fakultas Pertanian.*

*Fakultas Pertanian Universitas Veteran Bangun Nusantara.*

*Halaman 107-115. <http://jurnal.agrisaintifika-fpunivet.ac.id/>.*

68. *Kirby-Bauer Test Ekstrak Peras Buah Maja Matang sebagai Inhibitor Urease dan Inhibitor Nitrifikasi pada Escherichia coli* (2016)

*Publisher: Prosiding Simposium Nasional Penelitian dan*

*Pengembangan Peternakan Tropik 2018 "Inovasi Teknologi*

*Peternakan Menyongsong Era Industri 4.0" Fakultas Peternakan*

*Universitas Gadjah Mada, Yogyakarta, 5 November 2018. Hal.*

*243-247. ISBN: 978-979-1215-33-6*

69. *Kualitas Kimia Sosis Ayam dengan Coating Edible Film dari Gelatin Limbah Tulang Ayam* (2016)

*Publisher: Prosiding Simposium Nasional Penelitian dan*

*Pengembangan Peternakan Tropik 2018 "Inovasi Teknologi*

*Peternakan Menyongsong Era Industri 4.0". Fakultas Peternakan*

*Universitas Gadjah Mada, Yogyakarta, 5 November 2018. Hal.*

*248-252. ISBN: 978-979-1215-33-6*

70. *Development of Prototype of Hard Capsule Shell Made from Goatskin Gelatin Using Simplex Lattice Design (SLD) as Optimization Method* (2016)

*Publisher: Buletin Peternakan Vol. 42 No. 4, hal. 327-333,*

2018.ISSN-0126-4400/E-ISSN-2407-876X

<https://journal.ugm.ac.id/buletinpeterernakan/article/view/32717/22956>.

71. *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)*

*Publisher: Proceedings of The 17th Asian-Australasian Association of Animal Production Societies Animal Science Congress, 22-25 August 2016, Fukuoka Japan*

72. *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)*

*Publisher: Proceedings of The 17th Asian-Australasian Association of Animal Production Societies Animal Science Congress, 22-25 August 2016, Fukuoka Japan*

73. *The Effect of Level Vitamin E Addition in the Diet on Blood Profile of Bligon Goat (Penulis ke-3 dari 4) (2016)*

*Publisher: Proceedings of the 1st UGM International Conference on Tropical Agriculture (ICTA), 25-26 October, 2016. Yogyakarta, Indonesia*

74. *The Effect of Lactic Acid Bacteria and Different Level of Carbohydrate Sources Addition on Tofu Waste Industry Fermentation (Penulis ke-1 dari 4) (2016)*

*Publisher: Proceedings of the 1st UGM International Conference on Tropical Agriculture (ICTA), 25-26 October, 2016. Yogyakarta, Indonesia*

75. *Effect of White Rot Fungi to Enzimatic Activity and Lignin on Fermentation Process of Cocoa Pod (Penulis ke-2 dari 4) (2016)*

*Publisher: Journal of Biology, Agriculture and Healthcare, Vol. 6 No. 4 (2016): 47-50 ISSN: 2224-3208 (paper), 2225-093X (online)*

76. *Feeding Strategy of Ruminants and Its Potential Effect on Methane Emission Reduction (Penulis ke-5 dari 5) (2016)*

*Publisher: Journal of Agricultural Science; Vol. 8, No. 9; 2016. pages: 199-204. ISSN: 1916-9752 E-ISSN 1916-9760*

77. *Isolation and Selection of Local Lactic Acid Bacteria as Probiotic Candidate (Penulis Tunggal) (2016)*

*Publisher: 5th Asian Federation of Societies for Lactic Acid Bacteria (AFSLAB) International Symposium 2016 "Future Prospects of Lactic Acid Bacteria: Research and Application",*



	<p><i>Taiwan, 2016</i></p> <p><i>78. Pengaruh Inokulasi Lactobacillus plantarum dan Saccharomyces cerevisiae terhadap Fermentasi dan Kecernaan In Vitro Silase Kulit Buah Kakao (Penulis ke-3 dari 3) (2016)</i></p> <p><i>Publisher: Buletin Peternakan Vol. 40 No. 2 (2016): 124-132. ISSN: 0126-4400</i></p>
<p>Activities in specialist bodies over the last 5 years</p>	<p>-</p>