

Staff Handbook

Name	<i>Ir. Nanung Agus Fitriyanto, S. Pt., M. Sc., Ph. D., IPM.</i>		
Post	<i>Animal Products Technology</i>		
Academic career	<i>Professional Engineering (Ir., IPM)</i>	<i>Universitas Gadjah Mada</i>	<i>2018</i>
	<i>Doctorate (Agriculture Science)</i>	<i>Gifu University Japan</i>	<i>2011</i>
	<i>Graduate degree (Agriculture)</i>	<i>Gifu University Japan</i>	<i>2008</i>
	<i>Undergraduate degree (Animal Products Technology)</i>	<i>Universitas Gadjah Mada</i>	<i>2001</i>
Employment	<i>Associate Professor</i>	<i>Universitas Gadjah Mada</i>	<i>2017 – present</i>
	<i>Assistant Professor</i>	<i>Universitas Gadjah Mada</i>	<i>2013-2017</i>
Research and development projects over the last 5 years	<p><i>Research projects:</i></p> <ol style="list-style-type: none"> <i>1. The Chemistry, Biology, and Microbiology properties of Organic Fertilizer made of Consortium of Bacillus sp. LS2B and Pseudomonas sp. LS3K as a Starter (2021)</i> <i>Resource of funds: Faculty of Animal Science UGM</i> <i>2. Isolation and Potential observation of Bacterial Isolated from Activated Slaughterhouse Chicken Slaughterhouse as Ammonia Oxidizing Agent (2021)</i> <i>Resource of funds: postgraduate study program</i> <i>3. Development of Storage Devices to Improve Ease of Handling and Transportation in Rural Areas (2020)</i> <i>Resource of funds: PTUPT, PTNBH-Kemenristekdikti</i> <i>4. The Potential of Fortified Biogas Sludge from Milk and Egg Shell Waste as a Mushroom Growing Media and Their Waste Products as Biochar (2020)</i> <i>Resource of funds: Master Thesis Research, PTNBH-Kemenristekdikti</i> <i>5. Biological Handling of Tanning Industry Liquid Waste by Utilizing Aerobic Nitrifying and Denitrifying Bacteria as Bio-Remediation Agents (2020)</i> <i>Resource of funds: PDUPT, PTNBH-Kemenristekdikti</i> <i>6. Utilization of Isolates and a Consortium of Local Aerobic Nitrification and Denitrification Bacteria in an Effort to Realize an Environmentally Friendly Handling of Liquid Waste from the Leather Tanning Industry (2020)</i> <i>Resource of funds: Final Project Recognition, UGM</i> 		

	<p>7. <i>Optimization and Biodegradation of Poultry Feather Waste with Keratinase Extracellular Enzymes from Indigenous Indonesian Strains (2020)</i></p> <p><i>Resource of funds: Thematic Grants for Laboratory of the Faculty of Animal Science UGM</i></p> <p>8. <i>Marmelosin on Maja Fruit (Aegle marmelos) as a Mitigation Effort for Ammonia and Flies Pollution on Layers of Excreta in the Tropical Region (2019)</i></p> <p><i>Resource of funds: Basic Research Leading Higher Education, Ristekdikti</i></p> <p>9. <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></p> <p><i>Resource of funds: Thematic Research Grant for the Faculty of Animal Science UGM</i></p> <p>10. <i>Handling of Liquid Waste from the Leather Tanning Industry in Bantul Regency with a Combination of Physical, Chemical, and Microbiological Treatment (2019)</i></p> <p><i>Resource of funds: Postgraduate Grants from the Faculty of Animal Science UGM</i></p> <p>11. <i>Development of Storage Devices to Improve Ease of Handling and Transportation in Rural Areas (2018)</i></p> <p><i>Resource of funds: Leading Higher Education Applied Research (PTUPT), Ristekdikti</i></p> <p>12. <i>Study on the Potential of Marmelosin Bioactive Compounds in Maja Fruit (Aegle Marmelos) as an Effort for Mitigation of Ammonia and Flies Pollution in Layers of Laying Hens Excreta in the Tropics (2018)</i></p> <p><i>Resource of funds: Basic Research for Higher Education (PDUPT), Ristekdikti</i></p> <p>13. <i>Study on Microbial Protease Applications to Increase the Ability of Bioactive Peptides as Ace Inhibitors from Indonesian Local Ducks (2018)</i></p> <p><i>Resource of funds: Masters Education Research towards Doctorate for Superior Bachelors (PMDSU), Ristekdikti</i></p> <p>14. <i>Parent Performance and Manure Production of Rex Rabbits Given Additional Feed in the Form of Green Bean Sprouts (2018)</i></p> <p><i>Resource of funds: Thematic Laboratory Grant, Faculty of Animal Science UGM</i></p> <p>15. <i>Maribaya Pasture Development as a Jabres Cattle Development</i></p>
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	<p><i>Center in Brebes, Central Java (Member) (2017)</i></p> <p><i>Resource of funds: PUPT, DIKTI</i></p> <p>16. <i>Development of a Microbial Consortium of Bioremediation Agents for Laying Chicken Farm Waste as an Effort for Mitigation of Ammonia Pollution: Isolation and Identification of Nitrate Reducing Denitrification Microbes (Year II) (Chairman) (2017)</i></p> <p><i>Resource of funds: PUPT, DIKTI</i></p> <p>17. <i>Study of Microbial Protease Application to Increase the Ability of Bioactive Peptides as Ace Inhibitors from Indonesian Local Ducks (Member of 4 Researchers) (2017)</i></p> <p><i>Resource of funds: PMDSU</i></p> <p>18. <i>Screening and Characterization of Keratinolytic Bacteria from Puffer Fish Skin Waste (Member) (2017)</i></p> <p><i>Resource of funds: Ministry of Industry RI</i></p> <p>19. <i>Utilization of Chicken Excreta Sludge and Cow Manure Sludge as Bran Substitution for White Oyster Mushroom (Pleurotus florida) Planting Media (Member) (2017)</i></p> <p><i>Resource of funds: Thematic Laboratory of the Faculty of Animal Science UGM</i></p> <p>20. <i>Potential of Marmelosin Bioactive Compounds as Ammonia and Flies Handling in Laying Chicken Excreta in the Tropics (Chairman) (2017) Postgraduate Grant Faculty of Animal Science UGM</i></p> <p>21. <i>Development of a Consortium of Microbial Agents for Laying Chicken Farm Waste Bioremediation Agents as an Effort for Mitigation of Ammonia Pollution: Isolation and Identification of Nitrate Reducing Denitrification Microbes (Sole Researcher) (2016)</i></p> <p><i>Resource of funds: UPT</i></p> <p>22. <i>Optimization of Collagen Isolation Process from Indonesian Local Goat Skin for Health Food Products (Member of 4 Researchers) (2016)</i></p> <p><i>Resource of funds: PMDSU</i></p> <p>23. <i>Microbial Protease Application Study to Increase the Ability of Bioactive Peptides as Ace Inhibitors from Indonesian Local Ducks (Member of 4 Researchers) (2016)</i></p> <p><i>Resource of funds: MDSU</i></p> <p>24. <i>Study of Bioactive Peptides from Protein Byproducts of Poultry Slaughter as Antihypertensive Agent (Member of 3 Researchers) (2016)</i></p>
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Resource of funds: FUNDAMENTALS OF DIKTI

25. Eggshell Powder as Biomaterial for Bacteria in Composting and Gas Production (Member of 5 Researchers) (2016)

Resource of funds: Laboratory Thematic Grant, Faculty of Animal Science UGM

Community service over the last 5 years:

1. As a reviewer for UGM Community Services Program (2021)

Resources of funds: UGM

2. Intensification of Livestock Waste Products at Integrated Technical Implementation Unit (UPT) Faculty of Animal Science Universitas Gadjah Mada through Improving the Handling System

Resources of funds: Faculty of Animal Science UGM

3. Resource Person for Web Seminar (WEBINAR) "The Process of Community Service in the New Normal Era and Strategy for Development and Writing Service Proposals" (2020)

Resource of funds: UGM

4. Design of Appropriate Technology for Animal Science Waste Treatment in UPT Dairy UGM (2020)

Resource of funds Thematic Grant for Laboratory Service Faculty of Animal Science UGM

5. Utilization of Slurry Biogas Waste for Organic Vegetable Fertilizer at Sri Lumintu Farmers Group, Samiran Village, Selo District. Boyolali Regency, Central Java (2019)

Resource of funds: Directorate of Community Service UGM

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

Resource of funds: Faculty of Animal Science Universitas Gadjah Mada

7. Empowerment of Dairy Cattle Farmers through the Implementation of Integrated Farming at the Annual Village Cattle Group of Pacitan Regency (2019)

Resource of funds: Faculty of Animal Science Universitas Gadjah Mada

8. Application of Maja Fruit Biofermentation in the Treatment of Chicken Livestock Waste in Banjar Arum Village, Kalibawang District, Kulonprogo Regency (2018)

	<p><i>Resource of funds: Thematic Service Grants for the Faculty of Animal Science UGM</i></p> <p>9. <i>Optimization of Organic Fertilizer Processing from Livestock Manure (2017)</i></p> <p><i>Resource of funds: Plantation Forestry Office of DIY Province</i></p> <p>10. <i>Handling of Odor Waste from Chicken Farming (2017)</i></p> <p><i>Resource of funds: Department of Animal Science and Fisheries, Magelang Regency</i></p> <p>11. <i>Integrated Farming "Waste Management" (Free Lecture "For You Our Farmers Serve") (2017)</i></p> <p><i>Resource of funds: Non-Binding Funds</i></p> <p>12. <i>Bio-Fermentation Technology with Local Raw Materials as Deodorizing Agent for Cattle Cages and Its Application in the Composting Process (2017)</i></p> <p><i>Resource of funds: Thematic Grant of the Faculty of Laboratories. UGM Farm</i></p> <p>13. <i>Integrated Cattle Farming Business Assistance at the Kalimasodo Cattle Cage Cattle Group, Karang Dukuh Village, Jogonalan, Klaten (2017)</i></p> <p><i>Resource of funds: Postgraduate Grant Faculty of Animal Science UGM</i></p> <p>14. <i>Bio-Fermentation Technology with Local Raw Materials as Deodorizing Agent for Cattle Cage and Its Application in the Composting Process (2017)</i></p> <p><i>Resource of funds: Postgraduate Grant Faculty of Animal Science UGM</i></p> <p>15. <i>Development of Local Microbial Starters for Animal Science Waste Treatment in Andini Gotro's Livestock Group, Bathang Hamlet, Tambakrejo Village, Tempel District, Sleman Regency (2016)</i></p> <p><i>Resource of funds: Thematic Grants for the Faculty of Animal Science</i></p> <p>16. <i>Transfer of Biostarter Technology for Waste Treatment in Chicken Farm in Banjar Arum Village, Kalibawang District, Kulonprogo (2016)</i></p> <p><i>Resource of funds: Service Grant for Postgraduate Program Faculty of Animal Science UGM</i></p> <p>17. <i>Development of Organic Food Agroindustry through Integrated Cattle Farming Business at the Kalimasodo Cage Cattle Group, Karang Dukuh Village, Jogonalan, Klaten (2016)</i></p>
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	<p><i>Resource of funds: Service Grants for Postgraduate Program Faculty of Animal Science UGM</i></p> <p>18. <i>Counseling on the Utilization of PE Goat Manure for Composting and Liquid Fertilizer at the Akursari Cattle Group, Tegalsari Hamlet, Ngargosari Village, Samigaluh District, Kulon Progo Regency (2016)</i></p> <p><i>Resource of funds: Faculty of Animal Science UGM</i></p> <p>19. <i>Counseling on Feed Preservation, Feed Burgers and the Practice of Making Feed Burgers and Liquid Fertilizer from PE Goat Manure at the Akursari Cattle Group, Tegalsari Hamlet, Ngargosari Village, Samigaluh District, Kulon Progo Regency (2016)</i></p> <p><i>Resource of funds: Faculty of Animal Science UGM</i></p> <p>20. <i>Provision of Clean Water and Sanitation (2016)</i></p> <p><i>Resource of funds: BPPTNBH (BH PTN Funding Assistance)</i></p> <p>21. <i>Wonosadi Tahura Tourism Village Development (2016)</i></p> <p><i>Resource of funds: PPTNBH (BH PTN Funding Assistance)</i></p>
Industry collaborations over the last 5 years	-
Patents and proprietary rights	<p>1. <i>Patent for Tanning process of puffer fish skin</i> 2021</p>
Important publications over the last 5 years	<p><i>Total number of publications: 57</i></p> <p>1. <i>Production of poultry feather hydrolysate using HCl and NaOH as a growth medium substrate for indigenous strains (N A Fitriyanto, Y Ramadhanti, Rismiyati, I Rusyadi, A Pertiwiningrum, R A Prasetyo and Y Erwanto) (2022)</i></p> <p><i>Published: IOP Conference Series: Earth and Environmental Science, Volume 951, 3rd International Conference on Agriculture and Bio-industry (ICAGRI 2021) 13th-14th October 2021, Banda Aceh, Indonesia. IOP Conf. Ser.: Earth Environ. Sci. 951 012064</i></p> <p>2. <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., Erwanto, Y., Kurniawati, N.) (2021)</i></p> <p><i>Publisher: IOP Conference Series: Earth and Environmental Science, 2021, 712(1), 012004</i></p> <p>3. <i>Properties of rabbit feces composting using indigenous Alcaligenes sp. LS2T and Arthrobacter sp. LM1KK (Fitriyanto, N.A., Natalia, D., Prasetyo, R.A., Erwanto, Y., Panjono,, Ngadiono, N.) (2021)</i></p> <p><i>Publisher: IOP Conference Series: Earth and Environmental Science, 2021, 662(1), 012014</i></p>

4. *Survival ability of Bacillus cereus LS2B in the presence of tannery wastewater (b, Azhar, I., Prasetyo, R.A., Abidin, M.Z., Erwanto, Y., Kurniawati, N., Pertiwiningrum, A.) (2021)*
Publisher: IOP Conference Series: Earth and Environmental Science, 2021, 667(1), 012035
5. *The Utilization Of Biogas Sludge Biochar To Lead Zero Waste System In Biogas Implementation: The Effect Of Volume On Carbon Dioxide And Methane Content (Pertiwiningrum, A., Wuri, M.A., Pambudi, W.L., Mira, L., Harto, A.W., **Fitriyanto, N.A.**) (2021)*
Publisher: International Journal of GEOMATE, 2021, 20(79), pp. 119–124
6. *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., Erwanto, Y., Yusiati, L.M., Widodo, W., **Fitriyanto, N.A.**) (2021)*
Publisher: International Journal of Environment and Waste Management, 2021, 27(1), pp. 1–20
7. *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., Rusman, R., Erwanto, Y.) (2021)*
Publisher: Veterinary World, 2021, 14(1), pp. 161–167
8. *Regulation of lanthanide-dependent methanol oxidation pathway in the legume symbiotic nitrogen-fixing bacterium Bradyrhizobium sp. strain Ce-3 (Pastawan, V., Suganuma, S., Mizuno, K., Wang, L., Tani, A., Mitsui, R., Nakamura, K., Shimada, M., Hayakawa, T., **Fitriyanto, N.A.**, Nakagawa, T.) (2020)*
Publisher: Journal of Bioscience and Bioengineering, 2020, 130(6), pp. 582–587
9. *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)*
Publisher: IOP Conference Series: Earth and Environmental Science, 2020, 599(1), 012021
10. *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)*
Publisher: IOP Conference Series: Earth and Environmental Science, 2020, 483(1), 012015
11. *Antibacterial Activity of Maja Fruit Extract Against Escherichia coli*

and Its Potential as Urease Inhibitor for Reducing Ammonia Emission in Poultry Excreta (Fitriyanto, N.A., Lewa, N., Prasetyo, R.A., Kurniawati, A., Erwanto, Y., Bachruddin, Z., Muhlisin, Wihandoyo) (2020)

Publisher: IOP Conference Series: Earth and Environmental Science, 2020, 465(1), 012006

12. *Biological function of lanthanide in plant-symbiotic bacteria: Lanthanide-dependent methanol oxidation system (Pastawan, V., Fitriyanto, N.A., Nakagawa, T.) (2020)*

Publisher: Reviews in Agricultural Science, 2020, 8, pp. 186–198

13. *Maja Fruit Extracts Inhibit Escherichia coli, Reduce Fly Larvae Population, and Ammonia Emission of Chicken Excreta (Svaefullah, B.L., Erwanto, Y., Wihandoyo, Muhlisin, Prasetyo, R.A., Kurniawati, N., Fitriyanto, N.A.) (2020)*

Publisher: Tropical Animal Science Journal, 2020, 43(4), pp. 369–376

14. *Identification of Goat Skin and Pig Skin as the Raw Material of Rambak Using PCR-RFLP Method (D Triasih, Y Erwanto, NA Fitriyanto) (2020)*

Publisher: Jurnal Sain Peternakan Indonesia 15 (4), 420-425

15. *Characterization and growth profile of proteolytic strain PK-4 isolated from local slaughterhouse wastewater (NA Fitriyanto, S Hadi, MI Bahtiyar, RA Prasetyo, Y Erwanto) (2020)*

Publisher: BIO Web of Conferences 28, 03001 (2020)

16. *Perbandingan Metode Isolasi pada Deteksi Kulit Sapi, Kerbau, Kambing, dan Babi sebagai Bahan Baku Rambak Kulit (Dyah Triasih, Rulli Riana Dewi, Yuny Erwanto, Nanung Agus Fitriyanto) (2020)*

Publisher: Jurnal Triton, Volume 11 Nomor 1, 2020: 37-44 ISSN: 2085-3823

<https://jurnal.polbangtanmanokwari.ac.id/index.php/jt/article/view/100>

17. *Isolation and characterization of Alcaligenes sp. LS2T from poultry farm at Yogyakarta city and the growth ability in animal's urine medium (Nanung Agus Fitriyanto, Ricky Gutama, Theresia Galuh Wandita, Yuny Erwanto, Takashi Hayakawa, Tomoyuki Nakagawa) (2019)*

Publisher: AIP Conference Proceedings 2099,020006

18. *Lanthanide-dependent methanol dehydrogenase from the legume symbiotic nitrogen-fixing bacterium Bradyrhizobium diazoefficiens strain USDA110 (Lun Wang, Soya Suganuma, Ayumi Hibino, Ryoji Mitsui, Akio Tani, Takashi Matsumoto, Akio Ebihara, Nanung Agus*

Fitriyanto, Ambar Pertiwiningrum, Masaya Shimada, Takashi Hayakawa, Tomoyuki Nakagawa) (2019)

Publisher: *Enzyme and Microbial Technology* 130,109371.
<https://doi.org/10.1016/j.enzmictec.2019.109371>.

19. *IPTEK Bagi Masyarakat (IbM) Melalui Peningkatan Panen Pedet dan Produksi Kompos Berkualitas Pada Kelompok Ternak Sapi Potong 9 Bayu Andri Atmoko, Endang Baliarti, **Nanung Agus Fitriyanto*** (2019)

Publisher: *Jurnal Pengabdian kepada Masyarakat-Iptek bagi Masyarakat. Journal Universitas Gadjah Mada. Vol.5, No.1, Maret 2019, Hal 72-98*

20. *Transisi Energi Berbasis Komunitas di Kepulauan dan Wilayah Terpencil (Rachmawan Budiarto, R. Derajad Sulisty Widhyharto, Muhammad Sulaiman, Fuji Riang Prastowo, Oki Rahadianto Sutopo, **Nanung Agus Fitriyanto**, Irawan Eko Prabowo, M.Eng.Agus Maryono)* (2019)

Publisher: *Buku. Cetakan 1: 220 halaman. Penerbit: Pusat Studi Energi Universitas Gadjah Mada, Yogyakarta. ISBN: 978-623-91932-0-1*

21. *Hydrolyzation of duck meat protein using Bacillus cereus TD5B protease, pepsin, trypsin and their potency as an angiotensin converting enzyme inhibitor (A Winarti, F Rahmawati, **NA Fitriyanto**, J Jamhari, Y Erwanto)* (2019)

Publisher: *Journal of the Indonesian Tropical Animal Agriculture* 44 (3), 266-276

22. *Isolation and characterization of protease-producing bacteria from puffer fish skin waste (Wibowo, R.L.M.S.A., Bachruddin, Z., **Fitriyanto, N.A.**, Nakagawa, T., Hayakawa, T., Pertiwiningrum, A.)* (2018)

Publisher: *Asian Journal of Microbiology, Biotechnology and Environmental Sciences*, 2018, 20(October), pp. S47–S52

23. *Optimization of acid soluble collagen extraction from Indonesian local “Kacang” goat skin and physico-chemical properties characterization (Wahyuningsih, R., Rusman., Nurliyani, Pertiwiningrum, A., Rohman, A., **Fitriyanto, N.A.**, Erwanto, Y.)* (2018)

Publisher: *Chemical Engineering Transactions*, 2018, 63, pp. 703–708

24. *Optimizing of protease purification from bacillus cereus TD5B by ammonium sulfate precipitation (Winarti, A., **Fitriyanto, N.A.**, Jamhari, Pertiwiningrum, A., Bachruddin, Z., Pranoto, Y., Erwanto,*

Y.) (2018)

Publisher: Chemical Engineering Transactions, 2018, 63, pp. 709–714

25. *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)*

Publisher: American Journal of Animal and Veterinary Sciences, 2018, 13(2), pp. 70–75

26. *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, Lies Mira Yusiati, Takashi Hayakawa, Tomoyuki Nakagawa, **Nanung Agus Fitriyanto**) (2018)*

Publisher: Pakistan Journal of Biotechnology Vol. 15 No. 2 Page 413-421.

27. *Biosorption of Metal Ions on Methanol Dehydrogenase Enzymatic Activity of Bradyrhizobium japonicum USDA110 (Novita Kurniawati, Ambar Pertiwiningrum, Yuny Erwanto, **Nanung Agus Fitriyanto**, and Mohammad Zainal Abidin) (2018)*

Publisher: Buletin Peternakan Vol. 42 No. 2 Halaman 139-144.

28. *Direct Stimulation by Methanol Addition on the Cultured Medium for Methanol Dehydrogenase Protein Purification from Bradyrhizobium japonicum USDA110 (Novita Kurniawati, Ambar Pertiwiningrum, Yuny Erwanto, **Nanung Agus Fitriyanto**, Mohammad Zainal Abidin) (2018)*

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

29. *Kinerja Induk Sapi Jabres di Padang Penggembalaan Maribaya, Kabupaten Brebes, Jawa Tengah (Nono Ngadiyono, Panjono, **Nanung Agus Fitriyanto**, Nafiatul Umami, Miftahush S. Haq, dan Jafar Arifin) (2018)*

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. 202-205. ISBN: 978-979-1215-33-6

30. *Kirby-Bauer Test Ekstrak Peras Buah Maja Matang sebagai Inhibitor Urease dan Inhibitor Nitrifikasi pada Escherichia coli (Novita Kurniawati, **Nanung Agus Fitriyanto**, Ambar Pertiwiningrum, Yuny Erwanto, dan Mohammad Zainal Abidin) (2018)*

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

31. *Characterization of Pseudomonas sp. LS3K as Nitrate Removal Agent at Different C/N Ratios Under Aerobic Condition (RA Prasetyo, A Pertiwiningrum, Y Erwanto, LM Yusiati, **NA Fitriyanto**) (2018)*

Publisher: Proceeding of the 2nd International Conference on Tropical Agriculture, 185-194

32. *Kebijakan Pembangunan Peternakan Indonesia Dalam Tata Kelola Otonomi Daerah: Studi Kasus Di Kabupaten Tana Tidung, Kalimantan Utara (R Ahmad Romadhoni Surya Putra, Pipit Tita Adhitya, Endy Triyannanto, Zaenal Bachruddin, I Gede Suparta Budisatria, **Nanung Agus Fitriyanto**, Ali Agus) (2018)*

Publisher: Prosiding Ilmu Ilmu Peternakan, Seminar Nasional: Sekolah Tinggi Penyusunan Pertanian (STPP) Magelang: 693-701

33. *Characteristics of High Ammonium- Tolerant Arthrobacter Sp. LM1KK Isolated from High Ammonia Odorous Region of Laying Hens Farm in The Tropical Area (2017)*

Publisher: Research Journal of Microbiology Vol. 12 |(2) | Page: 118-127. DOI: 10.3923/jm.2017.118.127. URL: <http://scialert.net/abstract/?doi=jm.2017.118.127>

34. *Identification and Growth Characters of Nitrifying Pseudomonas Sp. LS3K Isolated From Odorous Region of Poultry Farm (2017)*

Publisher: Journal of Biological Sciences Vol. 17 (1):1-10. ISSN 1727-3048. DOI: 10.3923/jbs.2017.1.10. URL: <http://scialert.net/abstract/?doi=jbs.2017.1.10>

35. *Ability of Indigenous Microbial Consortium in the Process of Ammonia Oxidation of Livestock Waste (2017)*

Publisher: Asian Journal of Animal Sciences Vol. 11 No. 2: 74-81, 2017. ISSN 1819-1878. DOI: 10.3923/ajas.2017.74.81. Published by: Knowledge Scientific.

36. *Potential Test on Utilization of Cow's Rumen Fluid to Increase Biogas Production Rate and Methane Concentration in Biogas (2017)*

Publisher: Asian Journal of Animal Sciences Vol. 11 No. 2:82-87, 2017. ISSN 1819-1878. Published by: Knowledge Scientific. DOI: 10.3923/ajas.2017.82.87

37. *Screening and Characterization of Keratinolytic Bacteria from Puffer Fish Skin Waste (2017)*

Publisher: 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>

38. *Semi Purification and Identifications Molecule Protein Weigh of Alkaline Protease Enzyme from Bacillus cereus LS2B (2017)*

Publisher: International Journal of Bio-Science and Bio-Technology, Vol. 9, No. 3, 2017: 89-100. Indexed by Scopus, Impact Faktor: 0,22 (SJR). Published by: Science & Engineering Research Support Society. ISSN: 2233-7849.

39. *Nutritional Value and In Vitro Digestibility of Shrimp Waste Fermented with Isoptericola sp. A10-1 (2017)*

Publisher: The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 117-121. ISBN: 978-979-1215-29-9

40. *Isolation of Bacteria Producing Enzyme Collagenase from Waste of Pufferfish (Arothon reticularis) Skin (2017)*

Publisher: The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 374-379. ISBN: 978-979-1215-29-9

41. *The Effect of Merapi Volcanic Ash Addition on the Quality of Liquid Organic Biofertilizer Made from Goat and Sheep Feces (2017)*

Publisher: The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 431-436. ISBN: 978-979-1215-29-9

42. *Utility of Biogas Sludge as Media for White Oyster Mushroom (Pleurotus florida) (2017)*

Publisher: The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 485-495. ISBN: 978-979-1215-29-9

43. *The Effect of Volcanic Ash Addition to The Chemical Quality of Excreta Organic Fertilizer (2017)*

Publisher: The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 496-500. ISBN: 978-979-1215-29-9

44. *Development of Botanical Composition in Maribaya Pasture, Brebes, Central Java (2017)*

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45. *Effect of adding the chicken feces meal into the biogas sludge as the bran mixture on the white A4-040 oyster mushroom (Pleurotus florida) productivity* (2017)

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	<p>52. <i>Isolation of Indigenous Denitrifying Bacteria from the Odorous Region of A Layer Farm and its Potential as Nitrate Reducing Agent (Author 1 of 9) (2016)</i></p> <p><i>Publisher: Proceedings of The 17th Asian-Australasian Association of Animal Production Societies Animal Science Congress, 22-25 August 2016, Fukuoka Japan</i></p> <p>53. <i>Purification and Characterization of Extracellular Alkaline Protease from Bacillus cereus LS2B (Author 5 of 5) (2016)</i></p> <p><i>Publisher: Proceedings of the 1st UGM International Conference on Tropical Agriculture (ICTA), 25-26 October, 2016. Yogyakarta, Indonesia.</i></p> <p>54. <i>Shrimp Waste Fermentation by Isoptericola Sp. Strain A10-1 as Feed Compound for Improve Yield Carcas and Performance of Magelang Duck (Author 5 of 6) (2016)</i></p> <p><i>Publisher: Proceedings of the 1st UGM International Conference on Tropical Agriculture (ICTA), 25-26 October, 2016. Yogyakarta, Indonesia</i></p> <p>55. <i>Heterotropic and Aerobic Ammonium Removal in Wastewater by Alcaligenes Sp. LS2T (Author 2 of 3) (2016)</i></p> <p><i>Publisher: Proceedings of the 1st UGM International Conference on Tropical Agriculture (ICTA), 25-26 October, 2016. Yogyakarta, Indonesia</i></p> <p>56. <i>Potential of Marmelosin Bioactive Compound in Aegle marmelos to Inhibit the Growth of Bacterialurease for Reduce Forming Ammonia (NH₃) in Excreta (Author 3 of 3) (2016)</i></p> <p><i>Publisher: Proceedings of the 1st UGM International Conference on Tropical Agriculture (ICTA), 25-26 October, 2016. Yogyakarta, Indonesia</i></p> <p>57. <i>The Addition Effect of Fermented Aegle Marmelos Fruit and Bamboo Shoots in Cattle Feces Slurry to the Reduction of Ammonia Gas Emission (Author 1 of 3) (2016)</i></p> <p><i>Publisher: Proceedings of the 1st UGM International Conference on Tropical Agriculture (ICTA), 25-26 October, 2016. Yogyakarta, Indonesia</i></p>
<p>Activities in specialist bodies over the last 5 years</p>	<p>-</p>