

Staff Handbook

Name	<i>Ir. Nafiatul Umami, S. Pt., M.P., Ph. D., IPM., ASEAN Eng.</i>		
Post	<i>Animal Feed Nutrition</i>		
Academic career	<i>Professional Engineering (IPU)</i>	<i>Universitas Gadjah Mada</i>	<i>2018</i>
	<i>Doctorate (Environment & Resources Science)</i>	<i>University of Miyazaki Japan Nutrition and Forage Breeding Science</i>	<i>2013</i>
	<i>Graduate degree (Animal Science)</i>	<i>Universitas Gadjah Mada</i>	<i>2004</i>
	<i>Undergraduate degree (Animal Science)</i>	<i>Universitas Gadjah Mada</i>	<i>2001</i>
Employment	<i>Associate Professor</i>	<i>Universitas Gadjah Mada</i>	<i>2019-present</i>
	<i>Assistant Professor</i>	<i>Universitas Gadjah Mada</i>	<i>2009-2019</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 use of mycorrhizal fungi as an effort to increase the resilience of animal feed in dry land areas and increase the productivity and quality of animal feed (2021)</i> <i>Source of funds: Final Recognition (RTA)</i> <i>2. Effect of fertilizer application and harvest age on productivity, nutritional value and isoflavone levels in the pea flower legume (Clitoria ternatea) (2021)</i> <i>Source of funds: Final Task Recognition (RTA)</i> <i>3. Superior Feed Plant Chicorium intybus as Leaf Protein Concentrate for Functional Animal Feed, Second year (2021)</i> <i>Source of funds: PDUPT, PTNBH-Kemenristekdikti</i> <i>4. Superior Feed Plant Chicorium intybus as Leaf Protein Concentrate for Functional Livestock Feed, First year (2020)</i> <i>Source of funds: PDUPT, PTNBH-Kemenristekdikti</i> <i>5. The Potential of Various Napier Grass Pennisetum purpureum sp. as a Source of Future Feed and Fuel: Breeding System on napier grass (2020)</i> <i>Source of funds: Master Thesis Research, PTNBH-Kemenristekdikti</i> <i>6. Test of Silage Quality and Digestibility of Several Varieties of Pennisetum purpureum sp Supplemented with Molasses at Different Levels (2020)</i> <i>Source of funds: Master Thesis Research, PTNBH-Kemenristekdikti</i> <i>7. Effect of Cutting Age Cichorium intybus and Pennisetum purpureum cv. Mott in the Intercropping System with Nitrogen Fertilization on Production, Nutrient Content, Digestibility and Tannins in Various</i> 		

	<p><i>Regrowth Phases (2020)</i></p> <p><i>Source of funds: Final Project Recognition, UGM</i></p> <p>8. <i>Domestication and Cultivation of Tetragonula Laeviceps Bees: Evaluation of Honey Production Potential and Quality as an Immunomodulator (2020)</i></p> <p><i>Source of funds: Doctoral Dissertation Research, PTNBH-Kemenristekdikti</i></p> <p>9. <i>Growth, Biomass Production and Nutrient Content of Chicory and Stylo Plants in Intercropping Systems at Various Planting Spacings (2020)</i></p> <p><i>Source of funds: Thematic Grants for Laboratory of the Faculty of Animal Science UGM</i></p> <p>10. <i>The Effect of Using Forage Cichorium intybus as Functional Feed on Entok (Chairina moschata) (2020)</i></p> <p><i>Source of funds: Postgraduate Grants, Faculty of Animal Science, UGM</i></p> <p>11. <i>The Effect of Arbuscular Mycorrhizal Fungi Inoculation on Growth, Productivity and Nutrient Content of Chicory Forage (Cichorium intybus L.) (2020)</i></p> <p><i>Source of funds: Postgraduate Grants, Faculty of Animal Science UGM</i></p> <p>12. <i>Development of Dry Resistant Local Grass Using Mutation Breeding System to Increase Feed Resilience (2019)</i></p> <p><i>Source of funds: BOPTN BH UGM</i></p> <p>13. <i>Development of Long Beans as Food and Feed Source (2019)</i></p> <p><i>Source of funds: BOPTN BH UGM</i></p> <p>14. <i>Domestication and Cultivation of Tetragonula laeviceps Bees: Evaluation of Honey Production Potential and Quality as Immunomodulator (2019)</i></p> <p><i>Source of funds: Final Project Recognition Program, UGM</i></p> <p>15. <i>Development of Dry Resistant Local Grass to Increase Feed Resilience (2019)</i></p> <p><i>Source of funds: Leading University Applied Research, Ristekdikti</i></p> <p>16. <i>Effect of Harvest Age on Production Quality of Chicory intybus in Yogyakarta (2019)</i></p> <p><i>Source of funds: Thematic Research Grants for the Faculty of Animal Science UGM</i></p>
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	<p>17. <i>Effect of Cutting Age of Cichorium intybus Planted in Pennisetum purpureum cv Mott on Growth, Production, Nutrient Content and Digestibility (2019)</i></p> <p>Source of funds: <i>Postgraduate Grants Faculty of Animal Science UGM</i></p> <p>18. <i>Development of Queen Bee and Calliandra Propagation Techniques for Red Flowers, Corn, Sunflowers as Feed for Bees Trigona Sp. to Increase Honey and Pollen Production (2018)</i></p> <p>Source of funds: <i>Leading University Applied Research (PTUPT), Ristekdikti</i></p> <p>19. <i>Development of Dry Resistant Local Grass to Improve Feed Resilience (2018)</i></p> <p>Source of funds: <i>Leading University Applied Research (PTUPT), Ristekdikti</i></p> <p>20. <i>Prospects of Grass Seed Development to Provide Forage Seeds for Animal Feed in Indonesia (Third Year) (2018)</i></p> <p>Source of funds: <i>Leading University Applied Research</i></p> <p>21. <i>Apiculture (Honey Bee Livestock Cultivation) (2018)</i></p> <p>Source of funds: <i>PIKA Grant, Gadjah Mada University</i></p> <p>22. <i>Study Carrying Capacity of Animal Feed in Gunung Kidul Regency (2018)</i></p> <p>Source of funds: <i>Cooperation of PT Almas and Gunungkidul Regency Government</i></p> <p>23. <i>Adaptability and Production of Various Superior Feed Crops for Introduction in Indonesia (2018)</i></p> <p>Source of funds: <i>Cooperation with Crop Mark Seed Company New Zealand</i></p> <p>24. <i>The Effect of Cutting Age and Sorghum Varieties Grown in Stylosanthes Pastures on Production, Nutrient Content, Digestibility and Prusic Acid (2018)</i></p> <p>Source of funds: <i>Postgraduate Research Grants, Faculty of Animal Science UGM</i></p> <p>25. <i>Evaluation of Various Sorghum Bicolor sp. As a Source of Feed Biomass and Bioethanol (2018)</i></p> <p>Source of funds: <i>Postgraduate Research Grants, Faculty of Animal Science UGM</i></p> <p>26. <i>Morphological Characteristics, Adaptability and Biomass Production of various Pennisetum purpureum varieties in Yogyakarta: Breeding</i></p>
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	<p><i>System in Napier grass (2018)</i></p> <p><i>Source of funds: Thematic Research Grants for the Faculty of Animal Science UGM Laboratory</i></p> <p>27. <i>Prospects of Grass Seed Development to Provide Forage Seeds for Animal Feed in Indonesia (Second Year) (Leader of 3 Researchers) (2017)</i></p> <p><i>Source of funds: PUPT, DIKTI</i></p> <p>28. <i>Morphological Characteristics, Production and Quality of Introduced Feed Plants in Yogyakarta (leader) (2017)</i></p> <p><i>Source of funds: Thematic Laboratory of the Faculty of Animal Science UGM Farm</i></p> <p>29. <i>Prospects of Grass Seed Development to Provide Forage Seeds for Animal Feed in Indonesia: Different planting and harvesting methods on production and seed quality of Brachiaria sp. (Head of 4 Researchers) (2016)</i></p> <p><i>Source of funds: DIKTI</i></p> <p>30. <i>Integration of Shorgum and Stylosanthes for Animal Feed Sources in Dry Regions (2016)</i></p> <p><i>Source of funds: DIKTI</i></p> <p>31. <i>Trigona sp. Beekeeping Development. to Increase Farmer's Income: The Effect of Stup Design on Honey, Pollen and Bee Propolis Production (Member) (2016)</i></p> <p><i>Source of funds: DIKTI</i></p> <p>32. <i>Massive Open On-Line Course for Seed Production of Feed Plants with the Development of Learning Media to Improve Student Understanding in the Field of Forage Animal Food Head of 4 Researchers) (2016)</i></p> <p><i>Source of funds: rant for E-Learning Improvement, UGM Center for Information and Academic Policy</i></p> <p>33. <i>Mapping of the People's Dairy Farming Industry as a Basis for Implementation of Livestock Technology Based on Local Wisdom in the Context of Improving the Livestock Economy (Member of 5 Researchers) (2016)</i></p> <p><i>Source of funds: PUPT DIKTI</i></p> <p>34. <i>Study on the Potential of Weeds and Weeds as Tropical Animal Feed (Member of 4 Researchers) (2016)</i></p> <p><i>Source of funds: UPT DIKTI</i></p> <p>35. <i>Development of Dry Resistant Local Grass to Increase Feed</i></p>
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	<p><i>Resilience (Member of 4 Researchers) (2016)</i></p> <p><i>Source of funds: PUPT DIKTI</i></p> <p>36. <i>Study of Saponin Content in Several Brachiaria Varieties and Their Effects on Digestibility of Feed In Vitro (Head of 3 Researchers) (2016)</i></p> <p><i>Source of funds: FUNDAMENTALS, DIKTI</i></p> <p>37. <i>Development of People's Dairy Cattle (2016)</i></p> <p><i>Source of funds: DIKTI</i></p> <p>38. <i>Use of Gamma Radiation for Shorgum and Brachiaria sp. (2016)</i></p> <p><i>Source of funds: Independent</i></p> <p>39. <i>Use of Tissue Culture for Breeding Brachiaria sp. (2016)</i></p> <p><i>Source of funds: Young Lecturer Fund</i></p> <p>40. <i>Somatic Embryogenesis in Grass Plants Brachiaria decumbens (Member of 4 Researchers) (2016)</i></p> <p><i>Source of funds: Grant for Laboratory Thematic Research, Faculty of Animal Science UGM</i></p> <p><i>Community service over the last 5 years:</i></p> <p>1. <i>Development of HMT Nursery at Bumi Kayangan Farm Group Wonosari Gunung Kidul (2020)</i></p> <p><i>Source of funds: PPKDY</i></p> <p>2. <i>Resource Person for Stenotaphrum Grass Release Session at the Directorate of Feed, Ministry of Agriculture (2020)</i></p> <p><i>Source of funds: Ministry of Agriculture, RI</i></p> <p>3. <i>PKM PKK Adopts Klanceng Bees and Beeswax Creations Wanagama Forest Honey (2020)</i></p> <p><i>Source of funds: PKM Ristekdikti</i></p> <p>4. <i>Feed Availability and Resources on Yogyakarta Area: Case Study in Goat and Sheep Farmers Association (2020)</i></p> <p><i>Source of funds: DPKM UGM</i></p> <p>5. <i>Preparation of Standard Operating Procedures for Testing the Release of Genetically Engineered Products (PRG) Ministry of Agriculture (2020)</i></p> <p><i>Source of funds: Ministry of Agriculture RI</i></p> <p>6. <i>Dissemination of Research Results on Gama Umami Grass Development at Bumi Kayangan Farm Duwet Village, Wonosari District, Gunung Kidul Regency (2020)</i></p>
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	<p><i>Source of funds: Faculty of Animal Science UGM</i></p> <p>7. <i>Amelioration and Revitalization of Feed in Breeders and Feed Units of the Yogyakarta Sheep Farmers Union during the COVID-19 Outbreak (2020)</i></p> <p><i>Source of funds: Thematic Grant for Laboratory Service Faculty of Animal Science UGM</i></p> <p>8. <i>Livestock Chat (OPERA) Series #3 on Saturday, June 20, 2020 with the theme Survival Strategy in the 2020 Covid-19 Era (2020)</i></p> <p><i>Source of funds: Faculty of Animal Science UGM</i></p> <p>9. <i>Increasing the Institutional Capacity of the SARI ALAMI Honey Bee Farmer Group in Implementing the 2019 UGM ESD Concept (2019)</i></p> <p><i>Source of funds: UGM</i></p> <p>10. <i>Green Livestock Production at the Yogyakarta Sheep Farmers Union with the Development of Complete Feed Gama Grass as (2019)</i></p> <p><i>Source of funds: Superior Feed ESD Grant, UGM</i></p> <p>11. <i>Feed Training at Bumi Narrarya Farm (2019)</i></p> <p><i>Source of funds: Yogyakarta Sheep Farmers Union (PPKDY)</i></p> <p>12. <i>Introduction to Integrated Bee Cultivation with Feed Plants Based on Community Potential, Wonolagi Hamlet, Ngleri Village, Playen District, Gunungkidul Yogyakarta (2019)</i></p> <p><i>Source of funds: Faculty of Animal Science, UGM</i></p> <p>13. <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, UGM</i></p> <p>14. <i>Guidance on Feed and Health Management by Implementing the Use of Leaf Protein Feed in Breeders Group Menthok Sleman, Tirtomartani Kalasan Sleman Yogyakarta (2019)</i></p> <p><i>Source of funds: Faculty of Animal Science Universitas Gadjah Mada</i></p> <p>15. <i>Free Lecture Speaker: Farmers, We Serve "Integrated Animal Farming System" (2019)</i></p> <p><i>Source of funds: Faculty of Animal Science UGM</i></p> <p>16. <i>Community Partnership Program in the "Jogja Feed" Feed Business Group to Support the "Lemu with Sheep Program" at the Yogyakarta Sheep Goat Breeders Union (PPKDY), Turi, Giri Kerto, Sleman, Yogyakarta (2018)</i></p> <p><i>Source of funds: Community Service (PKM), Ristekdikti</i></p> <p>17. <i>Development of Forage Breeders Group for Animal Feed at the</i></p>
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	<p><i>Yogyakarta Goat and Sheep Farmer Association (2018) Postgraduate Grant, Faculty of Animal Science UGM</i></p> <p>18. <i>Utilization of Local Forage Through Forage Banks as an Effort to Improve Livestock Production Systems in the Livestock Group of Sumberharjo Prambanan Village, Sleman, Yogyakarta (2018)</i></p> <p><i>Source of funds: Postgraduate Grant, Faculty of Animal Science UGM</i></p> <p>19. <i>Introduction of Integrated Bee Cultivation with Feed Plants Based on Potential of the Village Community of Banyusoco, Playen, Gunungkidul, Yogyakarta (2018)</i></p> <p><i>Source of funds: Thematic Service Grant for the Faculty of Animal Science UGM</i></p> <p>20. <i>Lemu with Sheep Farmers with Partnership Pattern at Pondok Tetirah Dhikr, Berbah, Sleman (2018)</i></p> <p><i>Source of funds: Community Service (PKM), Ristekdikti</i></p> <p>21. <i>The Guidance of KWT Gama Ngudi Lestari (Beat Goat Breeding) (2018)</i></p> <p><i>Source of funds: Independent</i></p> <p>22. <i>Forage Diversification (Free Lecture "For You Our Farmers Serve") (2017)</i></p> <p><i>Source of funds: Non-binding Funds</i></p> <p>23. <i>Introduction of Integrated Bee Cultivation with Feed Plants Based on Potential of the Community of Jatikuning Padukuhuan, Ngoro-oro, Patuk, Gunungkidul, Yogyakarta (2017)</i></p> <p><i>Source of funds: Laboratory Thematic Grant Faculty of Animal Science UGM</i></p> <p>24. <i>Increasing Livestock Productivity Through Group Strengthening and Introduction of Forage Banks in the Livestock Group of Pereng Hamlet, Sumberharjo Village, Prambanan District, Sleman Regency (2017)</i></p> <p><i>Source of funds: Postgraduate Grant Faculty of Animal Science UGM</i></p> <p>25. <i>Extension of Forage for Animal Feed for Ngelosari Piyungan Village Bantul (2017)</i></p> <p><i>Source of funds: Faculty of Animal Science UGM</i></p> <p>26. <i>Introduction of Integrated Bee Cultivation with Feed Plants Based on Potential of the Community in Malangrejo Village, Wedomartani Village, Ngemplak Sleman Yogyakarta (2016)</i></p> <p><i>Source of funds: Thematic Grants for the Faculty of Animal Science</i></p>
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	<p>UGM</p> <p>27. <i>Application of Feed Management Based on Local Forage Sources for Sheep Farmers in the Gajah Wong Community, Ledhok, Timoho, Yogyakarta (2016)</i></p> <p>Source of funds: Postgraduate Program Service Grants, Faculty of Animal Science UGM</p> <p>28. <i>Extension and Pilot Planting of Forage Animal Feed (Calliandra calothyrsus) and Distribution of Plants in Ngelosari Hamlet, Srimulyo Village, Piyungan District, Bantul Regency, DIY (2016)</i></p> <p>Source of funds: Independent</p> <p>29. <i>Livestock Business-Based Productive Village Community Development in Wirosari, Purwodadi: Utilization of Livestock and Agricultural Waste to Support the Realization of Productive Villages (2016)</i></p> <p>Source of funds: BPPTNBH (BHPTN Funding Assistance)</p>
Industry collaborations over the last 5 years	-
Patents and proprietary rights	1. <i>Gama Umami (Plant Variety Conservation)</i> 2021
Important publications over the last 5 years	<p>Total number of publications: 76</p> <ol style="list-style-type: none"> <i>The Role of Arbuscular Mycorrhizal Fungi Density on the growth and biomass of corn and shorghum forage in Trapping Culture (M Husein, N Umami, A Pertiwiningrum, M Rahman, D Ananta) (2022)</i> <i>Hijauan Pakan Ternak Forbs (Brassica rapa dan Cichorium intibus) (Nafiaul Umami, Bambang Suhartanto, Ali Agus, Farah Siti Zakiyyah) (2022)</i> <p>Publisher: Pandiva Book, Yogyakarta ISBN: 978-602-5583-75-9 68 pages.</p> <ol style="list-style-type: none"> <i>Growth and biomass production of chicory (Cichorium intybus L) planted in intercropping system with Pennisetum purpureum cv. Mott and cut at different ages (Zaini, N., Umami, N., Hanim, C., Astuti, A., Suwignyo, B.) (2021)</i> <p>Publisher: IOP Conference Series: Earth and Environmental Science, 2021, 667(1), 012012</p> <ol style="list-style-type: none"> <i>Second regrowth phase generative characteristics of alfalfa (Medicago sativa L.) with addition of lighting duration and dolomites (Suwignyo, B., Adnan, F., Umami, N., Pawening, G., Suseno, N., Suhartanto, B.) (2021)</i> <p>Publisher: IOP Conference Series: Earth and Environmental Science,</p>

	<p>2021, 667(1), 012023</p> <p>5. <i>The Effect of Total Mixture Concentrate Based on Tofu Waste Silage as Feed on Performance of Lambs (Yafri Hazbi, Zaenal Bachruddin, Nafiatul Umami, Lies Mira Yusiati) (2021)</i></p> <p><i>Publisher: Advances in Biological Sciences Research, Volume 18 Proceedings of the 9th International Seminar on Tropical Animal Production (ISTAP 2021)</i></p> <p>6. <i>Nitrogen Balance of Thin Tailed Sheep with the Addition of Soybean Meal and Artocarpus heterophyllus in Pennisetum purpureum cv. Mott as Basal Feed (Wahyu Setyono, Kustantinah, Lies Mira Yusiati, Bambang Suwignyo, Nafiatul Umami) (2021)</i></p> <p><i>Publisher: Advances in Biological Sciences Research, Volume 18 Proceedings of the 9th International Seminar on Tropical Animal Production (ISTAP 2021)</i></p> <p>7. <i>Forage Pellets Quality from Weed Legetan with Different Composition (Bambang Suwignyo, Rifqi Danang Subagya, Andriyani Astuti, Nafiatul Umami, Ali Agus) (2021)</i></p> <p><i>Publisher: Advances in Biological Sciences Research, Volume 18 Proceedings of the 9th International Seminar on Tropical Animal Production (ISTAP 2021)</i></p> <p>8. <i>Socio-technical Aspects of Smallholder Beekeeping Adoption of Apis cerana in Wanagama Teaching Forest, Gunungkidul, Yogyakarta (DB Permadi, N Umami, A Triyogo, R Pujiarti, B Larasati, RM Septiana) (2021)</i></p> <p><i>Publisher: Buletin Peternakan 45 (1), 56-65</i></p> <p>9. <i>Nutrient content, fiber fraction and ethanol production of three cultivars (Pennisetum purpureum Scumach.) (Nafiatul Umami, Dwi Ananta, Zaenal Bachruddin, Bambang Suhartanto and Chusnul Hanim) (2020)</i></p> <p><i>Publisher: E3S Web of Conferences 200, 03008 (2020) The 1st Geosciences and Environmental Sciences Symposium (ICST 2020)</i></p> <p>10. <i>The use of oil palm fronds as an energy source for pregnant Bali cow ration and its effect on the cow's performances (Ida Ketut Mudhita Mahosadi, Endang Baliarti, Subur Priyono Sasmito Budhi, Nafiatul Umami, Cuk Tri Noviandi, I Gede Suparta Budisatria) (2020)</i></p> <p><i>Publisher: International Journal of Agriculture, Forestry and Plantation, Volume 10(10), 2020: 356-360</i></p> <p>11. <i>Effect of Organic and Inorganic Fertilizers on Yield and Quality of Synedrella nodiflora (Tropical Weed) (Bambang Suwignyo, Galih Pawening, Muhammad Humaidi Haris, Nafiatul Umami, Nilo Suseno, Bambang Suhartanto) (2020)</i></p>
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	<p><i>Publisher: Buletin Peternakan 44 (4): 209-213, November 2020</i></p> <p>12. <i>The honey and propolis production from Indonesian stingless bee: <i>Tetragonula laeviceps</i> (Agussalim., Nurliyani., Umami, N., Agus, A.) (2020)</i></p> <p><i>Publisher: Livestock Research for Rural Development, 2020, 32(8)</i></p> <p>13. <i>Effect of planting densities and fertilization levels on the production and quality of Chicory (<i>Cichorium intybus</i>) in Yogyakarta, Indonesia (Umami, N., Dewi, M.P., Suhartanto, B., Suseno, N., Agus, A.) (2020)</i></p> <p><i>Publisher: IOP Conference Series: Earth and Environmental Science, 2020, 425(1), 012073</i></p> <p>14. <i>Effect of density between intercropped sorghum and stylosanthes on biomass production and quality under varying NPK fertilizer application rates (Dian Astuti, Bambang Suhartanto, Nafiatul Umami, Agung Irawan) (2020)</i></p> <p><i>Publisher: Journal of Crop Science and Biotechnology Vol 23 No. 3: 197-205</i></p> <p>15. <i>Kinerja Pertumbuhan Rumput Gajah dan Rumput Benggala pada Sistem Silvopastoral di Jambula Ternate (A Guntur, B Suwignyo, N Umami) (2020)</i></p> <p><i>Publisher: Journal of Tropical Animal Research (JTAR) 1 (01), 8-13</i></p> <p>16. <i>Content of Prussic Acid and Production of Sorghum Brown Midrib by Adding Urea Fertilizer and Extending Harvesting Time (N Umami, N Isnaini, B Suhartanto) (2020)</i></p> <p><i>Publisher: Animal Production 21 (2), 93-97</i></p> <p>17. <i>Isolation And Identification of Bacteriocin Producing Lactic Acid Bacteria from Rumen Fluid of Thin Tail Sheep (O Widayati, Z Bachruddin, C Hanim, Lm Yusiati, N Umami) (2020)</i></p> <p><i>Publisher: On Universal Wellbeing (ICUW 2019), 147</i></p> <p>18. <i>Effect of Different Beehives Size and Daily Activity of Stingless Bee <i>Tetragonula Laeviceps</i> on Bee-Pollen Production (A Agus, A Agussalim, N Umami, IGS Budisatria) (2019)</i></p> <p><i>Publisher: Buletin Peternakan 43 (4): 242-246</i></p> <p>19. <i>Bacteriocin Activity of Lactic Acid Bacteria Isolated from Rumen Fluid of Thin Tail Sheep (O Widayati, Z Bachruddin, C Hanim, LM Yusiati, N Umami) (2019)</i></p> <p><i>Publisher: Buletin Peternakan 43 (3): 158-165</i></p> <p>20. <i>The Effect of Variety and Harvesting Time of Sorghum Planted in</i></p>
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Stylosanthes Pasture on Growth, Production and Prussic Acid Content (MP Dewi, **N Umami**, B Suhartanto) (2019)

Publisher: *Buletin Peternakan* 43 (3): 166-170

21. Productivity, Nutrient Composition, and Hydrocyanic Acid Concentration of Super-2 Forage Sorghum at Different NPK Levels and Planting Spaces (D Astuti, B Suhartanto, **N Umami**, A Irawan) (2019)

Publisher: *Tropical Animal Science Journal* 42 (3), 189-195

22. Growth and production of 2 cultivars (*Pennisetum purpureum* Schumach.) on regrowth phase (Ananta, D., Bachruddin, Z., **Umami, N.**) (2019)

Publisher: *IOP Conference Series: Earth and Environmental Science*, 2019, 387(1), 012033

23. Effects of different doses of NPK fertilization on growth and productivity of *Cichorium intybus* (**Umami, N.**, Abdiyansah, A., Agus, A.) (2019)

Publisher: *IOP Conference Series: Earth and Environmental Science*, 2019, 387(1), 012097

24. Physical and chemical quality of silage from two *Pennisetum purpureum* sp varieties supplemented with molasses at different levels (Fahmi, M., Utomo, R., **Umami, N.**) (2019)

Publisher: *IOP Conference Series: Earth and Environmental Science*, 2019, 387(1), 012059

25. Growth and production of *Cichorium intybus* in the second regrowth with different planting densities in Yogyakarta, Indonesia (**Umami, N.**, Wiratih, I., Agus, A., Suhartanto, B.) (2019)

Publisher: *IOP Conference Series: Earth and Environmental Science*, 2019, 387(1), 012098

26. Physicochemical properties of honey produced by the Indonesian stingless bee: *Tetragonula laeviceps* (Agussalim,, Agus, A., Nurliyani, **Umami, N.**, Budisatria, I.G.S.) (2019)

Publisher: *IOP Conference Series: Earth and Environmental Science*, 2019, 387(1), 012084

27. Effect of sorghum varieties and molasses addition on prussic acid content and of silage quality (Handriati, L.N., Suhartanto, B., Widodo, S., Dewi, M.P., **Umami, N.**) (2019)

Publisher: *IOP Conference Series: Earth and Environmental Science*, 2019, 387(1), 012062

28. Income over feed cost of Aceh cattle fattened with forage and

concentrate in different levels (Koesmara, H., Budisatria, I.G.S., Baliarti, E., Widi, T.S.M., Nurtini, S., **Umami, N.**, Ibrahim, A., Atmoko, B.A., Vierman) (2019)

Publisher: IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012101

29. Evaluation of antioxidant activity, phenolic, flavonoid and Vitamin C content of several honeys produced by the Indonesian stingless bee: *Tetragonula laeviceps* (Agus, A., Agussalim,, Nurliyani,, **Umami, N.**, Budisatria, I.G.S.) (2019)

Publisher: Livestock Research for Rural Development, 2019, 31(10)

30. Chemical Composition of *Pennisetum purpureum* and *Panicum maximum* on Silvopastoral System in Jambula, Ternate, Indonesia (Suwignyo, B., Guntur, A., **Umami, N.**, Utomo, R., Suryanto, P., Pawening, G.) (2019)

Publisher: IOP Conference Series: Earth and Environmental Science, 2019, 260(1), 012064

31. Effect of shading and level of nitrogen fertilizer on nutrient quality of *Pennisetum purpureum* cv Mott during wet season (Widodo, S., Suhartanto, B., **Umami, N.**) (2019)

Publisher: IOP Conference Series: Earth and Environmental Science, 2019, 247(1), 012007

32. Effect of composted animal manure as fertilizer on productivity of *Azolla Pinnata* grown in earthen ponds (Utomo, R., Noviandi, C.T., **Umami, N.**, Permadi, A.) (2019)

Publisher: OnLine Journal of Biological Sciences, 2019, 19(4), pp. 232–236

33. The sugar content profile of honey produced by the Indonesian Stingless bee, *Tetragonula laeviceps*, from different regions (Agussalim, A., Agus, A., Nurliyani, N., **Umami, N.**) (2019)

Publisher: Livestock Research for Rural Development, 2019, 31(6)

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