

## STAFF HANDBOOK

Name : Dr. Ir. Bambang Suhartanto, DEA., IPU.  
Post : Fisiologi Terapan untuk Produksi Ternak: Nutrisi Herbivora  
Academic carrer : S1 UGM  
S2 USTL Montpellier France  
S3 UGM

### Research over the last 5 years

| No. | Judul Penelitian<br><i>Research Title</i>  | Tahun<br><i>Year</i> | Sumber Dana<br><i>Source of Funds</i>                                      |
|-----|--|----------------------|--|
| 1.  | Embriogenesis Somatik dan Budidaya Hidrofonik Tanaman Jagung ( <i>Zea mays</i> )   | 2020                 | Hibah Tematik<br>Laboratorium<br>Fakultas Peternakan<br>UGM                |
| 2.  | Peningkatan Populasi Rusa Totol ( <i>Axis axis</i> ) di Daerah Istimewa Yogyakarta, Menggunakan Pola Industri Peternakan Modern Dalam Rangka Membantu Mempercepat Program Swasembada Daging Nasional | 2019                 | BOPTN BH UGM   |
| 3.  | Pengembangan Rumput Lokal Tahan Kering untuk Meningkatkan Ketahanan Pakan  | 2019                 | PTUPT BOPTN BH<br>UGM  |
| 4.  | Produktivitas Sorgum yang Ditanam secara Intercropping untuk Meningkatkan Ketahanan Pakan  | 2019                 | Program Rekognisi<br>Tugas Akhir, UGM                                      |
| 5.  | Pengaruh Perbedaan Intensitas Cahaya Terhadap Produktivitas Alfalfa ( <i>Medicago sativa</i> L.)   | 2019                 | Hibah Penelitian<br>Tematik<br>Laboratorium<br>Fakultas Peternakan<br>UGM  |
| 6.  | Pengaruh Umur Pemotongan <i>Cichorium intybus</i> yang Ditanam dalam Pennisetum purpureum cv Mott terhadap Pertumbuhan, Produksi, Kandungan Nutrien dan Kecernaan                                    | 2019                 | Hibah Pascasarjana<br>Fakultas Peternakan<br>UGM                           |
| 7.  | Pengembangan Rumput Lokal Tahan Kering untuk Meningkatkan Ketahanan Pakan  | 2018                 | Penelitian Terapan<br>Unggulan Perguruan<br>Tinggi (PTUPT),<br>Ristekdikti |
| 8.  | Study <i>Carrying Capacity</i> Pakan Ternak di Kabupaten Gunung Kidul  | 2018                 | Kerjasama PT<br>Almas dan Pemkab<br>Gunungkidul                            |
| 9.  | Pengaruh Umur Pemotongan dan Varietas Sorgum yang Ditanam Dalam Pastura <i>Stylosanthes</i> Terhadap Produksi, Kandungan Nutrien, Kecernaan dan Asam Prusik  | 2018                 | Hibah Penelitian<br>Pascasarjana<br>Fakultas Peternakan<br>UGM             |
| 10. | Evaluasi Berbagai <i>Sorghum bicolor</i> sp. Sebagai Sumber Biomassa Pakan dan Bioethanol  | 2018                 | Hibah Penelitian<br>Pascasarjana<br>Fakultas Peternakan                    |

| No. | Judul Penelitian<br><i>Research Title</i>   | Tahun<br><i>Year</i> | Sumber Dana<br><i>Source of Funds</i>                                    |
|-----|---|----------------------|--|
|     |   |                      | UGM  |
| 11. | Produktivitas Sorghum BMR F1 Sebagai Sumber Benih Tanaman Pakan Tahan Kering  | 2018                 | Hibah Penelitian Tematik Laboratorium Fakultas Peternakan UGM            |
| 12. | Daya Adaptasi dan Produksi Berbagai Tanaman Pakan Unggul untuk Introduksi di Indonesia  | 2018                 | Kerjasama dengan Crop Mark Seed Company New Zealand                      |
| 13. | Karakteristik Morfologi, Produksi dan Kualitas Tanaman Pakan Introduksi di Yogyakarta (Anggota dari 4 peneliti)   | 2017                 | Hibah Tematik Laboratorium Fakultas Peternakan UGM                       |
| 14. | Pengaruh Penambahan Minyak Kulit Biji Mete dalam Pakan terhadap Sintesis Protein Mikrobial Rumen dan Balans Nitrogen pada Kambing Bligon (Anggota dari 5 peneliti)  | 2017                 | Hibah Pascasarjana Fakultas Peternakan UGM                               |
| 15. | Prospek Pengembangan Benih Rumput untuk Menyediakan Bibit Hijauan Makanan Ternak di Indonesia: Metode penanaman dan pemanenan yang berbeda terhadap produksi dan kualitas benih <i>Brachiaria</i> sp. (Anggota dari 4 Peneliti) | 2016                 | DIKTI  |
| 16. | Kajian Potensi Gulma dan Rumput Liar sebagai Pakan Ternak Tropik (Anggota dari 4 Peneliti)  | 2016                 | PUPT DIKTI   |
| 17. | Pengembangan Rumput Lokal Tahan Kering Untuk Meningkatkan Ketahanan Pakan (Anggota dari 4 Peneliti)   | 2016                 | PUPT DIKTI   |
| 18. | Perakitan Teknologi Gama Absorban-Biogas untuk Peningkatan Daya Simpan Gas Metan dalam Mendukung Kemandirian Energi Terbarukan (Anggota dari 4 Peneliti)  | 2016                 | DIKTI (Penelitian Unggulan Perguruan Tinggi)                             |
| 19. | Formulasi Kurikulum SMK 4 tahun Bidang Pertanian Organik dalam Mendukung Ketangguhan Pangan Berkolaborasi dengan Pemerintah Prancis (Anggota dari 4 Peneliti)   | 2016                 | Direktorat Pembinaan SMK, Kemendikbud                                    |
| 20. | Massive Open On-Line Course Produksi Benih Tanaman Pakan dengan Pengembangan Media Pembelajaran untuk Meningkatkan Pemahaman Mahasiswa di Bidang Ilmu Hijauan Makanan Ternak (Anggota dari 4 Peneliti)                          | 2016                 | Hibah Peningkatan E-Learning, Pusat Informasi dan Kebijakan Akademik UGM |
| 21. | Embriogenesis Somatik pada Tanaman Rumput <i>Brachiaria decumbens</i> (Anggota dari 4 Peneliti)   | 2016                 | Hibah Penelitian Tematik Laboratorium Fakultas Peternakan UGM            |

### Community Service over the last 5 years

| No. | Judul Kegiatan<br><i>Activity Title</i>   | Tahun<br><i>Year</i> | Sumber Dana<br><i>Source of Funds</i>                         |
|-----|---|----------------------|---|
| 1.  | Pengembangan Kebun Bibit HMT di Kelompok Bumi Kayangan Farm Wonosari Gunung Kidul   | 2020                 | PPKDY   |
| 2.  | Feed Availability and Resources on Yogyakarta Area: Case Study in Goat and Sheep Farmers Association  | 2020                 | DPKM UGM  |
| 3.  | Diseminasi Hasil Penelitian Pengembangan Rumput Gama Umami di Peternakan Bumi Kayangan Farm Desa Duwet Kecamatan Wonosari Kabupaten Gunung Kidul  | 2020                 | Fakultas Peternakan UGM                                       |
| 4.  | Ameliorasi dan Revitalisasi Pakan di Peternak dan Unit Pakan Perserikatan Peternak Kambing Domba Yogyakarta pada Saat Wabah COVID-19  | 2020                 | Hibah Tematik Pengabdian Laboratorium Fakultas Peternakan UGM |
| 5.  | Obrolan Peternakan (OPERA) Series #3 pada hari Sabtu, 20 Juni 2020 dengan tema Strategi Bertahan di Era Covid-19  | 2020                 | Fakultas Peternakan UGM                                       |
| 6.  | Pengenalan Budidaya Lebah Terintegrasi dengan Tanaman Pakan Berbasis Potensi Masyarakat Dusun Wonolagi Desa Ngleri Kecamatan Playen Gunungkidul Yogyakarta                              | 2019                 | Fakultas Peternakan Universitas Gadjah Mada                   |
| 7.  | Pemberdayaan Peternak Rakyat Sapi Perah melalui Implementasi Integrated Farming di Kelompok Ternak Desa Tahunan Kabupaten Pacitan   | 2019                 | Fakultas Peternakan Universitas Gadjah Mada                   |
| 8.  | Pemateri Kuliah Gratis: Bagimu Petani, Kami Mengabdikan "Sistem Peternakan Terpadu"   | 2019                 | Fakultas Peternakan UGM                                       |
| 9.  | Pembinaan KWT Gama Ngudi Lestari (Pemeliharaan Kambing Potong)  | 2018                 | Mandiri   |
| 10. | Pengenalan Budidaya Lebah Terintegrasi dengan Tanaman Pakan Berbasis Potensi Masyarakat Desa Banyusoco, Playen, Gunungkidul, Yogyakarta   | 2018                 | Hibah Pengabdian Tematik Laboratorium Fakultas Peternakan UGM |
| 11. | Pengembangan Kelompok Pembibit Hijauan Makanan Ternak di Paguyuban Peternak Kambing dan Domba Yogyakarta  | 2018                 | Hibah Pascasarjana, Fakultas Peternakan UGM                   |
| 12. | Integrated Farming (Model-Model Integrasi). Materi Kuliah Gratis Bagimu Petani Kami Mengabdikan   | 2018                 | Fakultas Peternakan UGM                                       |
| 13. | Edukasi Pentingnya Tanaman Legum Pohon Sebagai Tanaman Multiguna dalam Sistem Pertanian Terpadu Sebagai Strategi Mitigasi Bencana di Desa Kalibening Kecamatan Dukun Kabupaten Magelang | 2017                 | Education for Sustainable Development (ESD)                   |
| 14. | Holcim Integrated Farming" kerjasama Fakultas Peternakan UGM-PT Holcim Indonesia Tbk.   | 2017                 | PT. Holcim Indonesia, Tuban                                   |
| 15. | Pemateri dalam Integrated Farming (Kuliah Gratis "Bagimu Petani Kami Mengabdikan")  | 2017                 | Dana tidak mengikat   |

| No. | Judul Kegiatan<br><i>Activity Title</i>  | Tahun<br><i>Year</i> | Sumber Dana<br><i>Source of Funds</i>                         |
|-----|--|----------------------|---|
| 16. | Pengenalan Budidaya Lebah Terintegrasi dengan Tanaman Pakan Berbasis Potensi Masyarakat Padukuhuan Jatikuning, Ngoro-oro, Patuk, Gunungkidul, Yogyakarta   | 2017                 | Hibah Tematik Laboratorium Fakultas Peternakan UGM            |
| 17. | Penyuluhan Hijauan Makanan Ternak untuk Desa Ngelosari Piyungan Bantul   | 2017                 | Fakultas Peternakan UGM                                       |
| 18. | Pengenalan Budidaya Lebah Terintegrasi dengan Tanaman Pakan Berbasis Potensi Masyarakat Padukuhuan Malangrejo Desa Wedomartani, Ngemplak Sleman Yogyakarta | 2016                 | Hibah Tematik Pengabdian Fakultas Peternakan                  |
| 19. | Aplikasi Manajemen Pakan Berbasis Sumber Pakan Hijauan Lokal pada Peternak Domba di Komunitas Gajah Wong, Ledhok, Timoho, Yogyakarta                       | 2016                 | Hibah Pengabdian Program Pascasarjana Fakultas Peternakan UGM |

#### Important publications over the last 5 years

| No. | Judul Publikasi<br><i>Publication Title</i>  | Tahun<br><i>Year</i> | Penerbit<br><i>Publisher</i>   |
|-----|--|----------------------|--|
| 1.  | The Effect of Sorghum Varieties (Sorghum bicolor (L.) Moench) and Protein Levels on Chemical Composition and <i>In Vitro</i> Digestibility of Fermented Complete Feed (ADT. Dewi, <b>B. Suhartanto</b> , A Astuti, D Astuti )  | 2021                 | Key Engineering Materials 884(1):171-177                               |
| 2.  | The Effect of Sorghum Varieties on Digestibility and Nitrogen Balance of Complete Feed in Goats (ERV. Rahayu, <b>B. Suhartanto</b> , IGS. Budisatria, D. Astuti)   | 2021                 | Key Engineering Materials 884(1):184-190                               |
| 3.  | Chemical Quality and Digestibility Value in Silage of Pennisetum purpuphoides and Pennisetum purpureum Gamma with Different Levels of Molasses Supplementation (M. Fahmi, R. Utomo, <b>B. Suhartanto</b> , A. Astuti, N.Umami) | 2021                 | Key Engineering Materials 884(1):204-211                               |
| 4.  | Second regrowth phase generative characteristics of alfalfa (Medicago sativa L.) with addition of lighting duration and dolomites (B Suwignyo, F Adnan, N Umami, G Pawening, N Suseno, <b>B Suhartanto</b> )                   | 2021                 | IOP Conference Series: Earth and Environmental Science 667 (1), 012023 |
| 5.  | Effect of density between intercropped sorghum and stylosanthes on biomass production and quality under varying NPK fertilizer application rates (D. Astuti, <b>B. Suhartanto</b> , N. Umami, A. Irawan)                       | 2020                 | Journal of Crop Science and Biotechnology 23(3): 197-205               |
| 6.  | Productivity and Nutrient Content of the   | 2020                 |  |

| No. | Judul Publikasi<br><i>Publication Title</i>   | Tahun<br><i>Year</i> | Penerbit<br><i>Publisher</i>   |
|-----|---|----------------------|--|
|     | Second Regrowth Alfalfa ( <i>Medicago sativa</i> L.) with Different Photoperiod and Dolomite (B Suwignyo, FXD Kurniawan, N Suseno, R Utomo, <b>B Suhartanto</b> )   |                      | Animal Production, 22 (2), 74-81                                       |
| 7.  | Nutrient content, fiber fraction and ethanol production of three cultivars ( <i>Pennisetum purpureum</i> Scumach.) (N Umami, D Ananta, Z Bachruddin, <b>B Suhartanto</b> , C Hanim)                                     | 2020                 | E3S Web of Conferences 200, 03008                                      |
| 8.  | Effect of Cinnamon Bark Meal ( <i>Cinnamomun burmanni</i> Ness ex Bl) on In Vitro Methane Production and Rumen Methanogens Diversity (I Hadianto, LM Yusiati, Z Bachrudin, <b>B Suhartanto</b> , C Hanim, A Kurniawati) | 2020                 | IOP Conference Series: Earth and Environmental Science 478 (1), 012027 |
| 9.  | The Effect of Cutting Age and Ratooning on Growth, Production, and Nutrient Content of Brown Midrib Resistance Sorghum ( <b>B Suhartanto</b> , S Widodo, N Umami, R Prasadita, R Utomo)                                 | 2020                 | IOP Conference Series: Earth and Environmental Science 465 (1), 012027 |
| 10. | Content of Prussic Acid and Production of Sorghum Brown Midrib by Adding Urea Fertilizer and Extending Harvesting Time (N Umami, N Isnaini, <b>B Suhartanto</b> )   | 2020                 | Animal Production, 21 (2), 93-97                                       |
| 11. | Evaluation Use of Calliandra calothyrsus Substituted Soybean Meal Supplement on Feed Nutrient Intake and Digestibility in the Kacang Goat (FA Atmojo, <b>B Suhartanto</b> , IH Zulfa, K Kustantinah)                    | 2020                 | Key Engineering Materials 840, 107-112                                 |
| 12. | Degradation of Nitrogen Fraction in Kacang Goats Feed Supplementation Calliandra calothyrsus Substituted Soybean Meal (K Kustantinah, <b>B Suhartanto</b> , E Indarto, IH Zulfa, FA Atmojo)                             | 2020                 | Key Engineering Materials 840, 118-123                                 |
| 13. | Effect of planting densities and fertilization levels on the production and quality of Chicory ( <i>Cichorium intybus</i> ) in Yogyakarta, Indonesia (N Umami, MP Dewi, <b>B Suhartanto</b> , N Suseno, A Agus)         | 2020                 | IOP Conference Series: Earth and Environmental Science 425 (1), 012073 |
| 14. | Productivity, Nutrient Composition, and Hydrocyanic Acid Concentration of Super-2 Forage Sorghum at Different NPK Levels and Planting Spaces (D. Astuti, <b>B. Suhartanto</b> , N. Umami, A. Irawan)                    | 2019                 | Tropical Animal Science Journal 42 (3): 189-195                        |
| 15. | Potential of forage production on dry land agriculture with mixed cropping pattern ( <b>B Suhartanto</b> , S Widodo, ES Lestari)  | 2019                 | IOP Conference Series: Earth and Environmental Science 387 (1), 012061 |
| 16. | Effect of cinnamon bark meal ( <i>Cinnamomum burmanni</i> Ness ex Bl)   | 2019                 | IOP Conference Series: Earth and Environmental Science                 |

| No. | Judul Publikasi<br><i>Publication Title</i>   | Tahun<br><i>Year</i> | Penerbit<br><i>Publisher</i>   |
|-----|---|----------------------|--|
|     | addition as cinnamaldehyde source on in vitro nutrient digestibility (I Hadianto, LM Yusiati, Z Bachruddin, <b>B Suhartanto</b> , C Hanim)  |                      | 387 (1), 012058  |
| 17. | Growth and production of <i>Cichorium intybus</i> in the second regrowth with different planting densities in Yogyakarta, Indonesia (N Umami, I Wiratih, A Agus, <b>B Suhartanto</b> )                                | 2019                 | IOP Conference Series: Earth and Environmental Science 387 (1), 012098 |
| 18. | Effect of sorghum varieties and molasses addition on prussic acid content and of silage quality (LN Handriati, <b>B Suhartanto</b> , S Widodo, MP Dewi, N Umami)  | 2019                 | IOP Conference Series: Earth and Environmental Science 387 (1), 012062 |
| 19. | The effect of concentrate supplementation during pregnancy on calving performance in oil palm-cattle integrated system (E Endrawati, <b>B Suhartanto</b> , E Baliarti)  | 2019                 | IOP Conference Series: Earth and Environmental Science 387 (1), 012064 |
| 20. | Pengaruh Umur Panen Dan Level Pupuk Nitrogen Terhadap Produksi Dan Kandungan Nutrien <i>Sorghum bicolor</i> L. Varietas Numbu (D. Astuti, <b>B. Suhartanto</b> , B. Suwignyo, MZ. Asyiqi)                             | 2019                 | Agrinova : Journal Agro Technology Innovation 2(2): 9-16               |
| 21. | Estimation of production and quality of forage under palm oil plantations in different sections (S Martono, <b>B Suhartanto</b> , R Utomo)  | 2019                 | IOP Conference Series: Earth and Environmental Science 387 (1), 012014 |
| 22. | Effects of cinnamon bark meal ( <i>Cinnamomum burmanni</i> Ness ex Bl) as protein protection agent on in vitro rumen fermentation characteristic (I Hadianto, LM Yusiati, Z Bachrudin, <b>B Suhartanto</b> , C Hanim) | 2019                 | IOP Conference Series: Earth and Environmental Science 387 (1), 012060 |
| 23. | The Effect of Variety and Harvesting Time of Sorghum Planted in Stylosanthes Pasture on Growth, Production and Prussic Acid Content (MP Dewi, N Umami, <b>B Suhartanto</b> )  | 2019                 | Buletin Peternakan 43 (3): 166-170                                     |
| 24. | Carrying Capacity Estimation of Herbicide-Treated and Untreated Palm Oil Plantation for Bali Cows (E Endrawati, P Panjono, <b>B Suhartanto</b> , E Baliarti)  | 2019                 | Buletin Peternakan 43 (2): 130-134                                     |
| 25. | Effect of Cutting Frequency of Cassava Leaves on Composition and Production during the Dry Season (R Utomo, <b>B Suhartanto</b> , B Suwignyo, S Widodo)   | 2019                 | IOP Conference Series: Earth and Environmental Science 251 (1), 012059 |
| 26. | Effect of shading and level of nitrogen fertilizer on nutrient quality of <i>Pennisetum purpureum</i> cv Mott during wet season (S  | 2019                 | IOP Conference Series: Earth and Environmental Science 247 (1), 012007 |

| No. | Judul Publikasi<br><i>Publication Title</i>   | Tahun<br><i>Year</i> | Penerbit<br><i>Publisher</i>  |
|-----|---|----------------------|---|
|     | Widodo, <b>B Suhartanto</b> , N Umami)  |                      |   |
| 27. | Effect Of Protein Supplementation Made Of Rejects Soybean Prepared With Different Treatments On Meat Quality Of Onggole Crossbreed Cattle ( <b>Bambang Suhartanto</b> , Ristianito Utomo, Mochammad Fahmi Habibi, Dian Astuti)    | 2018                 | IFoSAC2018 – Empowering Food Sustainability, pp. 66   |
| 28. | The Effect of Planting Material on Nutrient Quality and Production of Brachiaria spp. in Yogyakarta, Indonesia (Nafiatul Umami, Slamet Widodo, <b>Bambang Suhartanto</b> , Bambang Suwignyo, Nilo Suseno and Cuk Tri Novian)      | 2018                 | Pak. J. Nutr., 17 (12): 671-676, 2018   |
| 29. | Effects of Season, Species and Botanical Fraction on Oxalate Acid in Brachiaria spp. Grasses in Yogyakarta, Indonesia (Nafiatul Umami, <b>Bambang Suhartanto</b> , Bambang Suwignyo, Nilo Suseno and Farma Herminasari)           | 2018                 | Pakistan Journal of Nutrition Vol. 17 No. 6. Page 300-305.  |
| 30. | Evaluation of nutrient composition and in vitro digestibility of Vigna radiate straw using thin tailed sheep rumen fluid as microbial source (Umami N., <b>Suhartanto B.</b> , Suwignyo B.)                                       | 2018                 | Proceedings of the 10th International Symposium on the Nutrition of Herbivores (ISNH 2018), Volume 9, Issue 3, ISSN: 2040-4700. 2-6 September 2018, Clermont-Ferrand, France, pp 379. <a href="https://symposium.inra.fr/isnh2018">https://symposium.inra.fr/isnh2018</a> .<br>Penerbit: Cambridge University Press |
| 31. | Effect of Protein Supplementation Made of Rejects Soybean Prepared with Different Treatments On Meat Quality of Ongole Crossbreed Cattle ( <b>Bambang Suhartanto</b> , Ristianito Utomo, Mochammad Fahmi Habibi, and Dian Astuti) | 2018                 | Book of Abstract : The International Food Science and Agrotechnology Conference 2018 (IFOSAC), 7 – 9 Agustus 2018, Terengganu, Malaysia. pp. 66   |
| 32. | The Effect of Planting Material On Chemical Composition, Production, And Digestibility of Brachiaria Sp (Nafiatul Umami, Widodo, <b>Bambang Suhartanto</b> )  | 2018                 | Book of Abstract : The International Food Science and Agrotechnology Conference 2018 (IFOSAC), 7 – 9 Agustus 2018, Terengganu, Malaysia. pp. 43   |
| 33. | Role of Organic Soil Amendment of Paramagnetic Humus and Compost for Rehabilitation of Post Tin-Mined Tropical Land (Cahyono Agus Dwi Koranto, Winastuti Dwi Atmanto, Ambar Pertiwinigrum, <b>Bambang Suhartanto</b> )            | 2018                 | International Journal of Smart Grid and Clean Energy Vol. 7 No. 4. Page 1-5. ISSN 2315-4462.<br><a href="http://www.ijsgce.com/">http://www.ijsgce.com/</a>   |

| No. | Judul Publikasi<br><i>Publication Title</i>  | Tahun<br><i>Year</i> | Penerbit<br><i>Publisher</i>   |
|-----|--|----------------------|--|
| 34. | Estimation of Forage Consumption of Bali Cattle Grazing on Oil Palm Plantation using Geographic Information System Method (Baliarti, E., Budisatria, I. G. S, Panjono, <b>Suhartanto, B</b> , Suwignyo, B., Agus, A., Maulana, M. & Atmoko, B. A.) | 2018                 | E-Proceedings 18th AAAP Congress 2018, 1-5 Aug. 2018, Kuching, Malaysia. pp. 86  |
| 35. | Morphological Characteristics and Biomass Production of Chicory ( <i>Cichoriumintybus L.</i> ) in Yogyakarta (Penulis ke-2 dari 7)   | 2017                 | The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 52-56. ISBN: 978-979-1215-29-9                         |
| 36. | Nutrient Composition and In Vitro Digestibility of <i>Brachiaria decumbens</i> Cv. Basilisk with Different Level of Fertilizer (Penulis ke-3 dari 4)   | 2017                 | The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 143-146. ISBN: 978-979-1215-29-9                       |
| 37. | Nutrient Adequacy of Bali Cattle Fed Only Forage Derived From Palm Oil Plantation in Riau Indonesia (Penulis ke-3 dari 4)  | 2017                 | The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 830-834. ISBN: 978-979-1215-29-9                       |
| 38. | Productivity and Quality of Forages in Grassland Merapi Post-Eruption Area, Sleman, Yogyakarta, Indonesia (Penulis ke-2 dari 6)  | 2016                 | Prosiding Simposium Nasional Penelitian dan Pengembangan Peternakan Tropik Tahun 2016. Fakultas Peternakan Universitas Gadjah Mada, Yogyakarta. ISBN: 978-979-1215-28-2, hal: 43 |
| 39. | Gulma: Nilai Nutrisi sebagai Pakan Ternak pada Perbedaan Musim (Penulis ke-5 dari 5)   | 2016                 | Prosiding Simposium Nasional Penelitian dan Pengembangan Peternakan Tropik Tahun 2016. Fakultas Peternakan Universitas Gadjah Mada, Yogyakarta. ISBN: 978-979-1215-28-2, hal: 71 |
| 40. | Embriogenesis Somatik dan Regenerasi Rumput <i>Brachiaria Decumbens</i> (Penulis ke-6 dari 6)  | 2016                 | Prosiding Simposium Nasional Penelitian dan Pengembangan Peternakan Tropik Tahun 2016. Fakultas Peternakan Universitas   |



| No. | Judul Publikasi<br><i>Publication Title</i>  | Tahun<br><i>Year</i> | Penerbit<br><i>Publisher</i>  |
|-----|--|----------------------|---|
|     |  |                      | Gadjah Mada, Yogyakarta. ISBN: 978-979-1215-28-2, hal: 72-76  |
| 41. | Potensi dan Produksi Hijauan Pakan Ternak di Lahan Pertanian Banyusoco Playen Gunung Kidul (Penulis ke-2 dari 9)                                 | 2016                 | Prosiding Simposium Nasional Penelitian dan Pengembangan Peternakan Tropik Tahun 2016. Fakultas Peternakan Universitas Gadjah Mada, Yogyakarta. ISBN: 978-979-1215-28-2, hal: 82-93   |
| 42. | Potensi Hijauan Makanan Ternak di Bawah Lahan Perkebunan Kelapa Sawit Sei Rokan Riau (Penulis ke-3 dari 13)                                      | 2016                 | Prosiding Simposium Nasional Penelitian dan Pengembangan Peternakan Tropik Tahun 2016. Fakultas Peternakan Universitas Gadjah Mada, Yogyakarta. ISBN: 978-979-1215-28-2, hal: 94-100  |
| 43. | Kondisi Hijauan Pakan Padang Penggembalaan Alam di Doroncanga Kecamatan Pekat Kabupaten Dompu Provinsi Nusa Tenggara Barat (Penulis ke-3 dari 3) | 2016                 | Prosiding Simposium Nasional Penelitian dan Pengembangan Peternakan Tropik Tahun 2016. Fakultas Peternakan Universitas Gadjah Mada, Yogyakarta. ISBN: 978-979-1215-28-2, hal: 101-106 |
| 44. | Performan Induk Sapi Bali Selama Bunting yang Dipelihara Peternak Mitra PT. Perkebunan Nusantara V Riau (Penulis ke-5 dari 14)                   | 2016                 | Prosiding Simposium Nasional Penelitian dan Pengembangan Peternakan Tropik Tahun 2016. Fakultas Peternakan Universitas Gadjah Mada, Yogyakarta. ISBN: 978-979-1215-28-2, hal: 216-221 |
| 45. | Pengaruh Proporsi Abu Vulkanik dan Jenis Cacing Tanah terhadap Kualitas Vermikompos Feses Sapi Potong (Penulis ke-4 dari 5)                      | 2016                 | Prosiding Simposium Nasional Penelitian dan Pengembangan Peternakan Tropik Tahun 2016. Fakultas Peternakan Universitas Gadjah Mada, Yogyakarta. ISBN: 978-979-1215-28-2, hal: 384-398 |
| 46. | Somatic Embryogenesis and Regeneration of <i>Brachiaria decumbens</i> from Immature Inflorescences (Penulis ke-5 dari 6)                         | 2016                 | Proceedings of The 17th Asian-Australasian Association of Animal Production Societies Animal Science Congress, 22-25  |

| No. | Judul Publikasi<br><i>Publication Title</i>   | Tahun<br><i>Year</i> | Penerbit<br><i>Publisher</i>   |
|-----|---|----------------------|--|
|     |   |                      | August 2016, Fukuoka, Japan  |
| 47. | The effect of Rejected Soybean Supplementation with Different Treatments on Onggole Crossbred Cattle Feed (Penulis ke-1 dari 4)                             | 2016                 | Proceedings of The 17 <sup>th</sup> Asian-Australasian Association of Animal Production Societies Animal Science Congress, 22-25 August 2016, Fukuoka, Japan |
| 48. | Productivity and Nutrients Quality of Two Varieties Brachiaria sp On Different Level of Fertilizer In Yogyakarta Indonesia (Penulis ke-2 dari 3)            | 2016                 | Proceedings of The 17 <sup>th</sup> Asian-Australasian Association of Animal Production Societies Animal Science Congress, 22-25 August 2016, Fukuoka, Japan |
| 49. | Study for Dominance and Nutrition of Weeds as Feed in Various Crop Land in Yogyakarta (Penulis ke-5 dari 5)   | 2016                 | Proceedings of The 17 <sup>th</sup> Asian-Australasian Association of Animal Production Societies Animal Science Congress, 22-25 August 2016, Fukuoka, Japan |
| 50. | Behaviour of Bali Cattle During Grazing in Palm Oil Plantation Riau, Indonesia (Penulis ke-2 dari 9)  | 2016                 | Proceedings of The 17 <sup>th</sup> Asian-Australasian Association of Animal Production Societies Animal Science Congress, 22-25 August 2016, Fukuoka, Japan |
| 51. | Estimation of Genetic Diversity within and among Brachiaria Sp. distribution Revealed by RAPD Marker (Penulis ke-2 dari 4)                                  | 2016                 | Proceedings of the 1 <sup>st</sup> UGM International Conference on Tropical Agriculture (ICTA), 25-26 October, 2016. Yogyakarta, Indonesia                   |
| 52. | Generative Plant Growth Characteristic Of Alfalfa ( <i>Medicago sativa</i> L.) By Additional Dolomite and Lighting Duration Treatment (Penulis ke-3 dari 7) | 2016                 | Proceedings of the 1 <sup>st</sup> UGM International Conference on Tropical Agriculture (ICTA), 25-26 October, 2016. Yogyakarta, Indonesia                   |
| 53. | Feeding Strategy of Ruminants and Its Potential Effect on Methane Emission Reduction (Penulis ke-2 dari 5)  | 2016                 | Journal of Agricultural Science; Vol. 8, No. 9; 2016. pages: 199-204. ISSN: 1916-9752 E-ISSN 1916-9760   |
| 54. | Penggunaan Fermentasi Pakan Komplit Berbasis Hijauan Pakan dan Jerami untuk Pakan Ruminansia (Penulis ke-5 dari 6)  | 2016                 | Indonesian Journal of Community Engagement Vol. 01, No. 02 Maret 2016. Pages: 255-263. ISSN: 2640-9447   |

### Courses

1. Manajemen Pastura
2. Pengantar Ilmu dan Industri Peternakan

3. Produksi Benih Tanaman Pakan
4. Sistem Pertanian Terpadu
5. Bio-Dinamika Farming Sistem
6. Ilmu Hijauan Makanan Ternak
7. Pengantar Kultur Jaringan Tanaman Pakan
8. Biodinamika dalam Pakan Ternak Gembala
9. Rekayasa Hijauan dan Teknologi Pakan
10. Teknik Penelitian Nutrisi dan Makanan Ternak
11. Budidaya Hijauan Pakan dan Pastura
12. Filosofi dan Etika Penelitian
13. Pengembangan Pakan Fungsional

**Achievements/Awards**

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