

Staff Handbook

Name	<i>Prof. Ir. Tety Hartatik, S. Pt., Ph. D., IPM.</i>		
Post	<i>Animal Breeding and Genetics</i>		
Academic career	<i>Professor (Prof)</i>	<i>Universitas Gadjah Mada</i>	<i>2019</i>
	<i>Professional Engineering (IPM)</i>	<i>Universitas Gadjah Mada</i>	<i>2018</i>
	<i>Doctorate (Developmental Genetics)</i>	<i>Chiba University, Japan</i>	<i>2002</i>
	<i>Undergraduate degree (Animal Science)</i>	<i>Universitas Gadjah Mada</i>	<i>1994</i>
Employment	<i>Professor</i>	<i>Universitas Gadjah Mada</i>	<i>2019-present</i>
	<i>Associate Professor</i>	<i>Universitas Gadjah Mada</i>	<i>2014-2019</i>
	<i>Assistant Professor</i>	<i>Universitas Gadjah Mada</i>	<i>2003-2014</i>
Research and development projects over the last 5 years	<p><i>Research projects:</i></p> <ol style="list-style-type: none"> 1. <i>Energy and Protein Balance of Bligon Goats Free Weaning Growth Period on Different Genotypes of MC4R (2020)</i> <i>Source of funds: Doctoral Dissertation Research, PTNBH-Kemenristekdikti</i> 2. <i>Application of the MC4R Gene Marker as the Basis for Selection of Bligon Goats and Etawah Crossbreeds based on Growth Characteristics and Feed Consumption (2020)</i> <i>Source of funds: PTUPT, PTNBH-Kemenristekdikti</i> 3. <i>Utilization of Leptin and MC4R Gene Markers to Mark Growth Traits of Belgian Blue and Wagyu Crossed Cattle at Weaning Age (2020)</i> <i>Source of funds: Final Project Recognition, UGM</i> 4. <i>Utilization of Melanocortin-4 Receptor (MC4R) and Leptin Gene Markers for Growth and Prolific Traits in Bligon Goats and Etawa Crossbreeds (2020)</i> <i>Source of funds: Thematic Grant for Laboratory of the Faculty of Animal Science UGM</i> 5. <i>Utilization of Molecular Markers of the MC4R and Leptin Genes for Productivity Selection of Bligon Goats (2019)</i> <i>Source of funds: Final Project Recognition Program, UGM</i> 6. <i>Detection of Molecular Markers (IGFBP 3 Genes, Leptin and MC4R) for Marking Productivity of Offspring of Belgian Blue and Wagyu Crossed Cattle (2019)</i> <i>Source of funds: Final Project Recognition Program, UGM</i> 7. <i>Monitoring the Generation of Belgian Blue Crosses with</i> 		

	<p><i>Molecular Markers of Sex-Determining Region Y (2019)</i></p> <p><i>Source of funds: Genes Basic Research, Ristekdikti</i></p> <p>8. <i>Energy and Protein Balance of Bligon Goats Free Weaning Growth Period on Different Genotypes of the MC4R Gene (2019)</i></p> <p><i>Source of funds: Doctoral Dissertation Research, Ristekdikti</i></p> <p>9. <i>Estimation of Genetic Parameters of Growth Traits and Identification of MC4R Genes in Ongole Breeds at BPTU-HPT Sembawa, Kebumen and UPT-HMT Tuban (2019)</i></p> <p><i>Source of funds: Thematic Research Grants for Laboratory of the Faculty of Animal Science UGM</i></p> <p>10. <i>Monitoring the Generation of Belgian Blue Crosses with Molecular Markers of the Sex-Determining Gene Region Y (2018)</i></p> <p><i>Source of funds: Competency-Based Research (PBK), Ristekdikti</i></p> <p>11. <i>Detection of Single Nucleotide Polymorphism Melanocortin 4 Receptor Gene and Its Relationship to Growth Traits and Feed Nutrient Intake in Bligon Goats (2018)</i></p> <p><i>Source of funds: Masters Education Research towards Doctorate for Superior Bachelors (PMDSU), Ristekdikti</i></p> <p>12. <i>Analysis of the Effect of MyoD and DLK1 Gene Expression on Skeletal Muscle Growth of Chickens from Crossed Local Chickens (Gallus gallus domesticus, Lin.. 1758) Indonesia (Continued) (2018)</i></p> <p><i>Source of funds: Masters Education Research towards Doctorate for Superior Bachelors (PMDSU), Ristekdikti</i></p> <p>13. <i>Genotyping of the Leptin Gene and its Relationship with Growth and Reproductive Traits in Dairy Cattle at BPTU-HPT Baturaden. (2018)</i></p> <p><i>Source of funds: Laboratory Thematic Grant, Faculty of Animal Science UGM</i></p> <p>14. <i>Monitoring the Generation of Belgian Blue Crosses with Molecular Markers of Sex-Determining Gene Region Y (2017)</i></p> <p><i>Source of funds: HIKOM, DIKTI</i></p> <p>15. <i>Detection of Single Nucleotide Polymorphism Melanocortin 4 Receptor Gene and Its Relationship to Growth Traits and Feed Nutrient Intake in (2017)</i></p> <p><i>Source of funds: Bligon Goats PMDSU</i></p>
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16. *Identification and Analysis of FABP4 Gene Polymorphisms and Their Relationship with Growth Traits in Ongole Breeds Kebumen Cattle (2017)*

Source of funds: Thematic Laboratory of the Faculty of Animal Science UGM

17. *Comparative Study of Genetic Marker Sequences for Reproductive Traits and Growth in Goats and Cattle (2017)*

Source of funds: Postgraduate Grant of the Faculty of Animal Science UGM

18. *Detection of Single Nucleotide Polymorphism Gene Insulin-Like Growth Factor Binding Protein-3 in Brahman Cross Crossed Cows with Wagyu and Belgian Blue and Its Relationship to Growth Traits (Chairman of 4 Researchers) (2016)*

Source of funds: PMDSU

19. *Detection of Single Nucleotide Polymorphism Melanocortin 4 Receptor Gene and Its Relationship to Growth Traits and Feed Nutrient Intake in Bligon Goats (Chairman of 4 Researchers) (2016)*

Source of funds: PMDSU

20. *Development Pattern of Bligon Goat Agro Industry Based on Core Plasma: Feasibility Study for Establishing Bligon Goat-Based Economic Zone (Member of 4 Researchers) (2016)*

Source of funds: PUPT DIKTI

21. *Identification of Purity of Kebumen Ongole Breeds Based on Cytochrome B (Cyt-b) Gene Markers and SRY Genes (Chairman of 3 Researchers) (2016)*

Source of funds: UGM Faculty of Animal Science Laboratory Thematic Research Grants

22. *Identification of Brahman Cattle Growth Traits Markers and Crossing Results of Brahman Cows (Chairman of 5 Researchers) (2016)*

Source of funds: Postgraduate Grants Faculty of Animal Science UGM

Community service over the last 5 years:

1. *Training and Application of Livestock Body Weight Estimation Formulas Using Body Size Dimensions at the Ongole Breeders Association of Kebumen (2020)*

	<p>Source of funds: Thematic Grants for Laboratory Service Faculty of Animal Science UGM</p> <p>2. Revitalization of Livestock Recording Activities at the Ongole Breeders Association of Kebumen (2019)</p> <p>Source of funds: Faculty of Animal Science Universitas Gadjah Mada</p> <p>3. Counseling on Inbreeding Prevention through Marriage Arrangements and Artificial Insemination in Kebumen Ongole Crossbreeds in Klirong District, Kebumen Regency, Central Java (2018)</p> <p>Source of funds: Thematic Service Grants Laboratory Faculty of Animal Science UGM</p> <p>4. Training on Procedures for Selection of Ongole Kebumen Cow Breeds Through Simulation of Livestock Contests in Klirong District, Kebumen Regency, Central Java Province (2017)</p> <p>Source of funds: Thematic Grant of the Faculty of Animal Science Laboratories UGM</p> <p>5. Training on Procedure for Selection of Ongole Breeds (PO) Based on Quantitative and Qualitative Characteristics in Klirong District, Kebumen Regency, Central Java (2016)</p> <p>Source of funds: Thematic Grants for the Faculty of Animal Science</p>
Industry collaborations over the last 5 years	PT Widodo Makmur Perkasa
Patents and proprietary rights	-
Important publications over the last 5 years	<p>Total number of publications: 53</p> <p>1. "Restriction Mapping of MC4R Gene on Bali Cattle (<i>Bos sondaicus</i>) as Genetic Marker for Breeding Program in Compared to <i>Bos taurus</i> and <i>Bos indicus</i> (Yoga Cipta Perdana, Tety Hartatik) (2022)</p> <p>Publisher: "Journal of Tropical Biodiversity and Biotechnology Volume 07, Issue 02 (2022): jtbb67636 DOI: 10.22146/jtbb.67636 ISSN: 2540-9581 (online) by: Faculty of Biology, UGM"</p> <p>2. Estimation of Body Weight Using Linear Body Measurements in Two Crossbred Beef Cattle (D Budiarto, Tri Satya Mastuti Widi, Panjono Panjono, I Gede Suparta Budisatria, Tety Hartatik) (2022)</p> <p>Publisher: "Advances in Biological Sciences Research, Volume</p>

18 Proceedings of the 9th International Seminar on Tropical Animal Production (ISTAP 2021) Publication Date: 24 February 2022 ISBN: 978-94-6239-542-8; ISSN: 2468-5747 <https://doi.org/10.2991/absr.k.220207.070> Published by: Atlantis Press International B.V. URL Proceeding: <https://www.atlantispress.com/proceedings/istap-21/articles> <https://www.atlantispress.com/proceedings/istap-21/125970754>"

3. *Buku Panduan Praktikum Analisis GEN MC4 (Tety Hartatik) (2022)*

Publisher: "Buku: Penerbit: Pustaka Pelajar ISBN: 978-623-236-245-1 Edisi 1, Cetakan 1 Jumlah 71 halaman. Website:pustakapelajar.co.id"

4. *Single Nucleotide Polymorphism of Partial GDF9 Gene in Three Local Goat of Indonesia Compare with Several Goat in Asia (Fatimah Az Zahra Chairunissa, Sigit Bintara, Tety Hartatik*) (2022)*

Publisher: "Buletin Peternakan 46 (1): 41 -45, February 2022 ISSN-0126-4400/E-ISSN-2407-876X Published by Faculty of Animal Science Universitas Gadjah Mada jointly with ISSTAP (Indonesian Society for Sustainable Tropical Animal Production). <https://doi.org/10.21059/buletinpeternak.v46i1.67188> <https://jurnal.ugm.ac.id/buletinpeternakan/issue/view/4816/showToc> <https://jurnal.ugm.ac.id/buletinpeternakan/article/view/67188/pdf>"

5. *Dasar Analisis Genetik pada Kambing dan Domba (T Hartatik) (2021)*

Publisher: UGM PRESS

6. *Analisis Genetika Molekuler Sapi Madura (T Hartatik) (2021)*

Publisher: UGM PRESS

7. *Identification of MC4R gene markers in Bligon goats with single and twin birth type (N Kurniawati, K Kustantinah, MDE Yulianto, T Hartatik) (2021)*

Publisher: IOP Conference Series: Earth and Environmental Science 667 (1), 012074

8. *Restriction mapping of melanocortin 4 receptor in bos taurus and bos indicus based on genbank data (Albakri, M.W., Hartatik, T.) (2020)*

Publisher: Research Journal of Biotechnology, (2021), 16(1), pp. 100–105

9. *Short communication: Identification of leptin gene in crossbred*

	<p>beef cattle (Anugratama, L.E., Hartatik, T.) (2020) <i>Publisher: Biodiversitas, 2020, 21(1), pp. 226–230</i></p> <p>10. <i>Genotyping and Chi-Square Analysis of 967 bp Leptin Gene in Bligon Goat (T Hartatik, Latifah, R Yuliana and A Kustantina) (2020)</i> <i>Publisher: IOP Conf. Series: Earth and Environmental Science 478 (2020) 012019</i></p> <p>11. <i>Single Nucleotide Polymorphism of Sex Determining Region-Y Gene Coding Sequences in Belgian Blue Bull and Wagyu Bull Crossbred Cattle (Hartatik, T., Bintara, S., Ismaya, I., ...Budisatria, I.G.S., Leroy, P.) (2020)</i> <i>Publisher: IOP Conference Series: Earth and Environmental Science, 2020, 478(1), 012020</i></p> <p>12. <i>Genotyping and Chi-Square Analysis of 967 bp Leptin Gene in Bligon Goat (Hartatik, T., Latifah,, Yuliana, R., Kustantinah, A.) (2020)</i> <i>Publisher: IOP Conference Series: Earth and Environmental Science, 2020, 478(1), 012019</i></p> <p>13. <i>Single Nucleotide Polymorphism of Sex Determining Region-Y Gene Coding Sequences in Belgian Blue Bull and Wagyu Bull Crossbred Cattle (T Hartatik, S Bintara, I Ismaya, P Panjono, B P Widyobroto, A Agus, I G S Budisatria and P Leroy) 2020</i> <i>Publisher: IOP Conf. Series: Earth and Environmental Science 478 (2020) 012020</i></p> <p>14. <i>The Genotype of Growth Hormone Gene that Affects the Birth Weight and Average Daily Gain in Crossbred Beef Cattle (2020)</i> <i>Publisher: BIODIVERSITAS Volume 21 No. 3: 941-945</i></p> <p>15. <i>Short Communication: Identification of Leptin gene in crossbred beef cattle (2020)</i> <i>Publisher: Biodiversitas Volume 21 (1), 2020: 226-230</i></p> <p>16. <i>Morphometry of Male Reproductive Organand Sperm Evaluation of Belgian Blue Crossbred Cattleasa Candidate of Superior Bull (2020)</i> <i>Publisher: Buletin Peternakan 44 (4): 200-202, November 2020</i></p> <p>17. <i>The allele and genotype distribution in SNP g. 408 C>G of the FABP4 gene in Kebumen Ongole grade cattle (2019)</i> <i>Publisher: Proceedings ISAG 37th International Society for</i></p>
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Animal Genetics Conference (2019), page 92-92. University of Lleida, 7 Juli 2019 - 12 Agustus 2019. https://www.isag.us/Docs/Proceedings/ISAG2019_Proceedings.pdf

18. *Phenotypic characteristics of Belgian Blue x Brahman Cross and Wagyu x Brahman Cross crossbred population (LLN Adi, A Agus, BP Widyobroto, IGS Budisatria, S Bintara, T Hartatik) (2019)*

Publisher: IOP Conference Series: Earth and Environmental Science 387 (1), 012036

19. *The Allele and Genotype Distribution in SNP G. 408 C> G of FABP4 Gene in Kebumen Ongole Grade Cattle (A Fathoni, D Maharani, S Sumadi, T Hartatik) (2019)*

Publisher: Proceeding 37th International Society for Animal Genetics Conference

20. *The association of SNP rs42688595 in LOC514211 gene with Indonesian-Holstein cow's reproductive traits (AP Rahayu, T Hartatik, A Purnomoadi, E Kurnianto) (2019)*

Publisher: IOP Conference Series: Earth and Environmental Science 346 (1), 012063

21. *The effect of protected soybean groats and lemuru fish oil supplementation in ration on performance of Ongole crossbred cows (J Riyanto, A Pramono, DV Aditya, E Baliarti, LM Yusiati, DT Widayati, T Hartatik, D Pamungkas) (2019)*

Publisher: IOP Conference Series: Earth and Environmental Science 387 (1), 012096

22. *The effect of sex on nutritional status of post-weaned Bligon goats under controlled feeding management (D Maharani, T Hartatik, A Warih, AS Nurjannah) (2019)*

Publisher: IOP Conference Series: Earth and Environmental Science 387 (1), 012057

23. *Estimation of 305 Day Milk Yield from Cumulative Monthly and Bimonthly Test Day Records in Indonesian Holstein Cattle (AP Rahayu, T Hartatik, A Purnomoadi, E Kurnianto) (2018)*

Publisher: IOP Conference Series: Earth and Environmental Science 119 (1), 012028

24. *Comparison Study of Melanocortin 4 Receptor in Cattle, Buffalo, Sheep and Goat Based on Genbank Data (D Maharani, T Hartatik) (2018)*

Publisher: 1st International Conference on Bioinformatics,

	<p><i>Biotechnology, and Biomedical Engineering-Bioinformatics and Biomedical Engineering, 1-6</i></p> <p>25. <i>Association of melanocortin 4 receptor gene polymorphism with growth traits in Bligon goat (L Latifah, D Maharani, A Kustantinah, T Hartatik)(2018)</i></p> <p><i>Publisher: Journal of the Indonesian Tropical Animal Agriculture 43 (4), 343-351</i></p> <p>26. <i>Identification of MC4R Gene And Its Association With Body Weight and Body Size in Kebumen Ongole Grade Cattle (2018)</i></p> <p><i>Publisher: Journal of the Indonesian Tropical Animal Agriculture Vol. 43 No. 2 Page 87-93.</i></p> <p>27. <i>Genotype Analysis of Partial Growth Hormone Gene (GH891/Mspl) in Pesisir Cattle and Simmental-Pesisir Crossbred Cattle (2018)</i></p> <p><i>Publisher: Journal of the Indonesian Tropical Animal Agriculture Vol. 43 No. 1 Page 1-8.</i></p> <p>28. <i>Haplotype Diversity of Partial Cytochrome b Gene in Kebumen Ongole Grade Cattle (2018)</i></p> <p><i>Publisher: Tropical Animal Science Journal Vol. 41. No. 1 Page 8-14.</i></p> <p><i>Identification of Phenotype and the Origin of Rambon Cattle of Indonesia (2018)</i></p> <p><i>Publisher: Sustainable Future for Human Security Page 233-241. ISBN: 978-981-10-5429-7 DOI: https://doi.org/10.1007/978-981-10-5430-3_18</i></p> <p>29. <i>SRY Gene Marker Differences in Native and Crossbreed Cattle (2018)</i></p> <p><i>Publisher: Buletin Peternakan Vol. 42 No. 3 Halaman 179-183.</i></p> <p>30. <i>Identifikasi Grade Pada Bibit Sapi Aceh Betina di Pusat Pembibitan Indrapuri (2018)</i></p> <p><i>Publisher: Jurnal Peternakan Vol: 15 No. 1 Halaman 9-14. ISSN: 1829 – 872</i></p> <p>31. <i>Sequence Analysing Journal of Animal Sciencessis and Identification of Allele Distribution of Melanocortin 1 Receptor (MC1R) Gene in Indonesian Cattle (Bos Sondaicus X Bos Indicus) (2017)</i></p> <p><i>Publisher: Asia Journal of Animal Science Vol. 11 No.1, pages: 40-46. ISSN: 1819-1878. DOI: 10.3923/ajas.2017.40.46. URL:</i></p>
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<http://scialert.net/abstract/?doi=ajas.2017.40.46>

32. *Estradiol Concentration and Estrous Behaviour in Tropical Heifers Supplemented with Undegradable Protein (2017)*

Publisher: Journal of Animal and Veterinary Advances, 2017, Vol. 16,| Issue: 1. Page No.: 24-31. ISSN: 1680-5593. DOI: 10.3923/javaa.2017.24.31.

URL:<http://medwelljournals.com/abstract/?doi=javaa.2017.24.31>

33. *Genotype of Brahman and Brahman Crosses Cattle Based on SNP in Insulin-Like Growth Factor Binding Protein-3 (IGFBP-3) Gene Sequences (2017)*

Publisher: Biodiversitas Vol. 18, No. 2, April 2017. Pages: 795-800. ISSN: 1412-033X. E-ISSN: 2085-4722. DOI: 10.13057/biodiv/d180251.

34. *Identification of Distribution Single Nucleotide Polymorphism of Cytochrome B Gene in Kebumen Ongole Grade Cattle and Brahman Cattle (2017)*

Publisher: Proceedings Abstract Book 36th International Society for Animal Genetic Conference (ISAG 2017) di Dublin, Irlandia, 16 – 21 Juli 2017. In University College Dublin (UCD).Page:75

35. *Genetic Parameter Estimation on Pra Production Traits of Alabio and Mojosari Ducks After Selection Based on Egg Production in Two Generation (2017)*

Publisher: The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 266-275. ISBN: 978-979-1215-29-9

36. *Phylogenetic Tree Analysis for Ongole Grade (Kebumen Cattle) Based on Partial SRY Gene (2017)*

Publisher: The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 681-685. ISBN: 978-979-1215-29-9

37. *Estimate the Milk Production of Friesian Holstein (Fh) Based on Incomplete Record in Balai Besar Pembibitan Ternak Unggul-Hijauan Pakan Ternak (BBPTU-HPT) Baturraden, Banyumas, Central Java (2017)*

Publisher: The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 765-768. ISBN: 978-979-1215-29-9

38. *Restriction Enzyme Mapping of MC4R Gene in Bligon Goat Using Bioedit Program (2017)*

Publisher: The 7th International Seminar on Tropical Animal

	<p><i>Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 778-781. ISBN: 978-979-1215-29-9</i></p> <p>39. <i>The Estimation of Breeding Value of Rams at Technical Implementation Unit Development Canter for Livestock Breeding in Margawati Garut, West Java (2017)</i></p> <p><i>Publisher: Proceeding of the 1st International Conference on Tropical Agriculture. Springer, Cham. (Springer Link) p-ISBN: 978-3-319-60362-9 e- ISBN: 978-3-319-60363-6</i></p> <p>40. <i>Genetic Analysis Using Partial Sequencing of Melanocortin 4 Receptor (MC4R) Gene in Bligon Goat (2017)</i></p> <p><i>Publisher: Media Peternakan, August 2017, 40(2):71-77. ISSN 0126-0472 EISSN 2087-4634. Penerbit: IPB DOI: https://doi.org/10.5398/medpet.2017.40.2.71 Available online at http://medpet.journal.ipb.ac.id/</i></p> <p>41. <i>Analisis Genetik ternak Lokal (T Hartatik) (2017)</i></p> <p><i>Publisher: UGM PRESS</i></p> <p>42. <i>Pendekatan Praktis: Deteksi Polimorfisme DNA Sapi Aceh (T Hartatik) (2017)</i></p> <p><i>Publisher: UGM PRESS</i></p> <p>43. <i>Kinerja Reproduksi Sapi Betina Sumba Ongole yang Diinseminasi dengan Semen Beku Sapi Jantan Belgian Blue (Reproductive Performances of Sumba Ongole Cows Inseminated with Frozen Belgian Blue Semen) (2017)</i></p> <p><i>Publisher: Buletin Peternakan Vol. 41 (4): 379-384., November 2017 ISSN-0126-4400 E-ISSN-2407-876X. Penerbit: Fakultas Peternakan UGM, Yogyakarta</i></p> <p>44. <i>Potensi Genomik Ternak Indigenous Indonesia sebagai Penyedia Pangan Hewani untuk Mendukung Ketahanan Pangan Nasional (Penulis Tunggal) (2016)</i></p> <p><i>Publisher: Prosiding Simposium Nasional Penelitian dan Pengembangan Peternakan Tropik Tahun 2016. Fakultas Peternakan Universitas Gadjah Mada, Yogyakarta. ISBN: 978-979-1215-28-2, halaman: 13-21</i></p> <p>45. <i>Asosiasi Gen MC4R terhadap Ukuran-Ukuran Tubuh Sapi Peranakan Ongole Kebumen pada Saat Lahir dan Sapih (Penulis ke-3 dari 5) (2016)</i></p> <p><i>Publisher: Prosiding Simposium Nasional Penelitian dan Pengembangan Peternakan Tropik Tahun 2016. Fakultas Peternakan Universitas Gadjah Mada, Yogyakarta. ISBN: 978-</i></p>
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979-1215-28-2, halaman: 163

46. *Karakteristik Eksterior dan Ukuran Tubuh Induk Kambing Bligon di Desa Banyusoco, Gunung Kidul, Yogyakarta (Penulis ke-5 dari 5) (2016)*

Publisher: Prosiding Simposium Nasional Penelitian dan Pengembangan Peternakan Tropik Tahun 2016. Fakultas Peternakan Universitas Gadjah Mada, Yogyakarta. ISBN: 978-979-1215-28-2, hal: 244-248

47. *Genetic Diversity of Ongole Crossbred Cattle in Kebumen based on MC4R Gene (Penulis ke 3 dari 8) (2016)*

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

48. *Pendekatan Praktis Deteksi Polimorfisme DNA Sapi Aceh (Penulis Tunggal) (2016)*

Publisher: Buku. Cet. 1. 159 halaman. Penerbit: Gadjah Mada University Press. ISBN: 978-602-386-090-6

49. *Short Communication: Genetic Identification of Local Pigs, and Imported Pigs (Landrace and Duroc) Based on Cytochrome b Sequence Analysis (Penulis ke-1 dari 5) (2016)*

Publisher: Journal Biodiversitas, Vol.17, No. 1, 2016, pages: 270-274. ISSN: 1412-033X

50. *Short Communication: Identification of Growth Hormone Gene Polymorphism for Beef Cattle in Pesisir Selatan District, West Sumatra, Indonesia (Penulis ke- 4 dari 4) (2016)*

Publisher: Journal Biodiversitas, Vol.17, No. 2, 2016, pages: 711-715. ISSN: 1412-033X

51. *Estimation of Breeding Value of Rams at Unit Pelaksanaan Teknis Dinas Balai Pengembangan Perbibitan Ternak Domba (UPTD-BPPT) Margawati, Garut, West Java (Penulis ke-2 dari 6) (2016)*

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

52. *Restriction Enzyme Mapping of Cytochrome B Gene on Angus Grade Cattle and Other Cattle in The World (Penulis ke-3 dari 3) (2016)*

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

	<p><i>Yogyakarta, Indonesia</i></p> <p><i>53. Identification of Single Nucleotide Polimorphism of Melanocortin 4 Receptor Gene in Bligon Goat (Penulis ke-2 dari 5) (2016)</i></p> <p><i>Publisher: Proceeding The 3rd APIS and 3rd ARCAP in Batu October 19-21, (2016)</i></p>
Activities in specialist bodies over the last 5 years	-