

Staff Handbook

Name	<i>Ir. Yustina Yuni Suranindyah, MS., Ph.D., IPM.</i>		
Post	<i>Dairy Production</i>		
Academic career	<i>Professional Engineering (IPM.)</i>	<i>Universitas Gadjah Mada</i>	<i>2018</i>
	<i>Doctorate</i>	<i>Univeristy of Aberdeen</i>	<i>2004</i>
	<i>Graduate degree</i>	<i>Universitas Gadjah Mada</i>	<i>1991</i>
	<i>Undergraduate degree</i>	<i>Universitas Gadjah Mada</i>	<i>1984</i>
Employment	<i>Associate Professor</i>	<i>Universitas Gadjah Mada</i>	<i>2008-present</i>
	<i>Assistant Professor</i>	<i>Universitas Gadjah Mada</i>	<i>2001-2008</i>
Research and development projects over the last 5 years	<p><i>Research projects:</i></p> <ol style="list-style-type: none"> <i>1. Evaluation of the Electronic Cattle Recording Application on the Performance of Dairy and Mother Dairy Cows in Sleman Regency (2020)</i> <i>Source of funds: Postgraduate Grants from the Faculty of Animal Science UGM</i> <i>2. Identification of Fertility of Holstein Friesian Breeds Dairy Cows Based on Blood Biochemical Levels and Estrogen Hormones (2019)</i> <i>Source of funds: Final Project Recognition Program, UGM</i> <i>3. Effect of Lamtoro Leaf Supplementation (Leucaena leucochepala) on Nutrient Digestibility and Milk Production Appearance of Friesian Holstein Crossbreeds (2019)</i> <i>Source of funds: Final Project Recognition Program, UGM</i> <i>4. Knowledge of Risk Management and Performance Assessment of Calfs on People's Dairy Farms in Cangkringan Sleman (2019)</i> <i>Source of funds: Thematic Research Grants for the Faculty of Animal Science Laboratory UGM</i> <i>5. Evaluation of Dairy Cattle Productivity, Motivation and Social Network of Farmers in the Sarono Makmur Farmer Group, Sleman. (2018)</i> <i>Source of funds: Laboratory Thematic Grant, Faculty of Animal Science UGM</i> <i>6. Identification of Fertility of Holstein Friesian Breeds based on Urea Nitrogen and Leptin Levels in Blood (2018)</i> <i>Source of funds: Postgraduate Grant, Faculty of Animal Science UGM</i> <i>7. Identification of Factors Affecting Fatty Acid Composition in Goat's</i> 		

	<p><i>Milk: Case Study on PE Goat Breeders in Sleman Regency (2017)</i></p> <p><i>Source of funds: Thematic Laboratory of the Faculty. UGM Farm</i></p> <p>8. <i>Dynamics of Changes in Dry Matter Intake (DMI) and Analysis of Blood Ca and P Content in the Transition Period of High-Producing FH Cows (2017)</i></p> <p><i>Source of funds: Postgraduate Grant Fak. UGM Farm</i></p> <p>9. <i>Lactation Characteristics and Evaluation of Feeding Saanen Dairy Goats at the Center for Superior Cattle Breeding and Forage Animal Feed Baturraden Purwokerto (Member of 6 Researchers) (2016)</i></p> <p><i>Source of funds: Thematic Research Grants Laboratory Faculty of Animal Science UGM</i></p> <p>10. <i>Identification of Fertility of Frisian Holstein Breeds Based on Urea Levels in Milk (Member of 3 Researchers) (2016)</i></p> <p><i>Source of funds: DIKTI Fundamentals</i></p> <p>11. <i>Feeding Strategy for Etawah Crossbreed Goats in People's Farms to Produce Quality Milk in the Business of Providing Healthy Animal Food (Chairman of 3 Researchers) (2016)</i></p> <p><i>Source of funds: PUPT DIKTI</i></p> <p><i>Community service over the last 5 years:</i></p> <p>1. <i>Assistance of Breeders for Members of the Cooperative for Business Facilities for the Prosperous Residents of Cangkringan Sleman in an Effort to Provide Dairy Cattle Seeds Independently During the 2020 Covid-19 Pandemic Period (2021)</i></p> <p><i>Source of funds: UGM</i></p> <p>2. <i>Application of the Fashion Concept in the People's Goat Milk Industry in the Special Region of Yogyakarta (2020)</i></p> <p><i>Resource of funds: Thematic Grant for Laboratory Service Faculty of Animal Science UGM</i></p> <p>3. <i>Assistance and Improvement of Feed Management during the Transition Period to Improve Reproductive Performance of Dairy Cattle in the Dairy Cattle Group Ploso Kerep, Cangkringan, Sleman (2020)</i></p> <p><i>Source of funds: Thematic Grant for Laboratory Service Faculty of Animal Science UGM</i></p> <p>4. <i>Guidance on the Implementation of Good Dairy Farming Practice for Dairy Goat Breeders in Turi and Berbah Sleman (2019)</i></p> <p><i>Source of funds: Faculty of Animal Science Universitas Gadjah</i></p>
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	<p><i>Mada</i></p> <p>5. <i>Assistance in Feed Management During the Transition Period of Dairy Cattle in the Ploso Kerep Group, Cangkringan, Sleman (2019)</i></p> <p><i>Source of funds: Faculty of Animal Science, Gadjah Mada University</i></p> <p>6. <i>Improving Milk Quality Towards Independent Milk Marketing Efforts at Andini Gotro Group, Tempel, Sleman (2018)</i></p> <p><i>Source of funds: Thematic Service Grants for the Faculty of Animal Science UGM</i></p> <p>7. <i>Dairy Cattle "Raising and Shelters" and Dairy Goats and Sheep "Raising and Sheeping". Free Lecture Materials For You Our Breeders Serve (2018)</i></p> <p><i>Source of funds: Faculty of Animal Science UGM</i></p> <p>8. <i>Development of Dairy Agroindustry Villages Based on Local Potential Through Commercialization of Goat's Milk Ice Cream (Based on Fostered Villages) 2017 LPPM-UGM</i></p> <p>9. <i>Strengthening Dairy Farmers' Groups Towards A Strong Dairy Agribusiness Concept: Implementation of Good Dairy Practices in Farmers' Groups (2017)</i></p> <p><i>Source of funds: Thematic Grants from the Faculty of Laboratories. UGM Farm</i></p> <p>10. <i>Dairy Goats and Sheep "Care and Sheep" (Free Lecture "For You Farmers We Serve")</i></p> <p>11. <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>Source of funds: Postgraduate Grant Fak. UGM Farm</i></p> <p>12. <i>Strengthening Dairy Farmers Groups Towards a Strong Dairy Agribusiness Concept: Strengthening Dairy Cattle Management (2016)</i></p> <p><i>Source of funds: Thematic Grants for the Faculty of Animal Science</i></p> <p>13. <i>Growing Farmer Motivation in Pasteurized Milk Processing to Increase Added Value of Goat's Milk in Bejo Cattle Group, Kloposawit Hamlet, Girikerto Turi Sleman (2016)</i></p> <p><i>Source of funds: Service Grants for Postgraduate Program Faculty of Animal Science UGM</i></p> <p>14. <i>Goat Reproductive Management Counseling in Jatikuning Hamlet,</i></p>
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	<p><i>Ngoro-oro Village, Patuk District, Gunungkidul Regency, DIY (2016)</i></p> <p><i>Source of funds: Faculty of Animal Science UGM</i></p> <p><i>15. 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><i>Source of funds: Independent</i></p> <p><i>16. lbM for Growing Independent Groups for Dairy Goat Breeders in Girikerto Village, Turi Sleman (2016)</i></p> <p><i>Source of funds: lbM (Science and Technology for the Community), DIKTI</i></p>
Industry collaborations over the last 5 years	-
Patents and proprietary rights	-
Important publications over the last 5 years	<p><i>Total number of publications: 48</i></p> <ol style="list-style-type: none"> <i>1. Estrous Characteristics of Lactating Saanen Ettawah Crossbred (SAPER) Does on Different Parturition (Seraphina Kumala, Yustina Yuni Suranindyah, Diah Tri Widayati) (2021)</i> <p><i>Publisher: Advances in Biological Sciences Research, Volume 18 Proceedings of the 9th International Seminar on Tropical Animal Production (ISTAP 2021)</i></p> <ol style="list-style-type: none"> <i>2. Impact of Extended Lactation on Fatty Acid Profile and Milk Composition of Dual-Purpose Tropical Goat (2020)</i> <p><i>Publisher: Pakistan Journal of Biological Sciences Vol. 23 No. 2 Hal: 113-118</i></p> <ol style="list-style-type: none"> <i>3. Blood Metabolic and Estradiol Level of Repeat Breeder and Fertile in Friesian Holstein Cross Breed Cows in the Tropic (2020)</i> <p><i>Publisher : Pakistan Journal of Biological Sciences Vol. 23 (11), 2020: 1390-1411</i></p> <ol style="list-style-type: none"> <i>4. The Effect of Supplementation of Leucaena leucocephala Leaves on Digestibility of Dry Matter and Organic Matter in Friesian Holstein Dairy Cows Rations (Nugroho, D.F., Suranindyah, Y.Y., Astuti, A.) (2020)</i> <p><i>Publisher : IOP Conference Series: Earth and Environmental Science, 2020, 478(1), 012008</i></p> <ol style="list-style-type: none"> <i>5. The correlation between blood metabolic and reproductive performance on the Holstein-Friesian crossbred dairy cows</i>

	<p>(Darmawan, M.A., Suranindyah, Y.Y., Widayati, D.T.) (2019)</p> <p><i>Publisher : IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012023</i></p> <p>6. <i>Cortisol and Blood Urea Nitrogen Profiles in Fertile and Repeat-breeder Holstein-friesian Crossbred Cows (2019)</i></p> <p><i>Publisher : Pak. J. Biol. Sci., 22 (7): 356-360, 2019</i></p> <p>7. <i>Impact of Extended Lactation on Fatty Acid Profile and Milk (2020)</i></p> <p><i>Publisher : Pak J Biol Sci . 2020 Jan;23(2):113-118</i></p> <p>8. <i>Composition of Dual Purpose Tropical Goat (2019)</i></p> <p><i>Publisher : Pakistan Journal of Biological Sciences 23 (2): 113-118, 2020</i></p> <p>9. <i>Correlation Between Blood Metabolite and Reproductive Performance of Lactating Holstein Friesian Crossbred Cows in Smallholder Farmers (2019)</i></p> <p><i>Publisher : Jurnal Kedokteran Hewan March 2019, 13(1):1-4</i></p> <p>10. <i>Biochemical and physical properties of goat feces liquid biofertilizer fermented with chicken excreta combination and different fermentation condition (Fitriyanto, N.A., Priyadi, D.A., Suranindyah, Y., Yusiati, L.M., Erwanto, Y., Kurniawati, N., Pertiwiningrum, A.) (2019)</i></p> <p><i>Publisher : IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012108</i></p> <p>11. <i>Microbiological qualities of goat milk obtained under different milking systems at a smallholder dairy farm in Yogyakarta, Indonesia (Ismiarti,, Suranindyah, Y.Y., Widodo) (2019)</i></p> <p><i>Publisher : International Journal of Dairy Science, 2019, 14(1), pp. 29–35</i></p> <p>12. <i>Evaluation of Feeding High Proportion Concentrates Containing Tofu Waste On Nutrient Consumption, Milk Production and Body Condition Score of Dairy Goat in Smallholder of Yogyakarta (2018)</i></p> <p><i>Publisher :Book of Abstract : The International Food Science and Agrotechnology Conference 2018 (IFOSAC), 7 – 9 Agustus 2018, Terengganu, Malaysia. pp.56</i></p> <p>13. <i>Milk production and composition of Etawah crossbred, Saperaw and Saperong dairy goats in Yogyakarta, Indonesia (Suranindyah, Y.Y., Khairy, D.H.A., Firdaus, N., Rochijan)(2018)</i></p> <p><i>Publisher :International Journal of Dairy Science, 2018, 13(1), pp. 1–6</i></p>
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14. *Effect of feeding high proportion concentrates containing tofu waste on nutrient consumption, milk production, body condition score and postpartum mating period of dairy goats in Yogyakarta, Indonesia (Suranindyah, Y.Y., Rochijan, Adiarto, Widyobroto, B.P., Astuti, S.D., Murti, T.W.) (2018)*

Publisher : Pakistan Journal of Nutrition, 2018, 17(12), pp. 702–708

15. *Proses Pasteurisasi Sebagai Upaya Menumbuhkan Kemandirian Pemasaran Susu Kambing di Kelompok Sukorejo I, Turi, Sleman (2018)*

Publisher : ABDIMAS ALTRUIS: Jurnal Pengabdian Kepada Masyarakat Vol. 1 No. 1 Halaman 41-46.

16. *Evaluation of Etawah Grade Die Fertility Based on Milk Urea Nitrogen Levels (2017)*

Publisher : International Journal of Dairy Science Vol. 12 No 4, 2017. Pages: 295-300

17. *Kefir Fermented with Glucomannan from Porang Tuber to Improve the Health of Metabolic Syndrome Rats (2017)*

Publisher : Proceedings of 3rd International Conference on Food and Biosystems Engineering (3rd FaBE, 2017), Yunani, 1- 4 Juni 2017. Pages: 100-109. ISBN: 978-960-9510-23-3

18. *The Quality of Pasteurized Goat Milk Processed By Smallholder In The Farmer Group (2017)*

Publisher : Proceedings of 3rd International Conference on Food and Biosystems Engineering (3rd FaBE, 2017), Yunani, 1- 4 Juni 2017. Pages: 155-162. ISBN: 978-960-9510-23-3

19. *The Influence of Social Capital on The Effectiveness of Farmers' Group Functions (2017)*

Publisher : The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 616-620. ISBN: 978-979-1215-29-9

20. *The Effect of Starting Time of Hand Milking on Lactation Period and Milk Production of Etawah Crossbred Goat in Smallholder (2017)*

Publisher : The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 850-854. ISBN: 978-979-1215-29-9

21. *The effect of litter size on feed intake and milk production of first lactating Etawah crossbred goat (2017)*

Publisher : Program and Abstract Book of the Sixth SAADC Conference, Batu 16 – 19 October 2017 "Wisdom of Using Local

	<p><i>Resources for Development of Sustainable Animal Production in Developing Countries</i>". Batu City, Indonesia. Page: 23.</p> <p>22. <i>Evaluation of Friesian Holstein Grade Cows Fertility Based the Level of Milk Urea (2017)</i></p> <p><i>Publisher : Jurnal Kedokteran Hewan, Universiyiah Kuala. Vol. 11 No. 1: 23-26. P-ISSN : 1978-225X; E-ISSN : 2502-5600.</i></p> <p>23. <i>Pengaruh Senyawa Fenol dalam Buah Mengkudu (Morinda citrifolia) terhadap Uji CMT (California Mastitis Test) Sapi Perah Mastitis Subklinis (Activity of Phenol of Morinda Citrifolia as Natural Antibacteria to Inhibit the Growth of Mastitis-Associated Bacteria). (2017)</i></p> <p><i>Publisher : Buletin Peternakan Vol. 41 (4): 392-398, November 2017 ISSN-0126-4400 E-ISSN-2407-876X. Penerbit: Fakultas Peternakan UGM, Yogyakarta</i></p> <p>24. <i>Characteristics of High Ammonium- Tolerant Arthrobacter Sp. LM1KK Isolated from High Ammonia Odorous Region of Laying Hens Farm in The Tropical Area (2017)</i></p> <p><i>Publisher : Research Journal of Microbiology Vol. 12 (2) Page: 118-127. DOI: 10.3923/jm.2017.118.127.</i></p> <p>25. <i>Identification and Growth Characters of Nitrifying Pseudomonas Sp. LS3K Isolated From Odorous Region of Poultry Farm (2017)</i></p> <p><i>Publisher : Journal of Biological Sciences Vol. 17 (1):1-10. ISSN 1727-3048. DOI: 10.3923/jbs.2017.1.10. URL:</i></p> <p>26. <i>Ability of Indigenous Microbial Consortium in the Process of Ammonia Oxidation of Livestock Waste (2017)</i></p> <p><i>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: Knowledgia Scientific.</i></p> <p>27. <i>Semi Purification and Identifications Moleculer Protein Weigh of Alkaline Protease Enzyme from Bacillus cereus LS2B (2017)</i></p> <p><i>Publisher : International Journal of Bio-Sceince 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.</i></p> <p>28. <i>Nutritional Value and In Vitro Digestibility of Shrimp Waste Fermented with Isoptericola sp. A10-1 (2017)</i></p> <p><i>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</i></p>
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29. *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

30. *Increased Physical and Morphological Properties of Edible Film Bovine Split Hide Gelatine With The Addition of SPI and Transglutaminase (2017)*

Publisher : The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 446-450. ISBN: 978-979-1215-29-9

31. *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

32. *Physical-Chemical, Microbial and Sensory Characteristics of Buffalo and Cattle Grinding Dry Cured Meat at Sunlight and Oven Drying Methods (2017)*

Publisher : The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 506-514. ISBN: 978-979-1215-29-9

33. *Preparation and characterization of protein extracted from beef heart by acid solubilization isoelectric precipitation (2017)*

Publisher : Program and Abstract Book of the Sixth SAADC Conference, Batu 16 – 19 October 2017“Wisdom of Using Local Resources for Development of Sustainable Animal Production in Developing Countries”. Batu City, Indonesia. Page: 158.

34. *Biosorption of metals ion on methanol dehydrogenase activity test of Bradyrhizobium japonicum USDA110 (2017)*

Publisher : The 2nd International Conference on Tropical Agriculture (ICTA), 2017. Program and Abstract Book. UGM, Yogyakarta, Indonesia, 26–27 October 2017. Page: 96

35. *Characterization of Pseudomonas sp. LS3K as nitrate removal agent at different C/N ratios under aerobic condition (2017)*

Publisher : The 2nd International Conference on Tropical Agriculture (ICTA), 2017. Program and Abstract Book. UGM, Yogyakarta, Indonesia, 26–27 October 2017. Page: 99

36. *DNA isolation and pig species detection on sausage with various cooking temperature and time 2017 The 2nd International*

Conference on Tropical Agriculture (ICTA), (2017)

Publisher : Program and Abstract Book. UGM, Yogyakarta, Indonesia, 26–27 October 201. Page: 131

37. *Peternakan Ayam Lokal untuk Mendukung Pemenuhan Gizi dan Peningkatan Ekonomi Keluarga (2017)*

Publisher : Presentasi Oral pada Pembekalan Pendamping Daerah Rawan Pangan, Fakultas Peternakan UGM, 10-11 Agustus 2017

38. *Produksi dan Kualitas Susu Kambing Peranakan Etawah yang Diberi Pakan Tambahan Umbi Suriname (Xanthosoma violaceum) (Author 2 of 3) (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: 211

39. *Respon Koefisien Toleransi Panas Kambing Perah Saanen terhadap Indeks Suhu dan Kelembaban Lingkungan pada Manajemen Pemeliharaan di BBPTU-HPT Baturraden (Author 4 of 7) (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: 215

40. *Penerapan Metode Kompetisi untuk Meningkatkan Pengetahuan Peternak dalam Memilih Kambing Perah (Author 2 of 9) (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: 359-363

41. *The Effect of Supageslementation Ginger (Z. Officinale) Powder on Fedd Consumption, Milk Production and Components of Goat (Author 1 of 3) (2016)*

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

42. *Performance and Profit of Feeding Expired Milk Powder for Pre Weaning Kids of Etawah Crossed Bred in a Farmer Group (Author 3 of 3) (2016)*

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

	<p>43. <i>Identification of Reproductive Performance of Ettawa crossed Breed Goats on Different Body Condition Score Using Vaginal Smear (Author 6 of 6) (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>44. <i>Farmer's Motives in Raising Ettawa Crossbred Goat in Yogyakarta, Indonesia (Author 2 of 4) (2016)</i></p> <p><i>Publisher : International Business Management Vol: 10 (14), 2016, pages: 2706-2712. Indexed by Scopus. DOI: 10.3923/ibm.2016.2706.2712. Publised by: Medwell Journall, ISSN: 1993-5250</i></p> <p>45. <i>Innovation Adoption of Dairy Goat Farmers in Yogyakarta, Indonesia (Author 3 of 3) (2016)</i></p> <p><i>Publisher : International Journal of Environmental & Agriculture Research (IJOEAR), Vol. 2, Issue 2, February 2016, pages : 98-109, Thomson Reuters, Impact Factor: 1.238. Publised by: AD Publications Sector-3, MP Colony, Bikaner, India, ISSN: 2454-1850</i></p> <p>46. <i>The Relationship Between Leadership Type, Work Motivation, Training of Employee, and Physical Work Environment Toward Employee's Performance of Fastfood Company in Yogyakarta Indonesia (2016)</i></p> <p><i>Publisher : Global Advanced Research Journal of Management and Business Studies Vol. 51 (1) pages: 018-025. ISSN: 2315-5086</i></p> <p>47. <i>Development of Fermented Mare's Milk Using Mixed Probiotic Cultures (Author 6 of 6) (2016)</i></p> <p><i>Publisher : Media Peternakan Volume 39, Issue 1, 2016, pages: 9-13</i></p> <p>48. <i>The Impact of Balanced Energy and Protein Supplementation to Milk Production and Quality in Early Lactating Dairy Cows (Author 5 of 5) (2016)</i></p> <p><i>Publisher : Journal of the Indonesian Tropical Animal Agriculture Vol. 41(2):83-90. ISSN: 2460-6278</i></p>
<p>Activities in specialist bodies over the last 5 years</p>	<p>-</p>