

Staff Handbook

Name	<i>drh. Bambang Ariyadi, M.P., Ph.D.</i>		
Post	<i>Biotechnology</i>		
Academic career	<i>Doctorate</i>	<i>Hiroshima University</i>	<i>2014</i>
		<i>I Japan</i>	
	<i>Graduate degree</i>	<i>Universitas Gadjah Mada</i>	<i>2006</i>
	<i>Undergraduate degree</i>	<i>Universitas Gadjah Mada</i>	<i>2001</i>
Employment	<i>Assistant Professor</i>	<i>Universitas Gadjah Mada</i>	<i>2019-present</i>
Research and development projects over the last 5 years	<p><i>Research projects:</i></p> <ol style="list-style-type: none"> 1. <i>Evaluation of Cinnamon Oil Nano-Particles and Drinking Water Temperature on Antimicrobial Activity and Small Intestine Histomorphology of Broiler Chickens (2020)</i> <i>Source of Funds: Doctoral Dissertation Research, PTNBH-Kemenristekdikti</i> 2. <i>Effect of Feed Restriction by Fasting on Production Performance, Intestinal Morphology, and Blood Profile of Broiler Chickens (2020)</i> <i>Source of Funds: Thematic Grant of the Faculty of Animal Science Universitas Gadjah Mada</i> 3. <i>Production of Microencapsulated Probiotics of Indigenous Lactic Acid Bacteria and Their Ability to Improve Immune Response and Intestinal Health of Chickens (2019)</i> <i>Source of Funds: Leading University Applied Research, Ristekdikti</i> 4. <i>The GUSTOR® and essential oils influences small intestinal histology and growth performances in broiler (2019)\</i> <i>Source of Funds: Norel Nutrition, Spain</i> 5. <i>The Use of Indigenous Lactic Acid Bacteria Probiotic Encapsulations One Day Its Effect on Production Performance, Intestinal Morphology and Histology of Turkey's Immune Organs (2019)</i> <i>Source of Funds: Thematic Grant of the Faculty of Animal Science Universitas Gadjah Mada</i> 6. <i>Effect of Drinking Water Temperature on Growth Performance, Small Intestine Histomorphology and Stress Levels of Broiler Chickens (2019)</i> <i>Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants</i> 7. <i>Use of Nano-Particle Technology on Phytobiotics and Its Effect on Growth Performance, Digestive Health and Quality of Broiler Chicken (2018)</i> <i>Source of Funds: Masters Education Research towards Doctorate</i> 		

	<p><i>for Superior Bachelors (PMDSU), Ristekdikti</i></p> <p>8. <i>Antimicrobial and Immunomodulator Effects of Indonesian Local Herbs: Application of Nano-Particles in Broiler Chickens (2018)</i></p> <p><i>Source of Funds: Masters Education Research towards Doctorate for Superior Bachelors (PMDSU), Ristekdikti</i></p> <p>9. <i>Production of Microencapsulated Probiotics of Indigenous Lactic Acid Bacteria and Their Ability to Improve Immune Response and Intestinal Health of Chickens (2018)</i></p> <p><i>Source of Funds: Leading University Applied Research (PTUPT), Ristekdikti</i></p> <p>10. <i>Egg Protein Profile and Small Intestine Histomorphology of Layer Chickens on the Provision of Indigenous Lactic Acid Bacteria and Herbs Sekuntum Mircocapsules 2018 Postgraduate Grant, Faculty of Animal Science UGMPemetaan Agribisnis Ayam Broiler Berwawasan Lingkungan Melalui Pendekatan Model Structure-Conduct Performance Didukung Peran Ekonomi Veteriner (2017)</i></p> <p><i>Source of Funds: PUPT DIKTI</i></p> <p>11. <i>Antimicrobial and Immunomodulator Effects of Indonesian Local Herbs: Application of Nano-Particles in Broiler Chickens (2017)</i></p> <p><i>Source of Funds: PMDSU DIKTI</i></p> <p>12. <i>12. The Use of Nano-Particle Technology on Phytobiotics and Its Effect on Growth Performance, Digestive Health and Quality of Broiler Chicken Meat (2017)</i></p> <p><i>Source of Funds: PMDSU DIKTI</i></p> <p>13. <i>The Effect of Physical Form of Feed on Production Performance, Intestinal Histomorphology, and Overview of Lactic Acid Bacteria in Broiler Intestines (2017)</i></p> <p><i>Source of Funds: Thematic Grant of the Laboratory of the Faculty of Animal Science UGM</i></p> <p>14. <i>Effect of Blue Lighting on Production Performance and Behavior of Broiler Chickens (Member of 7 Researchers) (2016)</i></p> <p><i>Source of Funds: Thematic Grant for Laboratory of the Faculty of Animal Science UGM</i></p> <p>15. <i>Effects of Indigenous Probiotic Supplementation of Encapsulated Lactic Acid Bacteria on Production Performance and Histology of Turkey Immune Organs in Starter Phase (Members of 7 Researchers) (2016)</i></p> <p><i>Source of Funds: Postgraduate Grant from Faculty of Animal Science UGM</i></p> <p>16. <i>Genetic Analysis, Feather Conditions and Immune Genes in Legund Chickens from Marriages between Legund Chickens on Growth and Egg Production (Sole Researcher) (2016)</i></p>
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	<p><i>Source of Funds: PUPT DIKTI</i></p> <p>17. <i>Use of Nano-Particle Technology on Phytobiotics and Its Effect on Growth Performance, Digestive Health and Quality of Broiler Chicken Meat (Member of 4 Researchers) (2016)</i></p> <p><i>Source of Funds: PMDSU DIKTI</i></p> <p>18. <i>Antimicrobial and Immunomodulatory Effects of Indonesian Local Herbs: Application of Nano-Particles in Broiler Chickens (Member of 4 Researchers) (2016)</i></p> <p><i>Source of Funds: PMDSU DIKTI</i></p> <p><i>Community Service over the last 5 years</i></p> <p>1. <i>Assistance to Village Chicken Farmers in Kuwon Ponjong Hamlet in Producing Super Jowo Chicks (Joper) Using Various Local Males for Enlargement Business (2020)</i></p> <p><i>Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada</i></p> <p>2. <i>Education of Zoonotic Parasitic Diseases as an Effort to Prevent Worms in SDN 2 Bunder Students (2019)</i></p> <p><i>Source of Funds: BPPTN BH</i></p> <p>3. <i>Guiding Dusun Kuwon Ponjong Breeders in Produce Jowo Super Chicks (Joper) to Overcome Difficulties in Procuring Seeds for Group Members for Enlargement Efforts (2019)</i></p> <p><i>Source of Funds: Faculty of Animal Science, Gadjah Mada University and Islamic Boarding School</i></p> <p>4. <i>Skills Improvement of Sido Rukun Duck Farming Group, Bulu Hamlet, Jogotirto Village, Berbah District, Sleman (2019)</i></p> <p><i>Source of Funds: Faculty of Animal Science, Universitas Gadjah Mada</i></p> <p>5. <i>Development of Feed and Health Management by Implementing the Use of Leaf Protein Feed in the Menthok Sleman Farmer Group, Tirtomartani Kalasan Sleman Yogyakarta (2019)</i></p> <p><i>Source of Funds: Faculty of Animal Science, Universitas Gadjah Mada</i></p> <p>6. <i>Training and Assistance for Super Village Chicken Cultivation for Santri and Communities Around the "Baitul Qur'an" Islamic Boarding School in Karangjijo Kulon Hamlet, Ponjong Village, Ponjong District, Gunung Kidul Regency (2018)</i></p> <p><i>Source of Funds: Thematic Service Grants for the UGM Faculty of Animal Science Laboratory and Baitul Qur'an Islamic Boarding School</i></p> <p>7. <i>Training and Practice on Making Day-old Super Village Chicks (DOC) at the "Cindelaras" Farming Group, Wates Dam Village,</i></p>
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	<p><i>Kulon Progo Yogyakarta (2018)</i></p> <p><i>Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants</i></p> <p>8. <i>Business Assistance for Super Village Chickens with a Model After Two Weeks of Age to Reduce Feed Costs in the Ngudi Mulya Farmer Group, Gobeh Hamlet, Bendungan Village, Semin District, Gunung Kidul Regency (2017)</i></p> <p><i>Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada</i></p> <p>9. <i>Training on Raising Super Village Chicken Skills for Individual Orphanage Children at the “Bina Insani” Orphanage, Sombangan Hamlet, Sumbersari Moyudan Village, Sleman Yogyakarta (2017)</i></p> <p><i>Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants</i></p> <p>10. <i>The Super Model of Javanese Kampung Chicken No-Return on Interest in the Tunas Karya Group, Dusun Danen, Sumberadi Mlati Sleman (2016)</i></p> <p><i>Source of Funds: Laboratory Thematic Research Grants, Faculty of Animal Science Universitas Gadjah Mada</i></p> <p>11. <i>Improving the Skills of Mulyo Adi Duck Breeders Group, Sadon Hamlet, Sendang Mulyo Village, Minggir District, Sleman (2016)</i></p> <p><i>Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Postgraduate Research Grants</i></p> <p>12. <i>Integrated Local Potential-Based Community Empowerment for Food Independent, Energy Independent, and Prosperous Productive Communities in Kerek, Jenu, and Merakurak Districts, Tuban Regency, East Java (2016)</i></p> <p><i>Source of Funds: BPPTNBH</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: 31</i></p> <p>1. <i>The Effect of Nano Zinc Dietary Supplementation on Growth Performance of KUB Chickens (N H D Larasati, B Ariyadi, N D Dono) (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>2. <i>Cinnamon bark oil and coconut oil emulsions modified small intestinal motility and barrier function in laying hens in an ex vivo</i></p>

	<p>experiment (Baskara, A.P., Sharma, S., Sener-Aydemir, A., Koger, S., Ariyadi, B., Dono, N.D., Zuprizal, Z., Metzler-Zebeli, B.U.) (2021)</p> <p>Publisher: British Poultry Science, 2021</p> <p>3. The use of nanoencapsulation god's crown (<i>Phaleria macrocarpa</i>) fruits extract in drinking water on growth performance in broiler chickens (N Ningsih, B Ariyadi)(2021)</p> <p>Publisher: Jurnal Ilmu Peternakan Terapan 4 (2), 84-91</p> <p>4. Effect of self-nanoemulsifying drug delivery system (SNEDDS) of cinnamon bark essential oil on broiler chicken performance (Baskara, A.P., Ariyadi, B., Dono, N.D., Martien, R., Zuprizal, Z.) (2020)</p> <p>Publisher: Livestock Research for Rural Development, 2020, 32(6)</p> <p>5. The potential use of essential oil nanoemulsion as a novel alternative to antibiotics in poultry production-A review (Baskara, A.P., Ariyadi, B., Dono, N.D., Martien, R., Zuprizal, Z.) (2020)</p> <p>Publisher: Iranian Journal of Applied Animal Science, 2020, 10(2), pp. 203–212</p> <p>6. Analisis Potensi Supply Ayam Broiler Untuk Mendukung Pertumbuhan Ekonomi Di Kabupaten Sleman Yogyakarta (R Widiati, TA Kusumastuti, S Andarwati, B Ariyadi) (2020)</p> <p>Publisher: Seminar Nasional: Sekolah Tinggi Penyusunan Pertanian (STPP) Magelang, pp. 189-198</p> <p>7. Hubungan Hygiene Sanitasi Dengan Keberadaan Bakteri <i>Escherichia Coli</i> Pada Depot Air Minum Isi Ulang (Damiu) Dikecamatan Cimanuk Dan Cipeucang Kabupaten Pandeglang 2020 (B Ariyadi, H Sasmita, UW Somantri, ES Nurkhalizah) (2020)</p> <p>Publisher: Jurnal Bahana Kesehatan Masyarakat (Bahana of Journal Public Health) 4(2): 56-61</p> <p>8. Pengaruh Pembatasan Pakan Dengan Cara Pemuasaan Satu Kali Seminggu Terhadap Performa Produksi Ayam Broiler (B Ariyadi, W Wihandoyo, S Sudaryati, H Sasongko, MF Habibi, A Nugroho) (2020)</p> <p>Publisher: Prosiding Seminar Teknologi Agribisnis Peternakan (Stap) Fakultas Peternakan Unsoed, 7: 328-336</p> <p>9. Growth of probiotics for poultry in glucose yeast pepton media, production of biomass, viability and stability after encapsulation with spray drying (Harimurti, S., Ariyadi, B., Wihandoyo., Akhirini, N., Pradipta, M.S.I.) (2019)</p> <p>Publisher: IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012130</p> <p>10. Antibacterial effects of essential oils of <i>Cymbopogon citratus</i> and</p>
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	<p><i>Amomum compactum</i> under self-nanoemulsifying drug delivery system (SNEDDS) (Ujilestari, T., Martien, R., Ariyadi, B., Dono, N.D., Zuprizal) (2019)</p> <p>Publisher: IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012071</p> <p>11. Effects of feed form on small intestine histomorphology of broilers (Ariyadi, B., Sudaryati, S., Harimurti, S., Wihandoyo, Sasongko, H., Habibi, M.F., Rahayu, D.O) (2019)</p> <p>Publisher: IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012047</p> <p>12. The effect of different feed forms on the performance and carcass yield of broiler chickens (Habibi, M.F., Harimurti, S., Wihandoyo, Sasongko, H., Ariyadi, B., Sudaryati, S., Sekarlangit, K., Putri, Y.S.) (2019)</p> <p>Publisher: IOP Conference Series: Earth and Environmental Science, 2019, 387(1), 012050</p> <p>13. The effect of nanoencapsulated <i>Phaleria macrocarpa</i> Fruits Extract in drinking water on Jejunal Histomorphology of Broiler Chickens (Ningsih, N., Ariyadi, B., Dono, N.D., Supadmo., Zuprizal) (2019)</p> <p>Publisher: Tropical Animal Science Journal, 2019, 42(2), pp. 106–112</p> <p>14. Optimization of self-nanoemulsifying drug delivery systems of lemongrass (<i>Cymbopogon citratus</i>) essential oil (Ujilestari, T.R.I., Ariyadi, B., Martien, R., Zuprizal., Dono, N.D.) (2019)</p> <p>Publisher: International Journal of Applied Pharmaceutics, 2019, 11(1), pp. 144–149</p> <p>15. Self-nanoemulsifying drug delivery system (SNEDDS) of <i>Amomum compactum</i> essential oil: Design, formulation, and characterization (Ujilestari, T., Martien, R., Ariyadi, B., Dono, N.D., Zuprizal) (2018)</p> <p>Publisher: Journal of Applied Pharmaceutical Science, 2018, 8(6), pp. 14–21</p> <p>16. Formulation and characterization of self-nano emulsifying drug delivery systems of lemongrass (<i>cymbopogon citratus</i>) essential oil (T Ujilestari, ND Dono, B Ariyadi, R Martien, Z Zuprizal) (2018)</p> <p>Publisher: Malaysian Journal of Fundamental and Applied Sciences 14 (3), 360-363</p> <p>17. Effect of nano-encapsulation of noni (<i>Morinda citrifolia</i>) fruit extract on jejunal morphology and microbial populations in laying hens (Choiri, Z., Danar Dono, N., Ariyadi, B., Hanim, C., Martien, R., Zuprizal) (2017)</p> <p>Publisher: Pakistan Journal of Nutrition, 2017, 17(1), pp. 34–38</p>
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18. *Effects of Areca catechu seed and Anredera cordifolia leaf on Ascaridia galli infection in the domestic chicken (Gallus gallus domesticus) (Prastowo, J., Herawati, O., Ariyadi, B., Kurniasih) (2017)*
- Publisher: International Journal of Poultry Science, 2017, 16(12), pp. 494–499*
19. *The Use of Nano-Encapsulation of Morinda citrifolia Fruit Extract in Drinking Water as Phytobiotic Based Feed Additive in Laying Hens (Penulis ke-4 dari 5) (2017)*
- Publisher: The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 235-239. ISBN: 978-979-1215-29-9*
20. *Antibacterial Activity of Phaleria macrocarpa Fruit Extracts: An In Vitro Study (Penulis ke-2 dari 3) (2017)*
- Publisher: Proceedings of The 2nd International Conference on Animal Nutrition and Environment (ANU-NUE2017). 1-4 November 2017. Volume II. Pages: 270-274. Tropical Feed Resources Research and Developmnet Center (TROFREC), Department of Animal Science, Faculty of Agriculture, Khon Kaen University.*
21. *Formulation and Characterization of Cinnamon Bark Essential Oil (Cinnamomum burmanii) Nanoemulsion as Poultry Feed Additive Candidate (Penulis ke-2 dari 5) (2017)*
- Publisher: The 7th International Seminar on Tropical Animal Production (ISTAP), September 12-14, 2017, Yogyakarta, Indonesia. Pages: 357-362. ISBN: 978-979-1215-29-9*
22. *Effects of Areca Catecho Seed and Anredrea cordifolia Leaf on Ascaridia galli Infection in the Domestic Chicken (Gallus gallus domesticus) (Penulis ke-3 dari 4) (2017)*
- Publisher: International Journal of Poultry Science. p-ISSN 1682-8356 e-ISSN: 1682-8356. Online first. DOI: 10.3923/ijps.2017*
23. *International Journal of Poultry Science, 2017, 16(12), pp. 494–499 (2017)*
- Publisher: International Journal of Poultry Science, 2017, 16(12), pp. 494–499*
24. *International Journal of Poultry Science, 2017, 16(12), pp. 494–499 (2016)*
- Publisher: International Journal of Poultry Science, 2017, 16(12), pp. 494–499*
25. *Pengaruh Modal Sosial terhadap Tingkat Kesejahteraan Rumah Tangga Peternak : Studi Kasus pada Kelompok Peternak Ayam Ngudi Mulyo, Gunung Kidul (Penulis ke-2 dari 4) (2016)*
- Publisher: Prosiding Simposium Nasional Penelitian dan Pengembangan Peternakan Tropik Tahun 2016. Fakultas*

	<p><i>Peternakan Universitas Gadjah Mada, Yogyakarta. ISBN: 978-979-1215-28-2, hal: 320</i></p> <p>26. <i>Expression of Mucin 2 Glycoproteins Forming the Mucosal Barrier of the Gut in Indonesian Indigenous Naked Neck Chickens and Normal Feathered Chickens (Penulis ke-1 dari 6) (2016)</i></p> <p><i>Publisher: International Journal of Poultry Science Vol. 15 No. 9, 2016. Pages: 379-383. ISSN :1682-8356</i></p> <p>27. <i>Reproductive Performance and Expression of Mucosal Barrier in the Lower Segment of Oviduct between Indonesian Native Neck and Normal Feathered Chicken (Penulis ke-1 dari 6) (2016)</i></p> <p><i>Publisher: Proceeding of the 17th AAAP Animal Science Congress. Fukuoka, Japan</i></p> <p>28. <i>The effect of Lighting Regimens on Broiler Growth: 1. On the Productive Performance (Penulis ke-4 dari 6) (2016)</i></p> <p><i>Publisher: Proceeding of the 17th AAAP Animal Science Congress. Fukuoka, Japan</i></p> <p>29. <i>The Effect of Lighting Regimens on Broiler Growth: 2. On the Weekly T3 and T4 Concentration (Penulis ke-4 dari 6) (2016)</i></p> <p><i>Publisher: Proceeding of the 17th AAAP Animal Science Congress. Fukuoka, Japan</i></p> <p>30. <i>The Effect of Lighting Regimens on Broiler Growth: 3. Status of Corticosteroid Hormone and Feeding (Penulis ke-6 dari 7) (2016)</i></p> <p><i>Publisher: Proceeding of the 17th AAAP Animal Science Congress. Fukuoka, Japan</i></p> <p>31. <i>International Journal of Poultry Science, 2017, 16(12), pp. 494–499 (2016)</i></p> <p><i>Publisher: International Journal of Poultry Science, 2017, 16(12), pp. 494–499</i></p>
<p>Activities in specialist bodies over the last 5 years</p>	<p>-</p>

