

CURRICULUM VITAE



DWI WIJAYANTI, S.PT., M.SI., PH.D.

DATE OF BIRTH : 12-09-1991



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WORK EXPERIENCE

**ASSIST. PROFESSOR/
PERJUANGAN UNIVERSITY OF TASIKMALAYA**

2017-present

(Department of Animal Science, Faculty of Agricultural)

Responsible for carrying out teaching and research duties. involved in the administration of degree courses as well as responsible for organizing lectures and supervising seminars.

EXPERTISE

Animal Breeding

EDUCATION

- 2019-2023 **Doctoral (Ph.D)** in College Animal Science and Technology, Northwest Agriculture & Forestry University, China.
- 2014-2016 **Master of Animal Science (M. Si)** in Diponegoro University Semarang, Central Java Indonesia.
- 2010-2014 **Bachelor's degree (S.Pt.)** in Department Animal Science, Diponegoro University Semarang, Central Java Indonesia

HONOUR AND AWARDS

- 2026 Research and community service grant from the Ministry of Education and Culture from the Indonesian government (**Regular Fundamental Research** scheme for the fiscal year 2026)
- 2026 Research and community service grant from the Ministry of Education and Culture from the Indonesian government (**fostered village empowerment scheme-second year**)
- 2025 **Speaker** in the 5th Series of Summer Course Program Orientation to Diverse Fields in Animal Science in Indonesia- Diponegoro University
- 2025 **Awarded a Regular Grant for Utility Model** (Paten Sederhana) and named Distinguished Participant in the Patent Application Drafting Training



LANGUAGES - ENGLISH - MANDARIN - INDONESIA	2025	Reviewer of research proposals for funding from the National Research and Innovation Agency (BRIN) on a national and international
	2025	National journal accreditation assessor in Indonesia
	2025	Research and community service grant from the Ministry of Education and Culture from the Indonesian government (fostered village empowerment scheme-first year)
SKILLS Possess certain experimental operation techniques: Artificial insemination procedure, estrus synchronization, blood sampling of goats, sheep and cattle Sperm sample collection, sperm quality inspection (macro and micro), Histopathology, Blood sample testing, DNA: design primers, extract and detect DNA, PCR amplification, electrophoresis, sequencing, etc. RNA: RNA extraction, reverse transcription, real-time fluorescent quantitative PCR, ability to use relevant scientific research software and Office software more proficiently	2025	Successfully qualified as a Faculty Supervisor for the 2025 National Student Scientific Competition (PIMNAS)
	2024	Research and community service grant from the Ministry of Education and Culture from the Indonesian government
	2022	Outstanding Young Scientist Award from ISO AWARDS International Scientist Awards
	2022	Successful online courses at College of Life Science, Harvard University
	2022	Successful online summer courses at the Department of Animal Science, Diponegoro University, Indonesia
	2019	Council Government Scholarship to pursue a PhD in China
	2019	Outstanding Young Teacher Award of University.
	2019	Received internal research grants from university (PDP)
	2018	Incentives of Reputable International Journal from Ministry of Research, Technology and Higher Education of the Republic of Indonesia (USD1480.64)
	2018	Research grant from the Ministry of Education and Culture from the Indonesian government
	2017	Winner II of Essay Competition
	2017	Received internal research grants from university (PDP)
	2009	Second Winner at the National Scientific Writing Competition.

VOLUNTEER EXPERIENCE OR LEADERSHIP

- **2026.** Council member of the first council of Northwest A&F University International Alumni Association





- **2025.** Editorial Team- Journal of the Indonesian Tropical Animal Agriculture-JITAA
 - **2025.** Chairman of Institute of Education Development and Quality Insurance (LP3M) in Perjuangan University of Tasikmalaya
 - **2024.** Chairman of Institute for Research and Community Service (LPPM) and Institute of Education Development and Quality Insurance (LP3M) in Perjuangan University of Tasikmalaya
 - **2023.** Vice Dean of Agriculture Faculty in the Perjuangan University of Tasikmalaya
 - **2023.** Editor journal of Journal of the Indonesian Tropical Animal Agriculture and Wildlife and ecology
 - **2021.** Volunteer English teacher for elementary school in China
 - **2020.** Participation in the essay solicitation activity of “perception of China, our anti epidemic story”
 - **2020.** Concern and support for China in fighting against the pandemic through the video
 - **2021.** Performed excellent in the volunteer work in Happy International Children’s Day & Build one dream in NWAUFU, China
 - **2021.** Participation in event of new generation of international communication
 - **2021.** Editor in Journal of Application Science and Technology (JAST)
 - **2019-present.** Editor In Chief in Bulletin of Applied Animal Research (BAAR)
 - **2019-Present.** Reviewer in Journal of Applied Animal Research, Animal biotechnology, Veterinary word, Cogent Food and Agriculture, Gene, Small of Ruminant Research, Journal Animal and Veterinary Sciences, Tropical Animal Science Journal
 - **2016-2019.** Writing Clinic of International Scientific Article
 - **2018.** Phenomenal Participation on Annual World Class Professor seminar
 - **2018-present.** Fostering the creativity unit of students in the field of scientific writing
 - **2017-present.** Member of the ISPI, Indonesia
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PUBLICATION

1. Lestari, D. A., Mustofa, F., Sutopo, S., **Wijayanti, D.**, Febriana, A., Kamalludin, M. H., ... & Setiaji, A. (2026). Single-Nucleotide Polymorphisms of Insulin-Like Growth Factor-I (IGFI) Gene in Goat and Their Association with Growth Traits. *Reviews in Agricultural Science*, 14(2), 1-15.
2. Darusman, A. D., **Wijayanti, D.**, Rismasari, R., & Ardigurnita, F. (2026). Estimation of Body Weight Through Body Morphometrics of Garut Sheep at the UPTD BPPTDK Margawati, Garut. *Bulletin of Applied Animal Research*, 8(1), 23-31.
3. Sutresna, E., **Wijayanti, D.**, & Kusmayadi, A. (2026). The Effect of Additional Papaya Leaf Flour on the Physical Quality of Mineral Molasses Block. *Bulletin of Applied Animal Research*, 8(1), 32-42. <https://doi.org/10.36423/baar.v8i1.2371>
4. Rismasari, **Dwi Wijayanti**, Fahrudin Darlian, Putri Indah Ningtias, & Andri Kusmayadi. (2026). Evaluation of Superovulation Results on in Vivo Embryo Production in Three Different Cows Breeds at The Livestock Embryo Center. *Jurnal Peternakan Nusantara*, 12(1), 1-18. <https://doi.org/10.30997/jpn.v12i1.18415>
5. **Wijayanti, D.**, Kusmayadi, A., & Setiaji, A. (2025). Application of principal component factor analysis to identify key morphological traits in Garut ewes. *Journal of Advanced Veterinary Research*, 15(6), 843-846.
6. **D Wijayanti**, F Ardigurnita, N Frasiska, NFF Ihsan, AD Darusman. Effect of parity and type of birth on reproduction performance of Garut Ewes in Indonesia. *Bulletin Peternakan*, 2025; 49(1): 313-318
7. Abuzahra M, **Wijayanti D**, Effendi MH, Mustofa I, Munyaneza JP, Moses IB. Improved Litter Size in Thin-Tailed Indonesian Sheep Through Analysis of TGFI Gene Polymorphisms. *Vet Med Int*. 2025;2025:7778088. Published 2025 Apr 21. doi:10.1155/vmi/7778088
8. FD Astuti, D Prasetianti, **D Wijayanti**, FT Kamila, S Sugiharto, A Setiaji. Long-Term Egg Production Curve Fitting Using Nonlinear Models For Superior Local Chicken of Indonesia. *Poultry Science Journal* 2025;13 (1):p59. 10.22069/psj.2024.22319.2064
9. Nurfaizin, N., Astuti, F. Dwi, Prasetiyanti, D., **wijayanti, D.**, Kamila, F. Tasya, Sugiharto, S., Setiaji, A. Long-Term Egg Production Curve Fitting Using Nonlinear Models For Superior Local Chicken of Indonesia. *Poultry Science Journal*, 2025; 13(1): 59-67. doi: 10.22069/psj.2024.22319.2064
10. AbuzahraM., **WijayantiD.**, EffendiM. H., Mustofal., MunyanezaJ. P., EidL. A., & UgboE. N. (2024). Association of a Synonymous SNP of INHA Gene with Litter Size Trait in Indonesian Thin-Tailed Sheep. *Tropical Animal Science Journal*, 47(3), 273-279. <https://doi.org/10.5398/tasj.2024.47.3.273>
11. Abuzahra M, Al-Shuhaib MBS, **Wijayanti D**, et al. A novel p.127Val>Ile single nucleotide polymorphism in the MTNR1A gene and its relation to litter size in Thin-tailed Indonesian ewes. *Animal Bioscience*. 2025 Feb;38(2):209-222. DOI: 10.5713/ab.24.0187. PMID: 38938032.
12. Li L, Jin T, Chen S, Cao H, Ma Y, Fang W, Wang Y, Liu Q, Zheng L, **Wijayanti D**, Dong W. Exploring novel function of Gpx5 antioxidant activity: Assisting epididymal cells secrete functional extracellular vesicles. *J Cell Physiol*. 2024 Jun;239(6):e31273. doi: 10.1002/jcp.31273. Epub 2024 Apr 26. PMID: 38666419.
13. **Wijayanti, D.**, & Rismasari, R. (2025). Physiological Response of Dairy Goats Based on Differences in Age and Measurement Time.
14. Lestari, D. A., Hasna, F. N., Fadlilah, R., Alfaruq, M. N., Philco, S. V., Sutopo, S., **Wijayanti, D** & Setiaji, A. (2025). Identification of mutation points in the prolactin (PRL) gene as genetic marker

- candidate in Kedu chicken. *Journal of Advanced Veterinary Research*, 15(6), 890-892.
15. Abuzahra M, **Wijayanti D**, Effendi M H, Mustofa I, Eid L A. 2024. Estimate the effect of non-genetic factors on the reproductive traits of Afec-Assaf strain in Bani Naim Farm, Palestine. *Jurnal Ilmu Ternak dan Veteriner*, 29 (1): 9-12.
 16. **Wijayanti D**, Zhang S, Yang Y, Bai Y, Akhatayeva Z, Pan C, Zhu H, Qu L, Lan X. 2022. Goat SMAD family member 1 (SMAD1): mRNA expression, genetic variants, and their associations with litter size. *Theriogenology*.193:11-19. doi: 10.1016/j.theriogenology.2022.09.001. JCR: 2.923/Q1
 17. **Wijayanti D**, Erdenee S, Akhatayeva Z, Li H, Li J, Cai Y, Jiang F, Xu H, Lan X. 2022. Genetic polymorphisms within the ETAA1 gene associated with growth traits in Chinese sheep breeds. *Animal genetics*, 10.1111/age.13197. JCR: 2.884/Q1
 18. **Wijayanti D**, Bai Y, Hanif Q, Chen H, Zhu H, Qu L, Guo Z, Lan X. Goat CLSTN2 gene: tissue expression profile, genetic variation, and its associations with litter size [published online ahead of print, 2022 Aug 18]. *Anim Biotechnol*. 2022;1-10. doi:10.1080/10495398.2022.2111311. JCR : 2.141/Q2
 19. **Wijayanti D**, Zhang S, Bai Y, Pan C, Chen H, Qu L, Guo Z, Lan X. 2022. Investigation on mRNA expression and genetic variation within goat SMAD2 gene and its association with litter size. *Anim Biotechnol*. 1-9. doi:10.1080/10495398.2022.2077214. JCR: 2.141/Q2
 20. **Wijayanti D**, Bai Y, Zhu H, Qu L, Guo Z, Lan X. 2022. The 12-bp Indel in the SMAD family member 2 gene is associated with goat growth traits. *Anim Biotechnol*. 1-10. doi:10.1080/10495398.2022.2144342. JCR: 2.141/Q2.
 21. **Wijayanti D.**, Luo Y, Bai Y, Pan C, Qu L, Guo Zhengang, Lan X. 2023. New insight into the copy number variations of the SMAD2 gene and their association with litter size and semen quality. *Theriogenology*.
 22. M. Abuzahra, **D. Wijayanti**, M. H. Effendi, I. Mustofa, J. P. Munyaneza, L. A. Eid, E. N. Ugbo. 2024. Association of a Synonymous SNP of INHA Gene with Litter Size Trait in Indonesian Thin-Tailed Sheep. *Tropical Animal Science Journal*, 47(3):273-279.
 23. Raza SHA, **Wijayanti D**, Pant SD, Abdelnour SA, Hashem NM, Amin A, Wani AK, Prakash A, Dawood MA O, Zan L. 2022. Exploring the physiological roles of circular RNAs in livestock animals. *Research in veterinary science*, 152, 726–735. <https://doi.org/10.1016/j.rvsc.2022.09.036>
 24. Abuzahra, M., **Wijayanti, D.**, Effendi, M.H., Mustofa, I. and Lamid, M., 2023. Association study of melatonin receptor 1 A with litter size in sheep: A review. *F1000Research*, 12, p.900.
 25. Luo Y, Zhang M, Guo Z, **Wijayanti D**, Xu H, Jiang F, Lan X. 2023. Insertion/deletion (InDel) variants within sheep fat-deposition-related gene PDGFD strongly affect growth traits. *Animals*, 13(9), 1485; <https://doi.org/10.3390/ani13091485>
 26. Zheng J, Deng T, Jiang E, Li J, **Wijayanti D**, Wang Y, Ding X, Lan X. Genetic variations of bovine PCOS-related DENND1A gene identified in GWAS significantly affect female reproductive traits. *Gene*. 802, 145867. doi: 10.1016/j.gene.2021.145867. JCR: 3.913/Q2(SJR=0.92)
 27. Norah A AI, Raza SHA, BinMowyna, MN, Aldawsari RD, Abdelnour, SA, Hamid MA, **Wijayanti D**, Eldin AK, Wani AK, Zan L. 2022. The potential therapeutic role of Camel Milk Exosomes. The potential therapeutic role of Camel Milk Exosomes. *Annals of Animal Science*, 23 (2) 353–362 . <https://doi.org/10.2478/aoas-2022-0072>
 28. Abuzahra, M., **Wijayanti, D.**, Effendi, M.H., Mustofa, I. and Eid, L.A., 2024. Estimate the effect of non-genetic factors on the reproductive traits of Afec-Assaf strain in Bani Naim Farm, Palestine. *Jurnal Ilmu Ternak dan Veteriner*, 29(1), pp.9-15.

29. **Wijayanti, D.**, Ardigurnita, F. and Saddam, B., 2023. In Vitro Analysis of Parijoto (*Medinilla speciosa*) Wild Fruit Extract Feed Digestibility in *Capra hircus*. *Journal of Wildlife and Ecology*, 7, pp.227-235.
30. Li, L., Jin, T., Chen, S., Cao, H., Ma, Y., Fang, W., Wang, Y., Liu, Q., Zheng, L., **Wijayanti, D.** and Dong, W., Exploring novel function of Gpx5 antioxidant activity: Assisting epididymal cells secrete functional extracellular vesicles. *Journal of cellular physiology*.
31. **Wijayanti D**, Ardigurnita F. 2020. Effects of parijoto (*Medinilla speciosa*) fruit extract on body temperature, respiratory frequency and profile of white blood cells in etawa crossbred goat). *Agripet*. 20 (1): 96-105. doi: 10.17969/agripet.v20i1.15074
32. **Wijayanti D**, Setiatin ET, Kurnianto E. 2016. Effects of binahong leaf extract (*Anredera cordifolia* (Ten) Steenis) against red blood profiles in guinea pigs (*Cavia Cobaya*). *Journal Sains Veteriner*. 34(1): 75-83. Doi: 10.22146/jsv.22818
33. **Wijayanti D**, Setiatin ET, Samsudewa D. 2016. Effect of binahong leaf solution on shortening the phase of the combined uterus involvement of Etawah breeds based on the typology of cervical ferning and vagina. *Animal Agriculture Journal*. 3(1): 52-60.
34. **Wijayanti D**, Setiatin ET, Kurnianto E. 2017. Study on postpartum estrus of guinea pig (*Cavia cobaya*) using *Anredera cordifolia* leaf extract. *Veterinary world*. 10(4): 375-379. doi:10.14202/vetworld.2017.375-379. (Veterinary World, Q2) SJR=0.46
35. **Wijayanti D**, Setiatin ET, Kurnianto E. 2018. Leucocyte profile and offspring production of guinea pig (*Cavia cobaya*) given *Anredera cordifolia* leaf extract. *Journal of Indonesian Tropical Animal Agriculture*. 43(1): 19-25. doi:10.14710/jitaa.43.1.19-25. Q3. SJR=0.18
36. **Wijayanti D**, Ardigurnita F. 2019. Potential of parijoto (*medinilla speciosa*) fruits and leaves in male fertility. *Animal Production*. 20 (2), 81-86. doi: 10.20884/1.jap.2018.20.2.685.
37. **Wijayanti D**, Ardigurnita F. 2020. Kualitas tampilan vulva dan tanda-tanda berahi pada kambing peranakan etawah yang diberi ekstrak buah parijoto (*Medinilla speciosa*). *Jurnal Penelitian Ilmu Peternakan* 18 (1), 31-37. doi: 10.20961/sainspet.v18i1.34258
38. **Wijayanti, D.**, Fitria, A. D., Hikmatyar, M., Rahwana, K. A., Nuranisa, R., Kamila, A. R., ... & Triyawan, Y. Y. (2026). Development of concentrate-combined silage technology for sustainable waste management and enhanced goat productivity in Kahuripan Urban Village. *Abdi Dosen: Jurnal Pengabdian Pada Masyarakat*, 10(1), 180-186.
39. Fitria, A. D., **Wijayanti, D.**, Rahwana, K. A., & Hikmatyar, M. (2026). Soil Fertility Management Training for Urban Women Farmers Using PUTK and PUPO: A Participatory Rural Appraisal Approach in KWT Roay Lestari, Indonesia. *ABDIMAS: Jurnal Pengabdian Masyarakat*, 9(1), 536-544.
40. **Wijayanti D**, Setiatin ET, Kurnianto E. 2019. Perubahan histopatologi ovarium, uterus, dan ginjal marmut (*Cavia cobaya*) yang diberi ekstrak daun binahong (*Anredera cordifolia*). *Jurnal Veteriner*. 20(2): 269-278.
41. Kusmayadi, A., Mardianingrum, R., **Wijayanti, D.**, & Yanti, Y. (2025). The effect of mangosteen rind extract nanocapsule as a feed additive on the growth performance and blood lipid profile of broiler chicken. *Open Veterinary Journal*, 15(6), 2762-2762.
42. Wulansari PD, **Wijayanti D**. 2020. Karakteristik fisik, kimia dan mikrobiologi sabun susu kambing. *Jurnal Pangan dan Agroindustri*. 8 (3): 145-153. Doi: 10.21776/ub.jpa.2020.008.03.4
43. Hartati R, **Wijayanti D**. 2019. Pengaruh force molting terhadap produksi telur tetas dan fertilitas induk ayam broiler. *Bulletin of Applied Animal Research*. 1(1): 22-25.
44. **Wijayanti D**, Setiatin ET, Kurnianto E. 2019. Toxicity effect by binahong (*Anredera cordifolia*) leaf extract in histopathology and liver weight of guinea pigs (*Cavia cobaya*). *Buletin Peternakan*. 43(2): 103-108. doi: 10.21059/buletinpeternak.v43i2.39487.



CONFERENCE

1. **2025.** The 2nd International Seminar on Sustainable Ruminant and Poultry Production in the Tropics (ISSRP).
2. **2024.** AMONG: Prosiding Seminar Nasional Pengabdian kepada Masyarakat. Peningkatan Nilai Pakan di Pure Fresh Dairy Farm melalui Teknologi Pembuatan Silase dan Pemasaran berbasis E-Commerce.
3. **2024.** AMONG: Prosiding Seminar Nasional Pengabdian kepada Masyarakat. Diversifikasi Produk dan Implementasi E-Commerce Sebagai Pendorong Pemasaran di Pure Fresh Dairy Farm.
4. **2019.** 10th National Seminar on Sustainable Livestock "The Role of Applicative Livestock Technology in Accelerating the Achievement of SDG's and the Role of Universities in Community Empowerment".
5. **2017.** 9th National Seminar on Sustainable Livestock Development "Challenges of the Livestock World in Increasing the added value and competitiveness of resources". Histopathology of Uterus and Ovary Postpartum on *Cavia cobaya* treated with *Anredera cordifolia* Extract.
6. **2016.** Proceedings of the National seminar "Participation of master's in animal science education in preparing Quality Human Resources". Administration of Binahong *Anredera cordifolia* Leaf Extract on Erythrocyte Count in *Cavia Cobaya* guinea pigs.
7. **2016.** National Seminar on Technology, Entrepreneurship and Economic Empowerment of Food Security and Economic Independence of Islamic Boarding Schools. Application of the Dairy Cattle Recoding Card System to the MUKTI Giri Cattle Group in Guranteng Tasikmalaya.