Staff Handbook

Name	*Prof. Ir. Agung Purnomoadi, M.Sc., Ph.D*		
Post	*Teaching area: Meat Animal production* *Designation: Undergraduate and Graduate program*		
Academic career	*Initial academic appointment*	*Institution*	*Year*
	Ph.D. in Animal Science	*Tokyo University of Agriculture, Japan*	*1997*
	M.Sc. in Animal Science	*Tokyo University of Agriculture, Japan*	*1992*
	Bachelor in Animal Science	*Universitas Gadjah Mada*	*1986*
Employment	*Position*	*Employer*	*Period*
	Lecturer	*Universitas Diponegoro*	*1987-present*
Research and development projects over the last 5 years	*Name of project or research focus :* *Environmentally friendly Meat animal production system*		
Industry collaborations over the last 5 years	*Project title:* *no*		
Patents and proprietary rights	*Title*		*Year*
	no		
Important publications over the last 5 years	- *Hastarina, R., **Purnomoadi, A**., Sutopo, S., Lestari, D.A., Mustofa, F., Gariri, P.N., Prahara, P.G., Kamila, F.T., Philco, S.V., Da'i, M.A.M., Setiaji, A. (2025). Analysis of genetic diversity and phylogenetic relationships among Indonesian native cattle breeds using microsatellite markers: A review. Veterinary World, 18(4), pp. 1036–1046. (10.14202/vetworld.2025.1036-1046)* - *Purwasih, R., Saindah, M., Triyuwanti, H., Yusuf, F.S., **Purnomoadi, A**., Purbowati, E., Sutaryo, S. (2025). Optimizing Methane Production from Anaerobic Digestion of Dairy Cow Manure: The Potential Use of Carica (Carica pubescens) Seeds as a Co-Substrate. Tropical Animal Science Journal, 48(1), pp. 37–44. (10.5398/tasj.2025.48.1.37)* - *Adiwinarti, R., Kustantinah, Rusman, Rianto, E., **Purnomoadi, A**., Arifin, M., Sutaryo, & Restitrisnani, V. (2025). Primal cuts of carcass and meat characteristics of kacang goat fed total mixed ration containing different sources of ruminally undergraded protein. Online Journal of Animal and Feed Research, 15(1), 33–40. (10.51227/ojafr.2025.5)* - *Rianto E, Restitrisnani V, Sutaryo S, Mawati S, **Purnomoadi A**, Endang Purbowati E, Adiwinarti R, Karim MH, Machfiroh PKA, Ulfa N, Mustikasari AR, Setiawan DW, Farkhan F, Septian MD, Luthfi N (2025). Analysis of swamp buffalo (Bubalus bubalis) farming business and its*		

	productivity in central java province, Indonesia. Adv. Anim. Vet. Sci. 13(3): 544-551. https://dx.doi.org/10.17582/journal.aavs/2025/13.3.544.551 - *Purwasih, R., Sutaryo, S., Purbowati, E., **Purnomoadi, A**. (2024). Evaluation of germination as pretreatment method to increase methane production: A case study in papaya seed. Case Studies in Chemical and Environmental Engineering, 10, 100788. (10.1016/j.cscee.2024.100788)* - *Sutaryo, S., Nikolas, J., Ufidiyati, N., Setiyani, I., Luthfi, N., Adiwinarti, R., **Purnomoadi, A**. (2024). The Effect of Including Indigofera (Indigofera zollingeriana) Leaf Meal in the Ration on the Productivity of Growing Male Rabbits. Journal of Animal Health and Production, 12(4), pp. 522–527. (10.17582/journal.jahp/2024/12.4.522.527)* - *Abeng, D., Sutaryo, S., **Purnomoadi, A**., Susanto, S., Purbowati, E., Adiwinarti, R., Purwasih, R., Widiharih, T. (2024). Optimization of methane production from dairy cow manure and germinated papaya seeds using response surface methodology. Case Studies in Chemical and Environmental Engineering, 10, 100927. (10.1016/j.cscee.2024.100927)* - *Rianto E, Luthfi N, Adiwinarti R, **Purnomoadi A**. (2024). Body composition of thin-tailed lambs under different feeding levels. Adv. Anim. Vet. Sci. 12(10): 1948-1954. https://dx.doi.org/10.17582/journal.aavs/2024/12.10.1948.1954* - *Prima, A., Restitrisnani, V., Purbowati, E., Rianto, E., **Purnomoadi, A**. (2024). Unlocking environmental and nutritional benefits: the crucial link between protein-energy balance and livestock sustainability in lamb production. Livestock Research for Rural Development, 36(5).* - *Luthfi, N., Rianto, E., Purbowati, E., Lestari, C.M.S., **Purnomoadi, A.,** Mukminah, N. (2024). Rumen Fluid Profile, Methane Emission and Nitrogen Excretion of Young and Mature Kacang Goats Under Different Feeding Levels. Journal of Animal Health and Production, 12(3), pp. 420–428. (10.17582/journal.jahp/2024/12.3.420.428)* - *Idayanti, R.W., Istianah, I., Putri, S.N.H., Fauziah, A.N., Murniyadi, Z., Esnadewi, L.G., Purbowati, E., Arifin, M., **Purnomoadi, A.** (2024). Productivity, Carcass Traits, and Meat Quality of Local Lambs Fed with Carica pubescens Seeds Meal. Tropical Animal Science Journal, 47(1), pp. 87–96. (10.5398/tasj.2024.47.1.87)* - *Yousaf, M.R., Widiawati, Y., **Purnomoadi, A.**, Widodo, S., Shakeel, F., Rakhmani, S.I.W., Rohaeni, E.S., Parastiwi, H., Andreas, E.M.W., Miraya, N., Ahmed, B. (2024). The effectiveness of dried seaweed Eucheuma cottonii on in vitro rumen fermentation and enteric methane production. Brazilian Journal of Biology, 84, e286929. (10.1590/1519-6984.286929)* - *Adiwinarti, R., Rianto, E., Purbowati, E., Restitrisnani, V., & **Purnomoadi, A**. (2023). Comparative feed management system in sheep fed different physical forms of ration containing Ipomoea aquatica on the performance, rumen characteristics, and chewing activity. Journal of Advanced Veterinary and Animal Research, 10(4), pp. 677–684. (10.5455/javar.2023.j723)* - *Sutaryo, S., Sempana, A.N., Prayoga, I., Chaniaji, F.G., Dwitama, S.D., Sugandi, N.F., **Purnomoadi, A.,** Ward, A.J. (2023). Increased methane*

	yield from dairy cow manure by co-substrate with Salvinia molesta. Asia Pacific Journal of Science and Technology, 28(3), APST-28-03-07. (10.14456/apst.2023.39) - *Oje-Adetule, B.T., Sutaryo, S., Pratama, D.W., **Purnomoadi, A**. (2023). Utilization of pineapple crown to enhance methane production of dairy cow manure. Livestock Research for Rural Development, 35(1).* - *Mahardhika, E.A., Hikmah, V.M., Sutaryo, S., **Purnomoadi, A**. (2022). The effect anaerobic co-digestion Kans grass (Saccharum spontaneum) and dairy cow manure on biogas digester performance. Livestock Research for Rural Development, 34(12).* - *Luthfi, N., Adiwinarti, R., **Purnomoadi, A.,** & Rianto, E. (2022). Effect of feeding level on growth rate, carcass characteristics and meat quality of thin tailed lambs. Journal of the Indonesian Tropical Animal Agriculture, 47(4), pp. 290–300. (10.14710/jitaa.47.4.290-300)* - *Sutaryo, S., Sempana, A.N., Mulya, R.M., Sulistyaningrum, D., Ali, M.S., Damarjati, R.I., Purbowati, E., Adiwinarti, R., **Purnomoadi, A**. (2022). Methane Production of Pistia Stratiotes as a Single Substrate and as a Co-Substrate with Dairy Cow Manure. Fermentation, 8(12), 736. (10.3390/fermentation8120736)* - *Restitrisnani, V., Pangestu, E., Rianto, E., Kurihara, M., Nabila, F., Adiwinarti, R., & **Purnomoadi, A**. (2022). Early fattening and improving feeding quality of Kejobong goats could reduce methane production and improve meat production. Journal of the Indonesian Tropical Animal Agriculture, 47(1), pp. 55–64. (10.14710/jitaa.47.1.55-64)* - *Rasuli, N., Bintoro, V.P., **Purnomoadi, A**., Nurwantoro, N. (2021). The shelf life of buffalo meat marinated with pomegranate (Punica granatum) peel extract. Journal of Advanced Veterinary and Animal Research, 8(4), pp. 612–618. (10.5455/javar.2021.h552)* - *Sutaryo, S., Adiwinarti, R., Sudrajad, M.A., Sari, T.Y.K., Khayati, L.N., Ward, A.J., & **Purnomoadi, A.** (2021). Enhancing methane production of dairy cow manure by co-digestion with modified cassava flour waste water. Livestock Research for Rural Development, 33(6).*		
Activities in specialist bodies over the last 5 years	*Organisation:* *National Boards on Mitigation of GHG from Animal - Ministry of Agriculture*	*Role:* *Member*	*Period:* *Since 2018*