

DAFTAR PUSTAKA

- Abdollahi, M.R., Zaefarian, F. and Velmurugu, V. 2018. Feed intake response of broilers: Impact of feed processing. *Animal Feed Science and Technology.*, 237: 154-165. doi: <https://doi.org/10.1016/j.anifeedsci.2018.01.013>
- Acheampong, S. 2024. Future of Broiler Farming: Trends, Challenges, and Opportunities. <https://doi.org/10.5772/intechopen.1006556>
- Andriani Y, Hutape A.A, Zidni I, Lili W. and Wiyatna MF. 2021. Literature review on fermentation factors of restaurant organic waste affecting feed quality. *Depik*, 10 (3): 277-283. www.jurnal.unsyiah.ac.id/depik
- Attia, Y. A., Al-Khalaifah, H., Alqhtani, A. H., Abd El-Hamid, H. S., Alyileili, S. R., Abd El-Hamid, A. E., Bovera, F. and El-shafey, A. A. 2022. The impact of multi-enzyme fortification on growth performance, intestinal morphology, nutrient digestibility, and meat quality of broiler chickens fed a standard or low-density diet. *Frontiers in Veterinary Science*, 9. <https://doi.org/10.3389/fvets.2022.1012462>
- Alfonso, A. A. R., Cirot, O., Lambert, W. and Létourneau, M. M. P. 2022. Effect of low-protein corn and soybean meal-based diets on nitrogen utilization, litter quality, and water consumption in broiler chicken production: insight from meta-analysis. *Animal*, 16(3), 100458. <https://doi.org/10.1016/j.animal.2022.100458>
- Azevedo, J. M., Reis, M. de P., Gous, R. M., Dorigam, J. C. de P., Lizana, R. R. and Sakomura, N. K. 2021. Response of broilers to dietary balanced protein. Determining the optimum economic level of protein. *Animal Production Science*, 61(14), 1435–1441. <https://doi.org/10.1071/AN20656>
- Badan Pusat Statistik. 2023. Produksi Tanaman Sayur. Badan Pusat Statistik Indonesia. Jakarta Pusat.
- Borey, M., Estelle, J., Caidi, A., Bruneau, N., Coville, J.L., Antier, C.H., Grasteau, S.M. and Calenge, F. 2020. Broilers divergently selected for digestibility differ for their digestive microbial ecosystems. *PLoS ONE.*, 5(5): e0232418. <https://doi.org/10.1371/journal.pone.0232418>
- Boyd, C.E., McNevin, A.A. and Davis, R.P. 2022. The contribution of fisheries and aquaculture to the global protein supply. *Food security.*, 14(3): 805–827. <https://doi.org/10.1007/s12571-021-01246-9>

- Chantana, C. 2023. Two-stage evaporative cooler for mushroom-growing houses in hot and humid climates. *Journal of Agricultural Science and Technology*, 25(2), 457–468. <https://doi.org/10.52547/jast.25.2.457>
- Davison, C., Michie, C., Tachtatzis, C., Andonovic, I., Bowen, J. and Duthie, C.A. 2023. Feed Conversion Ratio (FCR) and performance group estimation based on predicted feed intake for the optimisation of beef production. *Sensors*, 23(10): 4621 <https://doi.org/10.3390/s23104621>
- Fadel, M., Hamed, A. A., Abd, E. A. M., Ghanem, M. M. E. and Roshdy, A. M. 2021. Cellulases and animal feed production by solid-state fermentation by *Aspergillus fumigatus* NRCF-122 mutant. *The Egyptian Journal of Chemistry*, 64(7), 3511–3520. <https://doi.org/10.21608/EJCHEM.2021.62744.3347>
- Fonseca, S. C. 2014. Modelling the influence of time and temperature on the respiration rate of fresh oyster mushrooms. *Journal Food Science and Technology International*. Vol 21 : 593-603.
- Gaitan, H. R., López, P. D., Esqueda, M. and Gutiérrez, A. 2019. Review of bioactive molecules production, biomass, and basidiomata of Shiitake culinary-medicinal mushrooms, *Lentinus edodes* (Agaricomycetes). *International Journal of Medicinal Mushrooms*, 21(9), 841–850. <https://doi.org/10.1615/INTJMEDMUSHROOMS.2019031849>
- Ginindza G, Mbatha K. R. and Ng'ambi, J. 2022. Dietary crude fiber levels for optimal productivity of male ross 308 broiler and venda chickens aged 1 to 42 days, *Animals*, vol. 12, no. 10, pp. 1333. <https://doi.org/10.3390/ani12101333>
- Gonzalez, M. G., Talegón, G., Aguirre, L., Corrales, N. L. and Lazaro, R. 2024. Nutrient requirements of broilers: an overview of factors affecting feed formulation. *Burleigh Dodds Series in Agricultural Science*, 3–34. <https://doi.org/10.19103/as.2024.0143.01>
- Guntoro, E. J. 2014. Evaluasi kualitas nutrisi kulit dan biji durian fermentasi dengan *Phanerochaete chrysosporium* dan *Neurospora crassa*. Thesis. Fakultas Peternakan. Universitas Andalas, Padang.
- Hagan, B. A., Asumah, C., Yeboah, E. D. and Lamptey, V. K. 2022. Modeling the growth of four commercial broiler genotypes reared in the tropics. *Tropical Animal Health and Production*, 54(1). <https://doi.org/10.1007/s11250-022-03082-1>
- Idris, S.M., Eltom, K.H., Okuni, J.B., Ojok, L., Elmagzoub, W.A., Elwahed, A.A., Eltayeb, E.S. and Gameel, A.A. 2022. Paratuberculosis: the hidden killer of small ruminants. *Animals*, 12(1): 12 <https://doi.org/10.3390/ani12010012>

- Khabibi, F. M. 2024. Analysis of raw materials and production process of broiler feed crumble type B-BR 1 MGB. *Procedia of Engineering and Life Science*. <https://doi.org/10.21070/pels.v7i0.1500>
- Khan, S., Ahmad, T., Anjum, M. A., Abbas, A., Khan, M. U., Azhar, M. A. and Yousaf, M. S. 2021. Influence of dietary supplementation of essential amino acids on growth performance, nutrient digestibility, and gut health of broiler chickens fed low-protein diets. *Tropical Animal Health and Production*, 53(4), 1-10.
- Khalid, H. 2011. Principles of poultry Science Poultry Industry. Diyala University College of Agriculture Dept. Of Animal Resource. Irak. Hal.62
- Laoli, V.Y., Nuraini and Mirzah. 2019. Quality improvement of durian waste and tofu waste fermented with *Pleurotus ostreatus*. *International Journal of Environment, Agriculture and Biotechnology (IJEAB)*., 4(5). <https://dx.doi.org/10.22161/ijeab.45.32>
- Li, X., Wu, X., Ma, W., Xu, H., Chen, W. and Zhao, F. 2023. Feeding behavior, growth performance and meat quality profile in broiler chickens fed multiple levels of xylooligosaccharides. *Animals*., 13(16): 2582. <https://doi.org/10.3390/ani13162582>
- Maharjan, P., Martinez, D.A., Weil, J., Suesuttajit, N., Umberson, C., Mullenix, G., Hilton, K.M., Beitia, A. and Coon, C.N. 2021. Physiological growth trend of current meat broilers and dietary protein and energy management approaches for sustainable broiler production. *Animal*., 15: 100284 <https://doi.org/10.1016/j.animal.2021.100284>
- Martinez, D., Weil, J. T., Suesuttajit, N., Umberson, C., Scott, A. and Coon, C. N. 2022. The relationship between performance, body composition, and processing yield in broilers: A systematic review and meta-regression. *Animals*, 12(19), 2706. <https://doi.org/10.3390/ani12192706>
- Nisengwe, J. F., Gill, T., Ader, D. and Goertz, H. 2021. A spatial analysis of feed conversion ratio: a case study of broiler chickens in musanze district, northern rwanda. *African Geographical Review*, 1–14. <https://doi.org/10.1080/19376812.2021.1945467>
- Nuraini. dan Mahata, M. E. 1998. Pemanfaatan biji durian (*Durio zibhethinus*) sebagai pengganti jagung dalam ransum broiler. Lembaga Penelitian. Universitas Andalas, Padang.
- Nuraini. Mahata, M. E. dan Nirwansyah. 2012. Potensi lignolitik dan selulolitik *Phanerochaete chrysosporium* dan karatenoid monokalin dari *Monascus purpureus* dalam meningkatkan kualitas kulit buah kakao sebagai pakan ternak. Laporan Strategi Nasional. Universitas Andalas, Padang.

- Nuraini, Djulardi, A. dan Mahata, M. E. 2017. Pakan Non Konvensional Fermentasi untuk Unggas. Sakabina Press, Padang.
- Nuraini, Djulardi, A. dan Yuzaria, D. 2019. Limbah Sawit Fermentasi Sebagai Pakan Unggas. Andalas University Press, Padang.
- Nuraini, Mirzah, and Harnentis. 2021. Limbah Buah Durian Fermentasi untuk Unggas. Sukabina Press.
- Nuraini, Trisna, A., Ramadhan, R.F., Mustabi, J. And Mirzah. 2024. *Durio zibethinus* waste (DzW) as a potential poultry feed: enhancement through fungal fermentation. Proceeding ICAPFS.
- Nychyk, O., Barton, W., Rudolf, A.M., Cotter, P.D., Speakman, J.R. and Nilaweera, K.N. 2021. Protein quality and quantity influence the effect of dietary fat on weight gain and tissue partitioning via host-microbiota changes. Cell Reports., 35(6): 109093 doi: . <https://doi.org/10.1016/j.celrep.2021.109093>
- Oktavia, H., Rochmi, S. E., Suprayogi, T. W. and Legowo, D. 2021. Weight gain and feed conversion of broiler chickens in reviewed from cage temperature and humidity. 2(1), 5–9. <https://doi.org/10.20473/JAVEST.V2.I1.2021.5-9>
- Pizolotto, W., Costa, M. M., Gasperin, N. Z., Rodrigues, L. B., Santos, L. R. d. and Pilotto, F. 2024. Economic and productive performance of broilers subjected to quantitative feed restriction. Acta Veterinaria Brasilica, 18(2), 173–178. <https://doi.org/10.21708/avb.2024.18.2.12410>
- Ponnusamy, C., Suddandrao, V.V.S., Pudhupalayam, S.P., Singaravel, S., Periyasamy, T., Ponnusamy, P., Prabhu, P., Sasikumar, V. and Ganapathy, S. 2022. *Lentinula edodes* (Edible Mushroom) as a nutraceutical: A review. biosciences, biotechnology research asia., 19(1): 1-11. doi: <https://doi.org/10.13005/bbra/2964>
- Prasetyo, A. dan Ratnasari, R. 2019. Analisis nutrisi ampas tahu dalam pakan unggas. Jurnal Nutrisi Ternak, 11(2), 101-110.
- PT Charoen Pokhphand. 2004. Manual Manajemen Broiler CP 707, Jakarta
- PT. Japfa Comfeed Indonesia Tbk. 2012. MB 202 (Pedaging) dan MB 404 (Petelur). Poultry breeding division.
- PT. Medion. Label Kemasan Top Mix. Bandung, Indonesia.
- Quintana, O. G. A., Alfaro, W. M. C., Oviedo, R. E. O., Ruiz, R. J. R., Bernal, A. L. C. and Martinez, B. G. D. 2023. Data analytics of broiler growth dynamics and feed conversion ratio of broilers raised to 35 d under commercial tropical conditions. Animals, 13. <https://doi.org/10.3390/ani13152447>

- Ramdani O. P., Suthama, N. dan Atmomarsono, U. 2018. Pengaruh taraf protein dan lisin ransum terhadap pelemakan pada ayam kampung umur 12 minggu. Fakultas Peternakan dan Pertanian Universitas Diponegoro, Semarang. Jurnal Sain Peternakan Indonesia. Vol 13 No. 4 edisi Oktober-Desember 2018. P-ISSN 1978-3000 E-ISSN 2528-7109.
- Rifai, H., Nurmi, A. dan Fajrin, M. 2020. Penggunaan andaliman (*Zanfoxulum achantopodium dc*) dalam ransum terhadap performa ayam broiler. Fakultas Peternakan Universitas Muhammadiyah. Tapanuli Selatan.
- Rusmanita, R. 2016. Penggunaan campuran limbah buah durian dan ampas tahu fermentasi dengan *phanerochaete chrysosporium* dan *Neurospora crassa* terhadap kualitas telur puyuh. Skripsi. Fakultas Peternakan Universitas Andalas. Padang.
- Samadi., Wajiah, S., Khairi, F. dan Ilham. 2021. Formulasi ransum ayam pedaging (broiler) dan pembuatan feed additives herbal (Phytohenic) berbasis sumber daya pakan lokal di Kabupaten Aceh Besar. Fakultas Peternakan Universitas Padjadjaran
- Samadian, F., Eskandari, J.M. and Behzadi, M.R.B. 2019. Preference of broiler chickens for feed color., 10(25): 1-7. doi: <https://dx.doi.org/10.29252/RAP.10.25.1>
- Sari, M. L. dan Ramadhan, M. 2017. Manajemen pemberian pakan ayam broiler di Desa Tanjung Pinang Kecamatan Tanjung Bata Kabupaten Ogan Ilir. Jurnal Peternakan Sriwijaya, 6(1):37-43.
- Scott, M. L., Nesheim, M. C. and Young, R. J. 1982. Nutrition of The Chicken. New York: Ithaca.
- Setiawan, H. 2017. Peningkatan kualitas nutrisi duckweed melalui fermentasi menggunakan *Trichoderma harzianum*. Jurnal Ilmu Ternak. Vol.7(2): 113-116.
- Sirajuddin, A., Sagaf, S.W., Cakrawati., Harmoko. and Padang. 2023. Effect of durian by-product on nutrition intake, productivity, and physiological conditions of kacang goats (*Capra aegagrus hircus*). Jurnal Penelitian Pendidikan IPA (JPPIPA)., 9(6): 4820–4826. <https://doi.org/10.29303/jppipa.v9i6.3869>.
- Sonya, D. M. 2016. Pengaruh penggunaan campuran limbah buah durian dan ampas tahu yang difermentasi dengan *phanerochaete chrysosporium* dan *Neurospora crassa* dalam ransum terhadap kandungan kolesterol, lemak kasar dan warna kuning telur ayam ras. Skripsi. Fakultas Peternakan Universitas Andalas. Padang.

Steel, R. C. dan Torrie, J. H. 1995. Prinsip dan Prosedur Statistika. Gramedia Pusat Utama, Jakarta.

Tandel, T. K, and Patel, S. 2022. Production of fungal cellulase enzymes and their applications. International journal of research publication and reviews, Vol 3, Issue 7, pp 3831-3838. DOI: <https://doi.org/10.55248/gengpi.2022.3.7.36>.

Thiyajai, P., Charoenkiatkul, S., Kulpradit, K., Swangpol., S., Sridonpati, P. and Judprasong, K. 2020. Nutritional composition of indigenous durian varieties. Malaysian journal of nutrition., 26(1): 093-099. <https://doi.org/10.31246/mjn-2019-0083>.

Upadhyaya, S. 2024. Fermentation as a method of food processing and fermented food as probiotics: A Review. *HSOA Journal of Food Science & Nutrition*, 10(5), 1–11. <https://doi.org/10.24966/fsn-1076/100203>

Wang, Q., Qi, Z., Fu, W., Pan, M., Ren, X., Zhang, X. and Rao, Z. 2024. Research and prospects of enzymatic hydrolysis and microbial fermentation technologies in protein raw materials for aquatic feed. *Fermentation*, 10(12), 648. <https://doi.org/10.3390/fermentation10120648>

Widyastuti, N. 2009. Jamur shitake – budidaya dan pengolahan si jamur penakluk kanker. Jakarta : Lily Publisher.

Zhivkova, V. 2024. Durian waste valorization – some research tendencies: a review. *IOP Conference Series*, 1420(1), 012032. <https://doi.org/10.1088/1755-1315/1420/1/012032>

Zou, X. T., Li, J. T., Tan, Z. L., Wang, Y., Zhao, L. H. and Zhang, S. 2021. Effects of dietary lysine levels on growth performance, serum biochemical parameters, and intestinal morphology of broiler chickens. *Animal Feed Science and Technology*, 272, 114735.