DAFTAR PUSTAKA

AL-Jaryan, I.L.H., W.S. Hassan, and M.M. AL-Rekabi. 2021. Association of the melatonin receptor c gene with egg production traits in local Iraqi chicken. Systematic Reviews in Pharmacy. 12(1): 1406-1413.

Allendorf, F. and Luikart, G. 2006. Conservation and the Genetics of Populations. Blackwell Publishing Ltd.

Al-Shuhaib, M. B. S. and H.O. Hashim. 2023. Mastering DNA chromatogram analysis in Sanger sequencing for reliable clinical analysis. Journal of Genetic Engineering and Biotechnology. 20(1): 1-12.

Ayu, P. I., N. Suyasa, dan E. S. Rohaeni. 2016. Pertumbuhan dan Persentase Karkas Ayam Kampung Unggul Badan Litbang (KUB) pada Pemberian Ransum yang Berbeda. 1115-1122. Prosiding Seminar Nasional Inovasi Teknologi Pertanian. Banjarbaru.

Bagheri Sarvestani, A. S., A. Niazi, M. J. Zamiri, and T.M. Dadpasand. 2013. Polymorphisms of prolactin gene in a native chicken population and its association with egg production. Iranian Journal of Veterinary Research. 14(2): 113-119.

Beuzen, N. D., M. J. Stear, and K. C. Chang. 2000. Molecular markers and their use in animal breeding. The Veterinary Journal. 160: 42 - 52.

Boujenane, I. 2023. Genetic improvement of poultry: Selection methods and breeding strategies. World's Poultry Science Journal. 79(1): 1–15.

Chomchuen, K., V. Tuntiyasawasdikul, V. Chankitisakul, and W. Boonkum. 2022. Genetic evaluation of body weights and egg production traits using a multi-trait animal model and selection index in Thai native synthetic chickens (Kaimook e-san2). Animals. 12(3): 1-13.

Darmawan, A., R. Suryana, dan H. Prasetyo. 2021. Faktor-faktor yang mempengaruhi umur dewasa kelamin ayam lokal. Jurnal Ilmu Ternak dan Veteriner. 26(2): 97–106.

Darwati, S., H. Nurcahya, R. Afnan, V. S. Maulana, dan P. Rohamtullah. 2018. Pertumbuhan Generasi Pertama (G1) Hasil Silangan Merawang Arab umur 1-12 minggu. Jurnal Ilmu Produksi dan Teknologi Hasil Peternakan. 6(2): 67-72.

Duxiao-Hui, Licong-Yan, Liujun-Ying, Niuwei-He, and Zhangxi-Quan. 2013 Polymorphism of Chicken Prolactin Receptor Gene and It's Association with Broodiness and Egg Reproduction Traits. Scientia Agricultura Sinica. 46(12): 2558-2565.

Fan, X. P., X. F. Ji, X. Y. Li, S. Gao, Y. C. Fan, and K. Wang. 2016. Methylation of the glutathione-S-transferase P1 gene promoter is associated with oxidative stress in patients with chronic hepatitis B. The Tohoku journal of experimental medicine. 238(1): 57-64.

George, J. W., E. A. Dille, and L. L. Heckert. 2011. Current Concepts of Follicle-Stimulating Hormone Receptor Gene Regulation. Biology of Reproduction. 84(184): 7–17.

Groeneveld, L. F., J. A. Lenstra, H. Eding, M. A. Toro, B. Scherf, D. Pilling, and R. Negrini. 2010. Genetic diversity in farm animals – A review. Animal Genetics. 41(1): 6–31.

Habiburahman, R., S. Darwati, dan C. Sumantri. 2020. Produksi Telur dan Kualitas Telur Ayam IPB D-1 G7 serta Pendugaan Nilai Ripitabilitas. Jurnal Ilmu Produksi dan Teknologi Hasil Peternakan. 8(2): 97-101.

Hardjosubroto, W. 1994. Aplikasi Pemuliabiakan Ternak di Lapangan. Gramedia. Widiasarana Indonesia, Jakarta.

Hartl, D. L. and Clark, A.G. 2000. Principles of population genetics (4th ed.). MA: Sinauer Associates. Sunderland.

Hartono, M., C. Hidayat, dan L. Prasetyo. 2014. Karakteristik produksi telur ayam kampung. Jurnal Ilmu Produksi dan Teknologi Hasil Peternakan. 2(1): 173–178.

Hayes, B. J., H. A Lewin, and M. E. Goddard. 2013. The future of livestock breeding: genomic selection for efficiency, reduced emissions intensity, and adaptation. Trends in genetics. 29(4): 206-214.

Hidayat, Z., Nuraini, dan Asmarhansyah. 2016. Studi karakteristik dan ukuran-ukuran tubuh ayam Merawang F2 di KP Petaling Kepulauan Bangka Belitung. pp 907-915. Prosiding Seminar Nasional Agroinovasi Spesifik Lokasi Untuk Ketahanan Pangan Pada Era Masyarakat. Bangka Belitung.

Hiendleder, S., S. Bauersachs, A. Boulesteix, H. Blum, G.J. Arnold, T, Frohlich, and E. Wolf. 2005. Functional genomics: tools for Improving farm animal health and welfare. Rev. Sci. Tech. 24 (1): 355 -377.

Hill, W. G. 2000. Maintenance of quantitative genetic variation in animal breeding programmes. Livestock Production Science. 63(2): 99-109.

Hubeis, M. 2020. Strategi pengembangan sapi potong di wilayah pengembangan Sapi Bali Kabupaten Barru. Jurnal Manajemen Pengembangan Industri Kecil Menengah. 15(1): 48-61.

Irianto, A., A. Gunawan, dan Muladno. 2020. Perbaikan mutu genetik melalui sistem grading ternak dalam upaya menunjang program pemuliaan berbasis digital. Jurnal Ilmu dan Teknologi Peternakan Tropis. 7(1): 35–41.

Iskandar, S. 2006. Ayam silangan pelung dan kampung: Tingkat protein pakan untuk produksi daging umur 12 minggu. Wartazoa. 16(2):65-71.

Iung, L. H. D. S., R. Carvalheiro, H. H. D. R. Neves, and H. A. Mulder. 2020. Genetics and genomics of uniformity and resilience in livestock and

aquaculture species: A review. Journal of Animal Breeding and Genetics. 137 (3): 263-280.

Kadri, K. 2019. Polymerase chain reaction (PCR): Principle and applications. Synthetic Biology – New Interdisciplinary Science. 1(1): 154–157.

Kalqutny, S. H., S. Pakki, dan A. Muis. 2020. Potensi Pemanfaatan Teknik Molekuler Berbasis DNA dalam Penelitian Penyakit Bulai pada Jagung. Jurnal Ilmu dan Teknologi Pertanian. 4(1): 17-27.

Kartika, A. A., K. A. Widayati, M. Ulfah, dan A. Farajallah. 2016. Eksplorasi preferensi masyarakat terhadap pemanfaatan ayam lokal di Kabupaten Bogor Jawa Barat. Jurnal Ilmu Pertanian Indonesia. 21(3): 180-185.

Kementan. 2014. Pedoman Pelaksanaan Pembibitan Ternak Ruminansia. Direktorat Jenderal Peternakan dan Kesehatan Hewan Kementrian Pertanian. Jakarta.

Kementrian Pertanian. 2012. Keputusan Menteri Pertanian No 2846/Kpts/LB.430/8/2012 tentang Penetapan Rumpun Ayam Merawang. Jakarta: Kementrian Pertanian RI.

Koopaee, H. K., and Koshkoiyeh, A.E. 2014. SNPs genotyplng technologies and their applications in farm animals breeding programs: Review. Braz. Arch. Biol. Technol. 57: 87-95.

Kurnia, R. R., I. Lesmana, A. R. Ernanto, A. B. I. Perdamaian, T. Trijoko, and B. S. Daryono. 2021. The association of follicle stimulating hormone receptor (FSHR) gene polymorphism of on egg productivity in hybrid chicken (Gallus gallus gallus, Linnaeus 1758). Biodiversitas Journal of Biological Diversity. 22(3): 1221-1226.

Lachance, J. 2009. Detecting selection-induced departures from Hardy–Weinberg proportions. Genetics Selection Evolution. 41(1): 15.

Li, G., D. X. Sun, Y. Yu, W. J. Liu, S. Q. Tang, Y. Zhang, Y. C. Wang, S. L. Zhang, and Y. Zhang. 2011. Genetic Effect of The Follicle-Stimulating Hormone Receptor Gene on Reproductive Traits in Beijing You Chickens. Poultry Science. 90: 2487–2492.

Li, X., Y. Lu, X. Liu, X. Xie, K. Wang, and D. Yu. 2019. Identification of Chicken FSHR Gene Promoter and The Correlations between Polymorphisms and Egg Production in Chinese Native Hens. Reprod Dom Anim. 54 (4): 702–711.

Lin, D. Y., C. T. Chu, M. Y. Lin, M. Y. Tsai, S. J. Tzeng, M. C. Wu, and H. L. Chang. 2025. Heritability and genetic correlation of age at first egg and egg number up to 40 weeks of age after long-term selection in Taiwan indigenous chicken. Animals. 15(11): 1534.

Lipshutz, R. J., S. P. Fodor, T. R. Gingeras, and D. J. Lockhart. 1999. High density synthetic oligonucleotide arrays. Nature Genetics. 21 (1): 20 -24.

Lukmanudin, M., C. Sumantri, dan S. Darwati. 2018. Ukuran tubuh ayam lokal silangan IPB D-1 generasi kelima umur 2 sampai 12 minggu. Jurnal Ilmu Produksi Dan Teknologi Hasil Peternakan. 6(3): 113–120.

Meuwissen, T., B. Hayes, and M. Goddard. 2016. Genomic selection: A paradigm shift in animal breeding. Animal frontiers. 6(1): 6-14.

Miraj, N. N., C. Sumantri, S. Murtini, dan N. Ulupi. 2022. Keragaman gen BG1 sebagai kandidat gen penciri ketahanan penyakit pada calon galur ayam IPB-D2. Jurnal Ilmu Produksi dan Teknologi Hasil Peternakan. 10(3): 144-151.

Mukhopadhyay, T. and Bhattacharjee, S. 2016. Genetic Diversity: Importance and Measurements. Conserving Biological Diversity: A Multiscaled Approach. Research India Publications, New Delhi.

Mustofa, F., A. P. Z. N. L. Sari, E. Suryanto, D. Maharani, A. Agus, S. Widodo, A.A.K. Putra, and H. Sasongko. 2021. The body weight performance of indigenous Indonesian chickens in the grower phase. pp. 1-4. IOP Conf. Series: Earth and Environmental Science. Indonesia. 888 012010.

Mu'in, M. A., dan S. Lumatauw. 2021. Heritabilitas produksi telur ayam lokal Papua berbeda genotip dari lokus 24-bp insertion-deletion dalam promoter gen prolaktin. Jurnal Ilmu Peternakan dan Veteriner Tropis. 11(2): 138-146.

Nei, M., and Kumar, S. 2000. Molecular evolution and phylogenetics. Oxford University Press. New York.

Nuraini, N., Z. Hidayat, dan K. Yolanda. 2018. Performa bobot badan akhir, bobot karkas serta persentase karkas ayam merawang pada keturunan dan jenis kelamin yang berbeda. Sains Peternakan: Jurnal Penelitian Ilmu Peternakan. 16(2): 69-73.

Nuruddin, M. 2019. Jenis-Jenis Ayam Buras. https://disnakbun.banjarkab.go.id/. Diakses pada 29 Maret 2025.

Pemerintah Republik Indonesia. 2011. PP No. 48 Tahun 2011 tentang Sumber Daya Genetik Hewan dan Perbibitan Ternak. Jakarta: Republik Indonesia.

Philippe, F. X., Y. Mahmoudi, D. Cinq-Mars, M. Lefrançois, N. Moula, J. Palacios, F. Pelletier, and S. Godbout. 2020. Comparison of egg production, quality and composition in three production systems for laying hens. Livestock Science. 232: 1-10.

Pierce, J. G. and Parsons, T.F. 1981. Glycoprotein hormones: structure and function. Annual review of biochemistry. 50(1): 465-495.

Prawira, Y., R. Wulandari, dan M. A. Setiadi. 2020. Ukuran telur dan kaitannya dengan bobot tetas ayam kampung. Jurnal Ilmu Ternak Indonesia. 22(3): 177–183.

Prihandini, P. W., L. Hakim, dan V. A. Nurgiartiningsih. 2011. Seleksi pejantan berdasarkan nilai pemuliaan pada sapi Peranakan Ongole (PO) di Loka Penelitian Sapi Potong Grati–Pasuruan. Journal of Tropical Animal Production. 12(2): 99-109.

Rahmat, D., dan T. Dhalika. 2006. Evaluasi performa domba persilangan Barbadpos dengan Domba Priangan sebagai sumber bibit unggul (evaluation of performance of crossbreed Barbados and Priangan sheep as excellent breed). Jurnal IImu Ternak. 6(2): 96-–101.

Resnawati, H., dan A. K. B. Ida. 2005. Produktivitas Ayam Lokal yang Dipelihara Secara Intensif. Balai Penelitian Ternak. Jakarta.

Romjali, E., S. Subiharta, H. Hasinah, F. A. Pamungkas, dan R. Matondang. 2020. Kinerja reproduksi dan produksi ayam KUB di peternak pembibit. Halaman 717-721. Prosiding Seminar Nasional Teknologi Peternakan dan Veteriner. Jakarta.

Rosalinda, E., H. Sasongko, and D. Maharani. 2025. Polymorphism of the prolactin gene and its association with reproductive traits in F2 local crossed chickens. Veterinary World. 18(1): 29-39.

Sartika, T. and Iskandar, S. 2019. The productivity of 4th generation KUB-2 chicken. Indonesian Journal of Animal and Veterinary Sciences. 24(4): 151-157.

Setiadi, B. 2016. Strategi pemenuhan syarat penetapan dan pelepasan rumpun atau galur baru ternak. Wartazoa. 26(3): 133-142.

Shastry, B. S. 2009. SNPs: Impact on gene function and phenotype. Methods in Molecular Biology. 578 (3–22).

Simoni, M., J. Gromoll. and E. Nieschlag. 1997. The follicle-stimulating hormone receptor: biochemistry, molecular biology, physiology, and pathophysiology. Endocrine reviews, 18(6):739-773.

Singh, P., S. Mondal, and R. L. Singh. 2020. Introduction. In: Mondal S., and R. l. Singh eds. Advances in Animal Genomics pp. 1 - 12. Academic Press, London.

Sjafaraenan, H., E. Lolodatu, R. Johannes, R. Agus, dan A. Sabran. 2018. Profil DNA gen follicle stimulating hormone reseptor (FSHR) pada wanita akne dengan teknik PCR dan sekuensing DNA. Bioma. 3(1): 1–11.

Su, Y. J., J. T. Shu, M. Zhang, X. Y. Zhang, Y. J. Shan, G. H. Li, J. M. Yin, W. T. Song, H. F. Li, and G. P. Zhao. 2014. Association of chicken growth hormone polymorphisms with egg production. Genet Mol Res. 13(3): 4893-4903.

Tixier-Boichard, M., B. Bed'Hom, and X. Rognon. 2011. Chicken domestication: from archeology to genomics. Comptes Rendus. Biologies. 334(3): 197-204.

Tixier-Boichard, M., F. Leenstra, D.K. Flock, P.M. Hocking, and S. Weigend. 2012. A century of poultry genetics. World's Poultry Journal. 68: 307 - 321.

Wakchaure, R. and Ganguly, S. 2015. Molecular markers and their applications in farm animals: A review. International Journal of Recent Biotechnology. 3(3): 23-39.

Wakchaure, R., S. Ganguly, P. K. Praveen, A. Kumar, S. Sharma, and T.J. J. D. M. T. Mahajan. 2015. Marker assisted selection (MAS) in animal breeding: a review. Journal of Drug Metabolism and Toxicology. 6(5): 1-4.

Wang, M., D. Li, M. Zhang, W. Yang, Y. Cui, and S. Li. 2015. Methylation of KvDMR1 involved in regulating the imprinting of CDKN1C gene in cattle. Animal genetics. 46(4): 354-360.

Williamson, G., and Payne, W.J.A. 1993. Pengantar Peternakan di Daerah Tropis. Edisi Ketiga. Gajah Mada University Press. Yogyakarta.

Yacoub, H.A., M. M. Fathi, I. H. Al-Homidan, M. I. Badawy, M. H. Abdelfattah, M. F. Elzarei, O. K. Abou-Emera, and G. N. Rayan. 2024. Association of Ovocalyxin-32 Gene Variants with Egg Quality Traits in Indigenous Chicken Breeds. Animals. 14(1): 1-16

Yacouba, Z., H. Isidore, K. Michel, G. B. Isidore, T. Boureima, M. Vinsoun, and N. A. Joseph. 2022. Genetic diversity and population structure of local chicken ecotypes in Burkina Faso using microsatellite markers. Genes. 13(9): 1-13.

Yaman, M. A., Erina, Zulfan, Y. Usman, C. A. Fitri, and H. Latif. 2020. Increase in egg production, egg quality and immunity of local chicken resulted by cross-breeding. Iop Conf. Series: Earth and Environmental Science. 425 (1):1-5.

Yulianti, D. L., A. A. Hamiyanti, H. S. Prayogi, F. Andri, dan A. K. Setiawan. 2022. Pengaruh Letak Cage Dalam Kandang Tertutup Terhadap Kualitas Telur Ayam Petelur Hy-Line Brown. Journal of Tropical Animal Production. 23(2) : 120-129.

Zhang, Z., C. Ge, A. Ni, J. Yao, A. M. Isa, H. Yang, and Y. Sun. 2025. Phenotype and genetic characterization of the egg-laying related traits in indigenous Beijing-You chickens. Poultry Science. 104(11): 1-7.

Zhao J., H. Pan, W. Zhao, W. Li, H. Li, Z. Tian, D. Meng, Y. Teng, X. Li, Y. He, H. Shi, C. Ge, and K. Wang. 2023. Untargeted Metabolomics Revealed Potential Biomarkers of Small Yellow Follicles of Chickens during Sexual Maturation. Metabolites. 13(2):1-9.