

DAFTAR PUSTAKA

- Abbas, M. H. 2004. Manajemen Ternak Unggas. Buku Ajar Fakultas Peternakan Universitas Andalas, Padang.
- Abbas, M. H., A. Arifin, S. Anwar, A. Agustar, Y. Heryandi dan Zedril. 1997. Studi Ayam Kokok Balenggek di Kecamatan Payung Sakaki, Kabupaten Solok: Potensi wilayah dan genetika. [Laporan Penelitian]. Padang: Pusat Pengkajian Peternakan dan Perikanan. Fakultas Peternakan Universitas Andalas-Dinas Peternakan Provinsi Sumatera Barat.
- Abd El-Hack, M. E., C. B. Hurtado, D. M. Toro, M. Alagawany, E. M. Abdelfattah, and S. S. Elnesr. 2019. Fertility and hatchability in duck eggs. *World's Poultry Science Journal*, 75(4), 1-9. <https://doi.org/10.1017/S0043933919000060>.
- Adkins-Regan, E. 2005. Hormones and Animal Social Behavior. Princeton University Press, Princeton, New Jersey, U.S.A.
- Appleby, M. C., J. A. Mench, and B.O. Hughes. 2004. Poultry Behaviour and Welfare. CABI Publishing, Wallingford, Oxon, U.K.
- Arlina, F., M. H. Abbas., S. Anwar, dan Jamsari. 2015. Keragaman genotip dan genetic DNA mikrosatelit ayam kokok balenggek sebagai strategi awal konservasi di Sumatera Barat. Disertasi Program Pascasarjana Universitas Andalas. Padang.
- Arlina, F., M. H. Abbas., S. Anwar, and Jamsari. 2015. Qualitative and quantitative traits of kokok balenggek chicken, the rare indigeneous chicken in West Sumatera. *Proceeding of International Seminar on Tropical Animal Production*, Yogyakarta. Hal 453-457.
- Arlina, F., Rusfidra., D. Andriano, and C. Sumantri. 2020. Short Communication: The type and sound diversity of kukuak balenggek chicken (*Gallus gallus domesticus*) reared in West Sumatra, Indonesia. *BIODIVERSITAS* Volume 21, Number 5, May 2020 Pages: 1914-1919. <https://doi.org/10.13057/biodiv/d210518>.
- Arlina, F, Rusfidra, Yurnalis, Y. Safitri, dan K. Nisa. 2021. Seleksi bibit ayam kokok balenggek berdasarkan karakter kualitatif sebagai marka fenotipe di komunitas pencita ayam kokok balenggek Kota Padang. Laporan Penelitian SKIM Riset Dasar. Padang: Fakultas Peternakan. Universitas Andalas.
- Banga-Mboko, H., B. Lelou, D. Maes, and P. L. Leroy. 2007. Indigenous muscovy ducks in congo brazzaville. 2. Preliminary observations on indigenous muscovy ducks reared under moderate inputs in congolese conditions. *Tropical Animal Health and Production*, 39(2), 123-129. <https://doi.org/10.1007/s11250-007-4235-0>.

- Banakar, A., M. Sharafi, and G. Li. 2024. Relationship between reproductive indicators and sound structure in broiler breeder roosters. *Applied Animal Behaviour Science*, 270, 106-135.
- Bhawa, S., J. C. Morêki, and J. B. Machete. 2023. Poultry management strategies to alleviate heat stress in hot climates: A review. *Journal of World's Poultry Research*, 13(1), 1-19. <https://dx.doi.org/10.36380/jwpr.2023.1>.
- Bhagora, M. 2025. A review on the impact of heat stress on poultry performance. *Veterinary Paper*, 10(12S), S-2819. <https://doi.org/10.22271/veterinary.2025.v10.i12Sa.2819>.
- Birkhead, T. R and T. Pizzari. 2002. The sexually-selected sperm hypothesis: sex-biased inheritance and sexual antagonism. *Biol. Rev*; 77:183-209. <https://doi.org/10.1017/s1464793101005863>.
- Brun, J. M., M. M. Richard, C. Marie- Etancelin, R. Rouvier, and C. Larzul. 2005. The mulard duck: genetic determinism of an intergeneric hybrid. *INRA Productions Animales*. 18, 295–308. <https://doi.org/10.20870/productions-animales.2005.18.5.3534>.
- Chicken Indonesia. Oktober, 2024. 5 Langkah sanitasi kandang ayam. Diakses 1 November 2025 dari: <https://chickin.id/blog/5-langkah-sanitasi-kandang-ayam>
- Cheng, H. W. 2010. Breeding of tomorrow's chickens to improve well-being. *Poultry Science*, 89(4), 805-813.
- Costa L.S., D. F. Pereira, L. G. F. Bueno, and H. Pandorfi. 2012. Some aspects of chicken behavior and welfare. *Brazilian Journal of Poultry Science*, 14, 159-164. <https://doi.org/10.1590/S1516-635X2012000300001>.
- Duncan, I. J. H. 2009. Mating behaviour and fertility. *Biology of Breeding Poultry*, 29, 111–132. <https://doi.org/10.1079/9781845933753.0111>.
- Etches, R. J. 1996. *Reproduction in Poultry*. CAB International, Wallingford, Oxon, U.K.
- Fadillah, A. F., A. S. Aku, dan Syamsuddin. 2025. Penampilan produksi ayam kampung super pada frekuensi pemberian pakan berbeda. *Jurnal Ilmiah Peternakan Halu Oleo*, 7(2), 143–148. <https://doi.org/10.56625/jipho.v7i2.12>.
- Fauziyah, W. 2023. Aktivitas ayam kokok balenggek (AKB) di atas tenggeran dan tanpa tenggeran. Skripsi. Fakultas Peternakan Universitas Andalas. Padang.
- Fumihito, A., T. Miyake, S. Sumi, M. Takeda and S. Ohno. 1994. One subspecies of the red jungle fowls (*Gallus gallus gallus*) suffices as the matriarchic ancestor of all domestic breeds. *Proceeding National Academy Science*, 91: 12505-12509.
- Fumihito, A., T. Miyake, M. Takada, R. Shingu, M. T. Endo, T. Gojo Baru, N.

- Kondo, and S. Ohno. 1996. Monophyletic origin and one subspecies of the red jungle fowl (*Gallus gallus gallus*) dispersal pattern of domestic fowl. *Proc. Nat. Acad Sci* 93 : 6792-6795.
- Hafez, E.S.E., and B. Hafez. 2013. *Reproduction in Farm Animals* (7th ed.). Wiley-Blackwell, Hoboken, New Jersey, U.S.A.
- Hillel, J., M. A. M. Groenen, M. Tixier-Boichard, A. B. Korol, L. David, V. M. Kirzhner,..... and S. Weigend. 2003. Biodiversity of 52 chicken populations assessed by microsatellite typing of DNA pools. *Genetics Selection Evolution*, 35(5), 533–557. <https://doi.org/10.1051/gse:2003038>.
- Hirao, A., M. Aoyama, and S. Sugita. 2009. The role of uropygial gland on sexual behavior in domestic chicken (*Gallus gallus domesticus*). *Behavioural Processes*. Vol. 80, no. 2, pp. 115–120. <https://doi.org/10.1016/j.beproc.2008.10.006>.
- Hocking, P. M. 2009. *Biology of breeding poultry*. Poultry Science Symposium Series, 29, 89–112.
- Johnson, A. L. 2011. *Reproduction in The Male*. In *Sturkie's Avian Physiology* (6th ed.). Academic Press, San Diego, California, U.S.A.
- Kementerian Pertanian (Kementan). 2011. Keputusan Menteri Pertanian No.2919/Kpts/OT.140/6/2011 tentang Penetapan Ayam Kokok Balenggek sebagai Rumpun Ternak Nasional. Menteri Pertanian Republik Indonesia. Jakarta.
- Lara, L. J., and M. H. Rostagno. 2013. Impact of heat stress on poultry production. *Animals*, 3(2), 356–369. <https://doi.org/10.3390/ani3020356>.
- Leonard, M. L., L. Zanette, B. K. Thompson, and R.W. Fairfull. 1993. Early exposure to the opposite sex affects mating behaviour in white leghorn chickens. *Applied Animal Behaviour Science* 37, 57–67. [https://doi.org/10.1016/0168-1591\(93\)90070-6](https://doi.org/10.1016/0168-1591(93)90070-6).
- Leonard, M. L., and L. Zanette. 1998. Female mate choice and male behaviour in domestic fowl. *Animal Behaviour*, 56(5), 1099-1105.
- Lin, H., E. Decuypere., and J. Buyse. 2006. Acute heat stress induces oxidative stress in broiler chickens. *Comparative Biochemistry and Physiology Part A: Molecular & Integrative Physiology*, 144(1), 11–17. <https://doi.org/10.1016/j.cbpa.2006.01.032>.
- Loyau, A., M. Saint Jalme, C. Cagniant, and G. Sorci. 2005. Multiple sexual advertisements honestly reflect health status in peacocks (*Pavo cristatus*). *Behavioral ecology and Sociobiology*, 58(6), 552-557. <https://doi.org/10.1007/s00265-005-0958-y>.
- Macchiano, A., E. Miller., U. Agali., A. Ola-Ajose., and K. D. Fowler-Finn. 2023. Developmental temperature alters the thermal sensitivity of courtship activity and signal-preference relationships, but not mating rates. *Oecologia*, 202(1), 97–111. <https://doi.org/10.1007/s00442-023-05376-z>.

- Maisarah, M., I. S. Ningsih, S. Maisari, and Y. Atifah. 2021. Karakteristik dan tingkah laku ayam kampung (*Gallus gallus domesticus*) saat memasuki musim kawin. In Prosiding Seminar Nasional Biologi (Vol. 1, No. 2, pp. 635-647). <https://doi.org/10.24036/prosemnasbio/vol1/174>.
- Magfira, M., N. W. K. Karja., R. I. Arifiantini, dan T. Sartika. 2023. Korelasi konsentrasi testosteron darah terhadap kualitas semen segar ayam kampung unggul balitbangtan (KUB) dengan fenotip berbeda. Jurnal Sain Veteriner, 41(3), 384-394. <https://doi.org/10.22146/jsv.73914>.
- Mashaly, M. M., G. L. Hendricks, M. A. Kalama, A. E. Gehad, A. O. Abbas, and P. H. Patterson. 2004. Effect of heat stress on production parameters and immune responses of commercial laying hens. Poultry Science, 83(6), 889–894. <https://doi.org/10.1093/ps/83.6.889>.
- Masyud, B. 2007. Pola reproduksi burung tekukur (*Streptopelia chinensis*) dan telur (*Streptopelia risoria*) di penangkaran. Media Konservasi, 12(2) : 80-88. <https://doi.org/10.29244/medkon.12.2.%25p>.
- Mauldin, J. M. 2009. Poultry breeding: natural mating and fertilization. College of Agricultural and Environmental Sciences. The University of Georgia Cooperative Extension Service, Georgia, U.S.A.
- Mayntz, M. 2020. The turkey's snood more than just a flap of skin. (Online Article). The Spruce (Dotdash Meredith), New York, U.S.A.
- Mench, J. A. 1993. Problems associated with broiler breeder management. In: Savory, C.J. and Hughes, B.O. (eds) Proceedings of the 4th European Symposium on Poultry Welfare. Universities Federation for Animal Welfare, Potters Bar, UK, pp. 195–207.
- Murad, I. 1989. Ayam yungkilok ayam penyanyi yang sudah langka dan mengarah proses kepunahan. (artikel no. 1). Padang.
- Nareswari, N. D., D. Samsudewa, dan Y. S. Ondho. 2017. Tingkah laku reproduksi merak hijau (*Pavo muticus*) pada umur yang berbeda di UD. Tawang Arum Kecamatan Gemarang, Kabupaten Madiun. Jurnal Sain Peternakan Indonesia. 12 (1) : 94-101. <https://doi.org/10.31186/jspi.id.12.1.94-101>.
- Nishida, T., K. Kondo, S. S. Mansjoer and H. Martojo. 1980. Morphological and genetical studies on the indonesia native fowl. The origin and phylogeny of indonesian native livestock. Res. Report I : 47-70
- Nishida, T., K. Kondo, S. S. Mansjoer and H. Martojo. 1982. Morphologycal and genetical studies on the indonesia native fowl. : The Origin and Phylogheny of Indonesia Native Livestock (Part III). 73-83.
- North, M.O., and D. D. Bell. 1990. Commercial Chicken Production Manual (4th ed.). Van Nostrand Reinhold. New York, U.S.A.
- Nurandriyanto, E. 2018. Variasi tingkah laku reproduksi ayam burgo jantan pada pemeliharaan intensif. Skripsi. Jurusan Peternakan Fakultas Pertanian Universitas Bengkulu, Bengkulu.

- Prayitno, D. S. dan Sugiharto. 2015. Kesejahteraan dan Metode Penelitian Tingkah Laku Unggas. Badan Penerbit Universitas Diponegoro, Semarang.
- Putranto H. D., J. Setianto, Y. Yumiati, dan E. Nurandriyanto. 2019. Perbandingan frekuensi dan durasi perilaku seksual berdasarkan umur pada pejantan ayam burgo. Universitas Bengkulu, Bengkulu. <https://doi.org/10.31186/jspi.id.14.1.38-48>.
- Rukmana, R. 2003. Intensifikasi dan Pengembangan Ayam Buras. Kanisius, Yogyakarta.
- Rusfidra. 2001. Konservasi sumber daya genetik ayam kokok balenggek di sumatera barat. Makalah disampaikan pada Seminar Nasional Bidang Ilmu Hayati. 20 September 2001. Pusat Studi Ilmu Hayati Institut Pertanian Bogor.
- Rusfidra. 2004. Karakterisasi sifat-sifat fenotipik sebagai strategi awal konservasi ayam kokok balenggek di sumatera barat. Disertasi Sekolah Pascasarjana Institut Pertanian Bogor, Bogor.
- Rusfidra. 2014. Recent status riset bioakustik pada ayam lokal penyanji di indonesia. In Prosiding Seminar Nasional Perhimpunan Ilmu Pemuliaan Indonesia, Pekanbaru, Riau.
- Rusfidra, Y. Y. Tumatra., M. H. Abbas., Y. Heryandi and F. Arlina. 2014. Characterization of number of crow and qualitative marker of kokok balenggek song fowl inside a captive breeding farm in solok regency, west sumatera province-indonesia. Int. J. Poult. Sci. 13 (6): 343-346.
- Setioko, A.R. 2001. Inseminasi buatan pada itik. Disampaikan pada Acara Pelatihan Inseminasi Buatan pada Itik di BPT HMT Pelaihari Kalimantan Selatan. Tambang Ulang, 30-31 Agustus 2001.
- Sudjana. 2005. Metode Statistika Edisi 6. Tarsito, Bandung.
- Sujana, E. 2017. Sumber Belajar Penunjang PLPG Mata Pelajaran/Paket Keahlian, Agribisnis Ternak Unggas, Tingkah Laku Ternak Unggas. Kementerian Pendidikan Dan Kebudayaan Direktorat Jenderal Guru dan Tenaga Kependidikan. Jakarta.
- Sugiyono. 2010. Statistika untuk Penelitian. Alfabeta, Bandung.
- Sumiati, T dan Anggorodi, R. 2017. Manajemen pemeliharaan unggas dalam meningkatkan performa dan ketahanan tubuh. Jurnal Ilmu Ternak, 18(2), 85–93.
- Suprayogi, W, P, S., E. W. Riptanti, dan S. D. Widyawati. 2017. Budidaya ayam kampung intensif melalui program pembangunan usaha inovasi kampus. Fakultas Pertanian Universitas Negeri Sebelas Maret, Surakarta.
- Scanes C.G., L.D. Butler, and M.T. Kidd. 2020. Reproductive management of poultry. Animal Agriculture. Department of Poultry Science. University of Arkansas. pages 349-366. <https://doi.org/10.1016/B978-0-12-817052-6.00020-3>.

- Stai, S. M., and W. A Searcy. 2010. Passive sperm loss and patterns of sperm precedence in muscovy ducks (*Cairina moschata*). 127(3): 495-502. <https://doi.org/10.1525/auk.2010.09138>.
- Tanari, M. 2007. Karakterisasi habitat, morfologi dan genetik serta pengembangan teknologi penetasan ex- situ burung Maleo (*Macrocephalon maleo* Sal. Muller 1846) sebagai upaya meningkatkan efektivitas konservasi. Sekolah Pascasarjana, Institut Pertanian Bogor, Bogor.
- Wasti, S., N. Sah, and B. Mishra. 2020. Impact of heat stress on poultry health and performances, and potential mitigation strategies. Journal of Animal Science and Biotechnology, 11, 1–16. <https://doi.org/10.3390/ani10081266>.
- Widianingrum, D., T. Widyastuti, A. Anang, and I. Setiawan. 2021. Mating behavior of ciayumajakuning muscovy duck in the caged maintenance system. Jurnal Ilmu Pertanian Dan Peternakan, 09, 121–130. <https://doi.org/10.31949/agrivet.v9i2.1722>.
- Weigend, S. and M. N. Romanov. 2001. Current strategies for assessment and evaluation of genetic diversity in chicken resources. World Poultry Science Journal 57: 275 – 286. <https://doi.org/10.1079/WPS20010020>.
- Wood-Gush, D.G.M. 1954. The courtship of the brown leghorn cock. British Journal of Animal Behaviour 2, 95–102.
- Yahav, S. 2015. Regulation of body temperature: strategies and mechanisms. In *Sturkie's avian physiology* (pp. 869-905). Academic press. <https://doi.org/10.1016/B978-0-12-407160-5.00037-3>.
- Yuniko, M. 1993. Ayam kokok balenggek. Makalah pada Pertemuan Aplikasi Paket Teknologi Pertanian Sub Sektor Peternakan. 2-5 Februari 1993. Bukittinggi.



