

DAFTAR PUSTAKA

- Allendorf, F.W., and Luikart, G.H. 2007. *Conservation and The Genetics of Populations*. Blackwell Publishing. Oxford. pp 300-321.
- Al-Nasser, A., Al-Khalaifa, H., Al-Saffar, A., Khalil, F., Al-Bahouh, M., Ragheb, G., Al-Haddad, A., and Mashaly, M. 2007. Overview of chicken taxonomy and domestication. *World's Poultry Science Journal*, 63(2): 285–300.
- Alkan, S., and Türker, İ. 2021. Effects of Egg Shape Index on Egg Quality in Partridges. *Ordu Üniversitesi Bilim ve Teknoloji Dergisi*, 11(2):140–151. <https://doi.org/10.54370/ordubtd.996530>
- Amuzu-Aweh, E. N., Bovenhuis, H., De Koning, D. J., and Bijma, P. 2015. Predicting heterosis for egg production traits in crossbred offspring of individual White Leghorn sires using genome-wide SNP data. *Genetics Selection Evolution*, 47(1): 1–8. <https://doi.org/10.1186/s12711-015-0088-6>
- Angkow, M. E., Leke, J. R., Pudjiastuti, E., and Tangkau, L. 2014. Kualitas Internal Telur Ayam MB 402 yang Diberi Ransum Mengandung Minyak Limbah Ikan Cakalang (*Katsuwonus pelamis* L). *Jurnal ZooteK*, 37(2): 232–241.
- Antos, P., Andres, K., and Kapkowska, E. 2013. Preliminary Studies on Genetic Diversity of Selected Polish Local Chicken Varieties. *Journal of Central European Agriculture*, 14(1):11–22.
- Azizah, N., Djaelani, M. A., & Mardiaty, S. M. 2018. Kandungan Protein, Indeks Putih Telur (IPT) dan Haugh Unit (HU) Telur Itik Setelah Perendaman dengan Larutan Daun Jambu Biji (*Psidium guajava*) yang disimpan pada Suhu 270C. *Buletin Anatomi Dan Fisiologi*, 3(1):46.
- Bandu, I. S., Sutedjo, H., & Jelantik, I. N. 2015. Pengaruh Strain pejantan terhadap Daya tetas dan Berat DOC dari Induk Ayam Petelur Strain CP 909. *Jurnal Nukleus Peternakan*, 2(2): 179–185.
- Bell, D., & Weaver. 2002. *Commercial Chicken Meat and Egg*. Kluwer Academic Publisher. United States of America.
- Bruijns, B., Hoekema, T., Oomens, L., Tiggelaar, R., & Gardeniers, H. 2022. Performance of Spectrophotometric and Fluorometric DNA Quantification Methods. *Analytica*, 3(3): 371–384. <https://doi.org/10.3390/analytica3030025>
- Buckle, K. A., Edwards, R. A., Fleet, G. H., & Wootton, M. 1987. *Ilmu Pangan*. Universitas Indonesia Press. Jakarta.
- Budiyanto, F., Natalia, H., & SN, S. W. 2017. Kajian Produksi Telur Mingguan dan FCR Ayam Arab Sembawa sebagai Sumber Protein Hewani Lokal Prospektif. *Prosiding Seminar Nasional Teknologi Peternakan Dan Veteriner 2017*. 514–519. <https://doi.org/10.14334/pros.semnas.tpv-2017-p.516-521>
- Cao, Z. D., Barron, E. A., Carillo, A. J., & Sharp, Z. D. 1987. Reconstitution of cell-type-specific transcription of the rat prolactin gene in vitro. *Molecular and Cellular Biology*, 7(10): 3402–3408. <https://doi.org/10.1128/mcb.7.10.3402->

3408.1987

- Cicek, T., & Kartalkanat, A. 2009. Comparison of Village Eggs and Commercial Eggs in Terms of Egg Quality. *Journal of Animal and Veterinary Advances*, 8(12): 2542–2545.
- Cleland, W. W. 1964. Dithiothreitol, a New Protective Reagent for SH Groups. *Biochemistry*, 3(4): 480–482. <https://doi.org/10.1021/bi00892a002>
- Creswell, D.C and Gunawan, B. 1982. Ayam-ayam lokal di Indonesia: Sifat-sifat produksi pada lingkungan yang baik. Laporan No. 2. Balai Penelitian Ternak. Bogor. Indonesia. Pp 9-14.
- Cui, J. X., Du, H. L., Liang, Y., Deng, X. M., Li, N., & Zhang, X. Q. 2006. Association of polymorphisms in the promoter region of chicken prolactin with egg production. *Poultry Science*, 85(1): 26–31. <https://doi.org/10.1093/ps/85.1.26>
- Damerow, G. 2017. *Storey's Guide to Raising Chickens* (4th ed.). Storey Publishing. North Adams. pp 211-233.
- Daryono, B.S. , & Perdamaian, A. B. I. 2019. *Karakterisasi dan Keragaman Genetik Ayam Lokal Indonesia*. Gadjah Mada University Press. Yogyakarta. pp 47-60.
- Daryono, B.S., & Puspita, U. E. 2017. Pola Pewarisan Crest Ayam (*Gallus gallus domesticus*, Linnaeus 1758) Backcross Hasil Persilangan Ayam Mahkota dengan Ayam Kampung. *Jurnal Sain Veteriner*, 33(2): 134–142. <https://doi.org/10.22146/jsv.17884>
- Dirgahayu, F. I., Septinova, D., & Nova, K. 2016. Perbandingan Kualitas Eksternal Telur Ayam Ras Strain Isa Brown dan Lohmann Brown. *Jurnal Ilmiah Peternakan Terpadu*, 4(1): 1–5.
- Duman, M., Şekeroğlu, A., Yıldırım, A., Eleroğlu, H., and Camcı. 2016. Relation between Egg Shape Index and Egg Quality Characteristics. *European Poultry Science*, 80(1): 1–9. <https://doi.org/10.1399/eps.2016.117>
- Ernanto, A. R. (2017). Asosiasi polimorfisme gen *PRL* dan *IGF-1* terhadap produktivitas telur ayam (*Gallus gallus domesticus* Linnaeus, 1758) F₁ hasil persilangan ayam Pelung dan *Layer*. *Tesis*. Fakultas Biologi. Universitas Gadjah Mada.
- Faikoh, N.E. 2014. *Keajaiban Telur*. Istana Media, Yogyakarta.
- Febria, M., Garnida, D., Asmara, I. Y., dan Hidayat, D. 2022. Evaluasi Haugh Unit (HU) dan Indeks Albumen dengan Menggunakan Gelombang Ultrasonik pada Telur Ayam Ras. *Jurnal Produksi Ternak Terapan (JPTT)*, 3(1): 33.
- Fitriani, E., Isdadiyanto, S., dan Tana, S. 2016. Kualitas Kerabang Telur pada Berbagai Itik Petelur Lokal di Balai Pembibitan dan Budidaya Ternak Non Ruminansia (BPBTNR), Ambarawa. *BIOMA*, 18(2): 107-113.

- Frankham, R., Ballou, J.D., and Briscoe, D.A. 2002. *Introduction to Conservation Genetic*. Cambridge. Cambridge University Press.
- Freeman, M. E., Kanyicska, B., Lerant, A., and Nagy, G. 2006. Prolactin: Structure, function, and regulation of secretion. *Knobil and Neill's Physiology of Reproduction*, 80(4): 1703–1726.
- Guo, Y., Gu, X., Sheng, Z., Wang, Y., Luo, C., Liu, R., Qu, H., Shu, D., Wen, J., Crooijmans, R. P. M. A., Carlborg, Ö., Zhao, Y., Hu, X., and Li, N. 2016. A Complex Structural Variation on Chromosome 27 Leads to the Ectopic Expression of HOXB8 and the Muffs and Beard Phenotype in Chickens. *PLoS Genetics*, 12(6): 1–24.
- Habibah, I. 2018. Karakterisasi Gen cTYR Intron 4 dengan Pigmentasi Bulu Ayam Hibrida Golden kamper (*Gallus gallus gallus* Linnaeus, 1758). *Skripsi*. Universitas Gadjah Mada. Yogyakarta.
- Hall, B. K. 1995. Atavisms and atavistic mutations. *Nature Genetics*, 10(2): 126–
- Harahap, M. R. 2018. Elektroforesis: Analisis Elektronika Terhadap Biokimia Genetika. *CIRCUIT: Jurnal Ilmiah Pendidikan Teknik Elektro*, 2(1): 21–26.
- Hardjosubroto, W. 1994. *Aplikasi Pemuliabiakan Ternak di Lapangan*. Grasindo. Jakarta.
- Hargitai, R., Mateo, R., & Török, J. 2011. Shell thickness and pore density in relation to shell colouration, female characteristics, and environmental factors in the Collared Flycatcher *Ficedula albicollis*. *Journal of Ornithology*, 152(3): 579–588.
- Haryanto, A.N., Sarengat, W., dan Sunarti, D. 2019. Kualitas Fisik Telur Itik Tegal yang Dipelihara Menggunakan Sistem Pemeliharaan Intensif dan Semi Intensif di KTT Bulusari Kabupaten Pemalang. *Sains Peternakan*, 17 (1) : 29–37.
- Headon, D. 2015. Morphological Mutations: Lessons from the Cockscomb. *PLoS Genetics*, 11(3): 6–8.
- Hidayah, A. N. 2023. Asosiasi Polimorfisme Gen OCX-32 terhadap Kualitas Telur Ayam Hibrida. *Skripsi*. Fakultas Biologi. Universitas Gadjah Mada. Yogyakarta.
- Hidayat, S. N. 2022. Produktivitas Telur dan Deteksi Gen *PRL* pada Ayam F2 Hibrida Mahkota (*Gallus gallus domesticus* Linnaeus, 1758) Hasil Persilangan Resiprok. *Skripsi*. Fakultas Biologi. Universitas Gadjah Mada. Yogyakarta.
- Hincke, M. T., Nys, Y., Gautron, J., Mann, K., Rodriguez-Navarro, A. B., and McKee, M. D. 2012. The Eggshell: Structure, Composition and Mineralization. *Frontiers in Bioscience*, 17(4): 1266–1280.
- Howard, J.T., Pryce, J.E., Baes, C., and Maltecca, C. 2017. Invited Review : Inbreeding in The Genomic Era : Inbreeding, Inbreeding Depression, and Management of Genomic Variability. *J. Dairy Sci*, 100; 6009–6024.

- Idayanti, Darmawati, S., & Nurullita, U. 2009. Perbedaan Variasi Lama Simpan Telur Ayam pada Penyimpanan Suhu Almari Es dengan Suhu Kamar terhadap Total Mikroba. *Jurnal Kesehatan*, 2(1):19–26.
- Indra, G., Achmanu, A., dan Nurgiartiningsih, A. 2013. Performans Produksi Ayam Arab (*Gallus turcicus*) berdasarkan Warna Bulu. *Jurnal Ternak Tropika*, 14(1): 8–14.
- Iskandar, S. 2010. *Usahatani Ayam Kampung*. Balai Penelitian Ternak Ciawi Bogor.
- Jazil, N., Hintono, A., and Mulyani, S. 2013. Kerabang Berbeda Selama Penyimpanan. *Jurnal Aplikasi Teknologi Pangan*, 2(1): 43–47.
- Joseph, N. S., Robinson, N. A., Renema, R. A., & Robinson, F. E. 1999. Shell Quality and Color Variation in Broiler Breeder Eggs. *Journal of Applied Poultry Research*, 8(1): 70–74. <https://doi.org/10.1093/japr/8.1.70>
- Kaharuddin, D., Kususiyah, K., and Saputra, M. A. 2020. Performa Fase Awal Produksi pada Ayam Ketarras dan Ayam Arab Betina. *Buletin Peternakan Tropis*, 1(1): 25–34. <https://doi.org/10.31186/bpt.1.1.25-34>
- Kementan. 2020. *Statistik Peternakan dan Kesehatan Hewan / Livestock and Animal Health Statistics 2020*. Direktorat Jenderal Peternakan dan Kesehatan Hewan Kementerian Pertanian RI.
- Khawaja, T., Khan, S. H., Mukhtar, N., Parveen, A., and Ahmed, T. 2013. Comparative Study of Growth Performance, Meat quality and Haematological Parameters of Three-way Crossbred Chickens with Reciprocal F₁ Crossbred Chickens in a Subtropical Environment. *Journal of Applied Animal Research*, 41(3): 300–308.
- Kilatsih, R. 2020. Analisis Korelasi Polimorfisme Gen PRL terhadap Produktivitas Telur Ayam (*Gallus gallus domesticus*, Linn 1758) BC1 Hasil Persilangan Ayam Pelung dan Ayam. *Tesis*. Fakultas Biologi. Universitas Gadjah Mada. Yogyakarta.
- Kondrashov, A. S., and Rogozin, I. B. 2004. Context of Deletions and Insertions in Human Coding Sequences. *Human Mutation*, 23(2) :177–185.
- Kraus, A., Zita, L., Krunt, O., Härtlová, H., and Chmelfíková, E. 2021. Determination of selected biochemical parameters in blood serum and egg quality of Czech and Slovak native hens depending on the housing system and hen age. *Poultry Science*, 100(2): 1142–1153.
- Lapihu, Y. L., Telupere, F. M. S., dan Sutedjo, H. 2019. Kajian Fenotip dan Genetik Performa Pertumbuhan dari Persilangan Ayam Lokal dengan Ayam Ras Petelur Isa Brown. *Jurnal Sain Peternakan Indonesia*, 14(3): 298–305.
- Lesmana, I. 2014. *Pewarisan Crest dan Polimorfisme Gen HOXC8 pada Ayam Hibrida (*Gallus gallus domesticus*. Linn.,1758) Hasil Persilangan Ayam Kampung dengan Ayam Mahkota*. Skripsi. Fakultas Biologi. Universitas Gadjah Mada. Yogyakarta.

- Lestari, D., dan Wanniatie, V. 2015. Pengaruh Lama Penyimpanan Dan N Warna Kerabang Terhadap P Kualitas Internal Telur Itik Tegal the Effects of Storage Time and Eggshell Colour of Tegal Duck Eggs on Th E Internal Egg Quality. *Jurnal Ilmiah Peternakan Terpadu*, 3(1):7–14.
- Li, H. F., Zhu, W. Q., Chen, K. W., Zhang, T. J., and Song, W. T. 2009. Association of polymorphisms in the intron 1 of duck prolactin with egg performance. *Turkish Journal of Veterinary and Animal Sciences*, 33(3): 193–197. <https://doi.org/10.3906/vet-0709-4>
- Liu, L.-B., Li, D.-Y., Zhao, X.-L., Liu, Y.-P., Wang, Y., and Zhu, Q. 2012. Polymorphism of Prolactin Receptor gene and its Association with Egg production Traits Erlang Mountainous Chicken. *Asian Journal of Animal and Veterinary Advances*, 7(11):1183–1190.
- Liu, Z., Yang, N., Yan, Y., Li, G., Liu, A., Wu, G., and Sun, C. 2019. Genome-wide association analysis of egg production performance in chickens across the whole laying period. *BMC Genetics*, 20(1): 1–9.
- Lohmann.2020. *Management Guide Cage Housing:Lohmann Brown-Classic*.Lohmann Breeders.
- Lorenz, T. C. 2012. Polymerase chain reaction: Basic protocol plus troubleshooting and optimization strategies. *Journal of Visualized Experiments*, 1(63): 1–15.
- Lucena-Aguilar, G., Sánchez-López, A. M., Barberán-Aceituno, C., Carrillo-Ávila, J. A., López-Guerrero, J. A., and Aguilar-Quesada, R. 2016. DNA Source Selection for Downstream Applications Based on DNA Quality Indicators Analysis. *Biopreservation and Biobanking*, 14(4): 264–270.
- Machdi, D. E. I. 2022. *Statistik Indonesia (Statistical Yearbook of Indonesia)*. Badan Pusat Statistik.Jakarta.
- Mahardhika, I. W. S., & Daryono, B. S. 2019. The Phenotypic Performance of Kambro Crossbreeds of Female Broiler Cobb 500 and Male Pelung Blirik Hitam. *Buletin Veteriner Udayana*, 11(2): 188–202.
- Manoharan, A., Sankaralingam, S., Anitha, P., Chacko, B., & Aravindakshan, T. V. 2021. Characterization of 24bp Insertion Polymorphism of Prolactin Gene and its Association with Quantitative Traits in Tellicherry Native Chicken Breed. *Indian Journal of Animal Research*, 1(1),:1–5.
- Menezes, C.P., Lima E.R., Medeiros J.P., Oliveira W.N. K., and Evêncio-Neto.J. 2012. *Egg Quality of Laying Hens in Different Conditions of Storage, Ages, and Housing Densities*. Revista Brasileira de Zootecnia, Brasil.
- Muir, F. 1990. Commercial Chicken Production Manual. *Poultry Science*, 69(6): 1036. <https://doi.org/10.3382/ps.0691036>
- Nataamijaya, A.G. 2000. The Native of Chicken of Indonesia, *Buletin Plasma Nufrah* (1). Balitbang Pertanian, DEPTAN.
- Nussey, S., and Whitehead, S. 2001. *Endocrinology An Integrated Approach*. BIOS Scientific Publishers Limited.New York.

- Okatama, M. S., Maylinda, S., dan Nurgartiningih, V. M. A. 2018. Hubungan Bobot Telur dan Indeks Telur dengan Bobot Tetas Itik Dabung di Kabupaten Bangkalan. *Journal of Tropical Animal Production*, 19(1): 1–8.
- Prince, E.O. 1984. Behavioral Aspects of Animal Domestication. The Quarterly Review of Biology, 59:1-32
- Purwanti, M., Ace, I. S., Rizal, K., dan Wahyuningsih. 2006. Performans mutu ayam buras pedagang hasil persilangan ayam pelung jantan dengan ayam lokal betina. *Penyuluhan Pertanian*, 1(1): 11–17.
- Purwati, D., Djaelani, M. A., dan Yuniwati, E. Y. W. 2015. Indeks Kuning Telur (IKT), Haugh Unit (HU) dan Bobot Telur pada Berbagai Itik Lokal di Jawa Tengah. *Jurnal Biologi*, 4(2): 1–9.
- Rahadi, S. 2012. *Manajemen Peternakan Ayam Petelur*. Diaspora Publisher. Jakarta. p 97.
- Ramadanti, A. F., Rahmat, D., dan Garnida, D. 2022. Pengaruh Lebar Yolk, Tinggi Yolk dan Indeks Yolk terhadap Haugh Unit Telur Itik Lokal (*Anas sp.*). *Jurnal Produksi Ternak Terapan (JPTT)*, 2(2): 64.
- Ramadhani, N., Herlina, H., & Pratiwi, A. C. 2019. Perbandingan Kadar Protein Telur Pada Telur Ayam Dengan Metode Spektrofotometri Vis. *Kartika : Jurnal Ilmiah Farmasi*, 6(2):53. <https://doi.org/10.26874/kjif.v6i2.142>
- Rasyaf, M. 2011. *Beternak Ayam Kampung*. Penerbit Penebar Swadaya : Jakarta.
- Rashidi, H., Rahimi-Mianji, G., Farhadi, A., and Gholizadeh, M. 2012. Association of prolactin and prolactin receptor gene polymorphisms with economic traits in breeder hens of indigenous chickens of Mazandaran province. *Iranian Journal of Biotechnology*, 10(2): 129–135.
- Retnosari, D. 2022. *Asosiasi Polimorfisme Gen Ovoinhibitor (OIH) terhadap Kualitas Telur pada Ayam Hibrida Golden Kamper (Gallus gallus domesticus Linnaeus , 1758)*. Tesis. Fakultas Biologi. Universitas Gadjah Mada. Yogyakarta.
- Ribaut, J. M., and Ragot, M. 2007. Marker-assisted Selection to Improve Drought Adaptation in Maize: The Backcross Approach, Perspectives, Limitations, and Alternatives. *Journal of Experimental Botany*, 58(2): 351–360.
- Riswanta, U. R. 2021. Analisis Pewarisan Bulu Walik (Frizzle) dan Polimorfisme Gen KRT75 Ayam Hibrida (*Gallus gallus domesticus* , Linnaeus 1758) Hasil Persilangan ♀ BC 3 Golden Kamper dan ♂ Ayam Mahkota. *Skripsi*. Fakultas Biologi. Universitas Gadjah Mada. Yogyakarta,
- Romanoff, A. L., and Romanoff, A. J. 1963. *The' Avian Egg*. Jhon Willey and Sons. Inc. <https://doi.org/10.20961/sainspet.v17i2.30212>
- Romanov, M. N., Talbot, R. T., Wilson, P. W., & Sharp, P. J. 2002). Genetic control of incubation behavior in the domestic hen. *Poultry Science*, 81(7): 928–931.
- Sartika, T., Iskandar, S., dan Tiesnamurti, B. 2016. *Sumber Daya Genetik Ayam*

Lokal Indonesia dan Prospek Pengembangannya. Badan Penelitian dan Pengembangan Pertanian. Bogor.

Sarvestani, B., Niazi, Zamiri, and Taromsari, D. 2013. Polymorphisms of prolactin gene in a native chicken population and its association with egg production. *Iranian Journal of Veterinary Research, Shiraz University, 2013, 14(2):113–119*.

Scanes, C.G., Brant, G., and Ensminger, M.E. 2004. *Poultry Science*. Pearson Premiece Hall. New York.

Siegel, P.B. 2014. Evolution of The Modern Broiler and Feed Efficiency. *Annu. Rev. Anim. Biosci*, 2014 (2) : 375-378.

Singh, U. A., Kumari, M., and Iyengar, S. 2018. Method for Improving the Quality of Genomic DNA Obtained from Minute Quantities of Tissue and Blood Samples Using Chelex 100 Resin. *Biological Procedures Online*, 20(1):1–8.

SNI. 2008. *SNI 3926:2008 Telur Ayam Konsumsi*. Badan Standarisasi Nasional. Jakarta. http://blog.ub.ac.id/cdrhprimasanti90/files/2012/05/13586_SNI-3926_2008-Telur-Konsumsi.pdf

Sodak, J. F. 2011. *Karakteristik Fisik dan Kimia Telur Ayam Arab pada Dua Peternakan di Kabupaten Tulungagung, Jawa Timur*. Skripsi. Institut Pertanian Bogor. Bogor.

Soeparno, Rihastuti, R. A., Indratiningsih, dan Triatmojo, S. 2018. *Dasar Teknologi Hasil Ternak*. UGM PRESS. Yogyakarta.

Suceveanu, A. I., Mazilu, L., and Suceveanu, A.-P. 2014. *COL11A1 Genetic Biomarker Targeted in Stool Samples for Early Diagnosis of Colorectal Cancer in Patients at Risk*. INTECH Open Science. <https://doi.org/http://dx.doi.org/10.5772/57327>

Sulandri, S., Zein, M.S.A., Asruti, D., and Sartika, T. Genetic Polymorphisms of The Chicken Antiviral Mx Gene in A Variety of Indonesian Indegenous Chicken Breeds. *Jurnal Veteriner*, 10(2): 50-56.

Suprijatna, E. 2010. Strategi Pengembangan Ayam Lokal Berbasis Sumber Daya Lokal Dan Berwawasan Lingkungan. In *Seminar Nasional Unggas Lokal ke IV Fakultas Peternakan Universitas Diponegoro* (Vol. 4, Issue 17).

Suryo. 1984. *Genetika untuk strata I*. Gadjah Mada University Press. Yogyakarta.

Susanti, T., dan Prasetyo, L. 2008. Pendugaan Parameter Genetik Sifat-sifat Produksi Telur Itik Albino. *Seminar Nasional Teknologi Peternakan Dan Veteriner*, 588–592.

Susmiyanto, K., Mudikdjo., dan Suhardy. 2010. Studi Kasus Peternakan Hasil Silangan Ayam Arab dengan Ayam Kampung di Desa Bantarpanjang, Sukaji, Bogor. <http://jurnal.dikti.go.id/jurnal/detil/id/24:118454/q/pengarang:Susmiyanto>

Sutrisno, I. K., Arundina, I., & Sosiawan, A. 2013. Identifikasi bite marks dengan

ekstraksi DNA metode Chelex (Bite marks identification with Chelex methods in DNA extraction). *Dental Journal (Majalah Kedokteran Gigi)*, 46(2):107.

Tamzil, Moh. Hasil, & Indarsih, B. 2022. Thirty Years Development Observation of Braekel Chicken (*Gallus turnicus*) into Arabic Chicken in Indonesia. *Asian Journal of Animal Sciences*, 16(2): 62–67.

Tamzil, Mohammad Hasil, Haryani, N. K. D., and Jaya, I. N. S. 2018. Polymorphism of qualitative traits of Arabic chicken: A case study in istiqomah farmer group, dasan Cermen, Mataram, west Nusa Tenggara, Indonesia. *International Journal of Poultry Science*, 17(8): 378–384.

Tan, Y. G., Xu, X. L., Cao, H. Y., Zhou, W., and Yin, Z. Z. 2021. Effect of age at first egg on reproduction performance and characterization of the hypothalamo–pituitary–gonadal axis in chickens. *Poultry Science*, 100(9): 1–8.

Telalbasic, R., Baban, M., and Rahmanovic, A. 2007. *Inbreeding***. Biotechnology in Animal Husbandry, 23 (5-6): 113-130.

Tugiyanti, E., & Iriyanti, N. 2012. Kualitas Eksternal Telur Ayam Petelur yang Mendapat Ransum dengan Penambahan Tepung Ikan Fermentasi Menggunakan Isolat Prosedur Antihistamin. *Jurnal Aplikasi Teknologi Pangan*, 1(2) : 44-47.

Upchurch, D. A., Shankarappa, R., and Mullins, J. I. 2000. Position and degree of mismatches and the mobility of DNA heteroduplexes. *Nucleic Acids Research*, 28(12):1–5.

USDA. 2000. Egg-Grading Manual. In *Agricultural Handbook*. United States Of Department Agriculture.

Utomo, D. M. 2017. Performa Ayam Ras Petelur Coklat dengan Frekuensi Pemberian Ransum yang Berbeda. *Jurnal Aves*, 11(2): 10–27.

Wakchaure, R., and Ganguly, S. 2015. Marker Assisted Selection (MAS) in Animal Breeding: A Review. *Journal of Drug Metabolism & Toxicology*, 6(5) :6–9.

Wang, C., Liang, Z., Yu, W., Feng, Y., Peng, X., Gong, Y., and Li, S. 2011. Polymorphism of the prolactin gene and its association with egg production traits in native Chinese ducks. *South African Journal of Animal Sciences*, 41(1): 63–69.

Wang, Y., Gao, Y., Imsland, F., Gu, X., Feng, C., Liu, R., Song, C., Tixier-Boichard, M., Gourichon, D., Li, Q., Chen, K., Li, H., Andersson, L., Hu, X., and Li, N. 2012. The crest phenotype in chicken is associated with ectopic expression of *hoxc8* in cranial skin. *PLoS ONE*, 7(4):1-5.

Wang, J., Li, J., Ge, Q., Chen, Z., and Li, J. 2020. Effects of Inbreeding on Genetic Characteristic, Growth, Survival Rate, and Immune Response of a New Inbred Line of *Exopalaemon carinicauda*. *International Journal of Genomic*, 1 (1):1-11.

Węglarz, A., Andres, K., and Wojtysiak, D. 2020. Slaughter value and meat quality

in two strains of polish crested cockerels. *Italian Journal of Animal Science*, 19(1): 813–821. <https://doi.org/10.1080/1828051X.2020.1772132>

- Wijaya, A. D., Munir, M., and Kadir, M. J. 2019. Pengaruh Topografi dan Umur Ayam yang Berbeda terhadap Ketebalan Kerabang dan Ph Telur Ayam Ras Petelur. *Bionature*, 20(1): 14–20.
- Wilkanowska, A. W., Mazurowski, A. M., Mroczkowski, S. M., and Kokoszyński, D. K. 2014. Prolactin (*PRL*) and Prolactin Receptor (*PRLR*) Genes and their Role in Poultry Production Traits. *Folia Biologica (Krakow)*, 62(1): 1–8.
- Yamamoto, T., Juneja, L., Hatta, H., & Kim, M. 1997. Hen Eggs Their Basic and Applied Science. In *CRC Press*. 35(9):1-9.
- Yuan, J., Sun, C., Dou, T., Yi, G., Qu, L. J., Qu, L., Wang, K., and Yang, N. 2015. Identification of promising mutants associated with egg production traits revealed by genome-wide association study. *PLoS ONE*, 10(10): 1–20.
- Yumna, M. H., Zakaria, A., dan Nurgiartiningsih, V. M. A. 2011. Kuantitas dan Kualitas Telur Ayam Arab (*Gallus turcicus*) Silver dan Gold. *Jurnal Ilmu-Ilmu Peternakan*, 23(2):19–24.
- Yuwanta, T. 2010. *Dasar Ternak Unggas*. Kanisius.Yogyakarta.
- Zein, M.S.A., dan Sulandri, S. 2009. Investigasi Asal Usul Ayam Indonesia Menggunakan Sekuens Hypervariable-1 D-loop DNA Mitokondria. *Jurnal Veteriner*, 10 (1):41-49.
- Zhao, Y., Li, D., Bai, X., Luo, M., Feng, Y., Zhao, Y., Ma, F., and Yang, G. Y. 2021. Improved thermostability of proteinase K and recognizing the synergistic effect of Rosetta and FoldX approaches. *Protein Engineering, Design and Selection*, 34(2018):1–7.
- Zulhajji. 2020. Analisis Perbandingan Temperatur Dalam dan Luar serta Kelembaban Relatif pada Mesin Penetas Telur tenaga Listrik. *Jurnal Media Elektrik*, 18(1): 69–75.