

DAFTAR PUSTAKA

- Abrianto, I.M.U., L. Hakim dan V.M.A. Nurgartiningih. 2017. Pendugaan Heritabilitas Rill (Realized Heritability) Dan Kemajuan Genetik Produksi Telur Itik Mojosari. *Jurnal Ilmu-Ilmu Peternakan* 27 (2): 74 – 80.
- Aggrey, S.E. and R. Okimoto. 2003. Genetic Markers : Prospects and Application in Genetic Analysis. In *Poultry Genetics, Breeding And Biotechnology*. CAB International.
- Alberobello AT, V. Congedo, H. Liu, C. Cochran, M.C. Skarulis, D. Forrest, and F.S. Celi. 2011. An intronic SNP in the thyroid hormone receptor beta gene is associated with pituitary cell-specific over-expression of a mutant thyroid hormone receptor beta2 (R338W) in the index case of pituitary-selective resistance to thyroid hormone. *J. Transl. Med.* 9 : 144
- Ali S, C. Z, JJ Lebrun, W. Vogel, A. Kharitononkov, P.A.Kelly and A. Ullrich. 1996. PTP1D is a positive regulator of the prolactin signal leading to b-casein promoter activation. *Embo. J.* 15 : 135–142.
- Anang, A., N. Mielenz and L. Schüler. .2000. Genetic And Phenotypic Parameters For Monthly Egg Production On Laying Hens. *J. Anim. Breed. Genet.*: 117: 407-415.
- Applegate, T.J., D. Harper, and L. Lilburn. 1998. Effects of hen age on egg composition and embryo development in commercial Pekin ducks. *J. Poult. Sci.* 77: 1608–1612
- Arendonk, J. A.M.V. and H. Bovenhuis. 2003. Design and methods to detect QTL for production traits in poultry genetics, In : *Breeding And Biotechnology*. CAB International.
- Bachelot, A.and N. Binart. 2007. Reproductive role of prolactin. *Reproduction.* 133 : 361–369
- Badan Standardisasi Nasional. 2009. SNI 7556:2009 Bibit induk (parent stock) itik Alabio muda. BSN, Jakarta
- Badan Standardisasi Nasional. 2009. SNI 7559:2009 Bibit induk (parent stock) itik Mojosari muda. BSN, Jakarta
- Becker, W. A. 1992. *Manual of Quantitative Genetics*. Fifth Edition. Academic Enterprises. Pullman. Washington
- Bole-Feysot C, V. Goffin, M. Edery , N. Binart and P.A. Kelly. 1998. Prolactin (PRL) and its receptor: actions, signal transduction pathways and phenotypes observed in PRL receptor knockout mice. *Endocr. Rev.* 19:225–268.
- Bouilly, J., C. Sonigo, J. Auffret, G. Gibori and N. Binart. 2012. Prolactin signaling mechanisms in ovary. *Mol. Cell. Endocrinol.* 356 : 80–87
- Boukila, B., M. Desmares, J.P Pareand D. Bolambia. 1987. Selection For Increased Egg Production Based On Annual Record In Three Strain Of White Leghorn. Comparison Of Different Partial Record To Improve Annual Egg Record. *J. Poult. Sci.* 66:1077-1084.

- Bourdon, R.M. 2002. *Understanding Of Animal Breeding*. Prentice Hall, New Jersey.
- Bulfield, G. 1997. Symposium: Genetic selection strategies for the future. *J. Poult. Sci.* 6:1071-1074
- Cameron, N.D. 1997. *Selection Indices And Prediction Of Genetic Merit In Animal Breeding*. Cab International.
- Chang, M.T., Y.S. Cheng and M.C. Huang. 2012. Assosiation of prolactin haplotypes wwith reproductive traits in Tsaiya ducks. *Anim. Reprod. Sci.* 135: 91-96
- Cheng, Y.S., R. Rouvier, J.P. Poivey dan C. Tai. 1995. Genetic parameters of body weight, egg production and shell quality traits in the Brown Tsaiya laying duck. *Genet. Sel. Evol.* 27: 459-472.
- Chorev M., and L. Carmel . 2012. The function of introns. *Bioinforma. Comput. Biol.* 3: 1-15.
- Cunningham, E.P. 1969. *Animal Breeding Theory*. Institute of Animal Genetics and Breeding, Oslo.
- Dana, N., E.H.V. Waaij and J.A.M.V Arendonk. 2011. Genetic and phenotypic parameter estimates for body weights and egg production in Horro chicken of Ethiopia. *Trop. Anim. Health. Prod.* 43:21–28
- Daniel, L.H. 1980. *An Introduction to practical animal breeding*. Granada Publ. Ltd. London.
- Devi, Y.S., A.M Seibold, A. Shehu, E. Maizels, J. Halperin, J. Le, N. Binart, L. Bao, and G. Gibori. 2011. Inhibition of MAPK by prolactin signaling through the short form of its receptor in the ovary and decidua: involvement of a novel phosphatase. *J. Biol. Chem.* 286 : 7609–7618.
- Dinas Peternakan Provinsi Kalimantan Selatan. 2011. *Laporan Tahunan*. Dinas Peternakan Provinsi Kalimantan Selatan, Banjarbaru.
- Direktorat Jenderal Peternakan dan Kesehatan Hewan. 2018. *Statistik Peternakan Dan Kesehatan Hewan 2018*. Direktorat Jenderal Peternakan dan Kesehatan Hewan Kementerian Pertanian Republik Indonesia, Jakarta.
- Elrod, S. dan W. Stansfield. 2007. *Genetika*. Erlangga, Jakarta
- Falconer, D.S., and T. F. C. Mackay. 1996. *Introduction To Quantitatif Genetics*. 4th Edition. John Willey And Sons Inc., New York.
- Fan, H.Y., Z. Liu, M. Shimada, E. Sterneck, P.F. Johnson, S.M. Hedrick and J.S., Richards. 2009. MAPK3/1 (ERK1/2) in ovarian granulosa cells are essential for female fertility. *Science.* 324 : 938–941.
- Fatchiyah, E.L. Arumingtyas, S. Widyanti, dan S. Rahayu. 2011. *Biologi molekular : prinsip dasar analisis*. Penerbit Airlangga. Jakarta
- Foster, W. H., 1981. The estimation of rate of lay from part-record data. *Br. Poult. Sci.* 22:399-405.

- Goto Y, L. Yue, A. Yokoi, R. Nishimura, T. Uehara, S. Koizumi and Y. Saikawa. 2001. A novel single-nucleotide polymorphism in the 3 untranslated region of the human dihydrofolate reductase gene with enhanced expression. *Clin. Cancer Res.* 7:1952–1956.
- Haase E, and V. Donham. 1980. Hormones and domestication. In: Epple A, Stetson MH editor. *Avian Endocrinology*. New York: Academic Pr. hlm 549-565
- Hagger, C. 1994. Genetic correlations between body weight of cocks and production traits in laying hens, and their possible use in breeding schemes. *J. Poult. Sci.* 73:381-387.
- Handoyo, D, Ari Rudiretna. 2001. Prinsip Umum Dan Pelaksanaan Polymerase Chain Reaction (Pcr) [General Principles And Implementation Of Polymerase Chain Reaction]. *Unitas.* 9 (1) :17-29
- Harahap, F.A. 2005. Pendugaan Parameter Genetik Sifat-Sifat Produksi Telur Itik Alabio Dan Penggunaannya Pada Seleksi. Tesis. Sekolah Pascasarjana Institut Pertanian Bogor
- Hardjosubroto, W. 1994. Aplikasi Pemuliabiakan Ternak Di Lapangan. Penerbit Grasindo. Jakarta
- Hardjosubroto, W. 2001. Genetika Ternak Fakultas Peternakan. Universitas Gadjah Mada Jogjakarta
- Hardjosworo, P.S., A.R. Setioko, P.P. Ketaren, L.H. Prasetyo, A.P. Sinurat, dan Rukmiasih. 2001. Pengembangan teknologi peternakan unggas air di Indonesia. In : *Prosiding Lokakarya Unggas Air sebagai Peluang Usaha Baru*. Bogor. pp. 22-41
- Harris, H. 1994. *Dasar-dasar Genetika Biokemis Manusia*. 3rd Edition. Diterjemahkan oleh Abdul Salam M. Sofro, Ph.D. Gadjah Mada University Press, Yogyakarta
- Hartatik, T. 2015. *Analisis Genetika Molekuler Sapi Madura*. Gadjah Mada University Press, Yogyakarta
- Hetzel, D.J.S. 1985. Duck breeding strategies the Indonesian example.. In : D.J. Farrel and P. Stapleton (Eds). *Duck Production Science and World Practice*. University of New England. Pp 1-5
- Hu A, Y.H., J.P., B. C. Poivey , R. C. D. Rouvier , S.C. Liu A and C. Tai 2004. Heritabilities and genetic correlations of laying performance in muscovy ducks selected in Taiwan. *Br. Poult. Sci.* 45:180–185.
- Hu, Y.H., J.P. Poivey, R. Rouvier, and C.T. Wang Danc. 1999. Estimation of genetic parameters of muscovy laying performances in Taiwanese climatic condition. In : *Proceeding 1st World Waterfowl Conference*, Taichung, Taiwan, Republic Of China. Pp. 102 – 107.
- Ismoyowati, I. Suswoyo, A.T.A. Sudewo and S. A. Santosa. 2011. Increasing productivity of egg production through individual selection on Tegal ducks (*Anas javanicus*). *Animal Production.* 11:183-188.

- Jiang R.S, G.Y. Xu, X.Q. Zhang and N. Yang. 2005. Association of polymorphisms for prolactin and prolactin receptor genes with broody traits in chickens. *J. Poult. Sci.*84 : 839–845.
- Jiang, R.S., L.L. Zhang, Z.Y. Geng, T. Yang and S.S. Zhang. 2009. Single nucleotide polymorphisms in the 5'-flanking region of the prolactin gene and the association with reproduction traits in geese. *S. Afr. J. Anim. Sci.* 39:83-87.
- Kagya, A. J.K, S. Shendan and B. Yinzuo. 2012. Studies on the endocrine and neuroendocrine control of broodiness in the Yuehuang Hen. *Int. J. Poult. Sci.* 11 : 488-495.
- Kansaku, N., G. Hiyama, T. Sasanami and D. Zadworny. 2008. Prolactin and growth hormone in birds : protein structure, gene structure and genetic variation. *J. Poult. Sci.* 45:1-6.
- Kansaku, N., T. Ohkubo , H. Okabayashi , D. Guemene, U. Kuhnlein, D. Zadworny and K. Shimada. 2005. Cloning of duck PRL cDNA and genomic DNA. *Gen. Comp. Endocrinol.* 141:39–47.
- Kementan. 2011. Keputusan Menteri Pertanian Nomor 2921/Kpts/Ot.140/6/2011 Tentang Penetapan Rumpun Itik Alabio. Jakarta
- Kementan. 2011. Keputusan Menteri Pertanian Nomor 2921/Kpts/Ot.140/6/2011 Tentang Penetapan Rumpun Itik Alabio. Kementerian Pertanian Republik Indonesia, Jakarta
- Kementan. 2012. Keputusan Menteri Pertanian Nomor 2837/Kpts/Lb.430/8/2012 Tentang Penetapan Rumpun Itik Mojosari. Kementerian Pertanian Republik Indonesia, Jakarta.
- Ketaren, P. P. 2007. Peran Itik Sebagai Penghasil Telur Dan Daging Nasional . *Wartazoa.* 17(3):117
- Kitamura T, T. Ogorochi and A. Miyajima. 1994. Multimeric cytokine receptors. *Trends Endocrinol. Metab.* 5 : 8–14.
- Kurnianto, E. 2009. Pemuliaan Ternak. Graha Ilmu, Yogyakarta.
- Li H.-F., W. Q. Zhu, K. W. Chen, T. J. Zhang and W. T. Song. 2009. Association of polymorphisms in the intron 1 of duck prolactin with egg performance. *Turk. J. Vet. Anim. Sci.* 33: 193-197.
- Li, W.L., Y. Liu, Y.M. Huang, S.D. Liang and Z.D. Shi. 2011. Prolactin plays a stimulatory role in ovarian follicular development and egg laying in chicken hens. *Domest. Anim. Endocrinol.* 41 : 57-66
- Lin, R. L, H. P. Chen, R. Rouvier, and C. Marie-Etancelin. 2016. Genetic parameters of body weight, egg production, and shell quality traits in the Shan Ma laying duck (*Anas platyrhynchos*). *J. Poult. Sci.* 1:1-6.
- Liu, H.G., X.H. Wang, Y.F. Liu, X.B. Zhao, N. Li and C.X. Wu. 2007. Analysis of the relationship between codon frequency of prolactin gene and laying performance in five chicken breeds. *Prog. in Bio. and Biophysics.*34 : 1101-1106.

- Maharani, D. 2012. Candidate Gene Studies for Fatty Acid Composition in Livestock. Disertasi. Departement of Animal Science, Chungnam National University, South Korea
- Martojo, H. 1992. Peningkatan Mutu Genetik Ternak. PusatAntar Universitas dan Bioteknologi Institut Pertanian Bogor, Bogor
- Mpofu, N and L A Eklund. 2002. Quantitative methodes to improve the understanding and utilisation of animal genetic resources. Module 4 Animal genetics training resource (CD-ROM) Version 1 ILRI-SLU
- Mu'in, M. A. 2008. Polimorfisme Genetik *Growth Hormone* dan *Insulin-like Growth Factor-I* serta efeknya pada pertumbuhan Prasapih Sapi Potong di Indonesia. Disertasi. Program Pascasarjana, Fakultas Peternakan, Universitas Gadjah Mada.
- Munshi, A. 2012. DNA Sequencing: Method and Applications. InTech. Rijeka, Croatia.
- Newman, S. 1999. Quantitative and molecular genetic effect on animal well being: Adaptive mechanism. J. Anim. Sci. 71: 1641-1653.
- Noor, R.R. 2008. Genetika Ternak. Penebar Swadaya, Jakarta
- Nordskog, A W., M. Festing and Margrith Wehrli Verghese. 1967. Selection For Egg Production And Correlated Responses In The Fowl. Genetics.55: 9-19
- North MO. 1984. Commercial Chicken Production Manual. 3rd Ed. Inc Westport, Connecticut : AVI Publishing Company. hlm 421
- Ohkubo T., M. Tanaka and K. Nakashima. 2000. Molecular cloning of the chicken prolactin gene and activation by Pit-1 and cAMP-induced factor in GH3 cells. Gen. Comp. Endocrinol. 119: 208-216
- Pane, I., 1993. Pemuliabiakan Ternak Sapi. Gramedia Pustaka Utama. Jakarta
- Pingel, H. 1990. Genetics of Eggs Production and Reproduction in Waterfowl. In: Crawford R.D. (ed) Poultry Breeding and Genetics. Amsterdam, Elseveer. pp:771-780.
- Prasetyo, L. H., 2006a. Sistem Pemeliharaan Itik Petelur MA Penulis dari Balitnak, Puslitbangnak Dimuat dalam Tabloid Sinar Tani, 27 September 2006
- Prasetyo, L.H. 2006b. Strategi dan peluang pengembangan pembibitan ternak itik. Wartazoa 16(3): 109-115.
- Prasetyo, L.H., dan T. Susanti. 2000. Persilangan timbal balik antara itik alabio dan mojosari : periode awal bertelur. Jitv. 5 (4) :209-213
- Purba, M, L.H. Prasetyo, P. S. Hardjosworo dan R.D. Ekastuti. 2004. Produktivitas itik Alabio dan Mojosari selama 40 minggu dari umur 20–60 minggu. In : Prosiding Seminar Nasional Teknologi Peternakan dan Veteriner 2004. Pp. 639-645.
- Purwantini, D., Ismoyowati and S. A. Santosa. 2016. Estimation of selection accuracy and responses of the production characteristics using different

- selection intensity in Magelang duck. *J. Indonesian Trop. Anim. Agric.* 41:61-69.
- Reddy, I.J., C.G. David, P.V. Sarma and K. Singh. 2002. The possible role of prolactin in laying performance and steroid hormone secretion in domestic hen. *Gen. Comp. Endocrinol.* 127:249-255.
- Rishell, W.A. 1997. Genetics selections strategies for the future; Breeding and genetics historical perspective. *J. Poult. Sci.* 76:1057-1061
- Setioko, A.R. dan E.S. Rohaeni. 2002. Pemberian bahan pakan lokal terhadap produktivitas itik Alabio. *Makalah Penunjang Lokakarya Unggas Air 2001* : 129-138.
- Sidodolog, J.H.P, I. Damayanti, Tohir, D. Maharani and T. Hartatik. 2017. Genetic parameter estimation on pra production traits of Alabio and Mojosari Ducks after selection based on egg production in two generation. In : *Proceeding The 7th International Seminar on Tropical Production*, Yogyakarta. pp. 266-275.
- Sirotkin A.V. and R. Grossmann. 2003. The Role of Tyrosine Kinase- and MAP Kinase –Dependent Intracellular Mechanism in Control of Ovarian Functions in the Domestic Fowl (*Gallus domesticus*) and in Mediating Effects of IGF-II. *J. Reprod. Dev.* 49 (1) : 6-11
- Stevens, L. 1991. *Genetics and Evolution of the Domestic Fowl*. Cambridge University Press. Cambridge.
- Sulandari, S. dan M. S. A. Zein. 2003. *Panduan Praktis Laboratorium DNA. Bidang Zoologi*. Pusat Penelitian Biologi Lembaga Ilmu Pengetahuan Indonesia. Bogor.
- Suparyanto, A., dan L. H. Prasetya. 2004. Penggunaan model non-linier wood untuk pendugaan kurva produksi dan persistensi telur itik Mojosari Putih. *Jitv* 9 (1): 17–25
- Susanti, T. dan L.H. Prasetyo. 2008. Pendugaan parameter genetik sifat-sifat produksi telur itik alabio. In : *Prosiding Seminar Nasional Teknologi Peternakan dan Veteriner 2008*. Bogor. pp. 588-610
- Tai, C., R. Rouvier and J.P. Poive. 1989. Genetic parameters of some growth and egg production traits in laying Brown Tsaiya (*Anas platyrhynchos*), *Genet. Sel. Evol.* 21: 377-384.
- Vignal A, Milan D, M. Sancristobaal and A. Egge. 2002. A review on SNP and other types of molecular markers and their use in animal genetics. *Genet Sel Evol.* 34: 275-305.
- W. A. Rishell. 1996. *Symposium: Genetic Selection—Strategies for the Future..*
- Wang, C., Z. Liang, W. Yu, Y. Feng, X. Peng, Y. Gong and S. Li. 2011. Polymorphism of the prolactin gene and its association with egg production traits in native chinese ducks. *S. Afr. J. Anim. Sci.* 41:63-68.
- Warwick, E.J, J. M. Astuti, W. Hardjosubroto. 1990. *Pemuliaan Ternak*. Gadjah Mada University, Yogyakarta

- Warwick, E.J, J. Maria Astuti dan Wartomo Hardjosubroto. 1990. Pemuliaan Ternak. Gadjah Mada University. Yogyakarta
- Watahiki M, M. Tanaka, N. Masudam, K. Sugisakim, M. Yamamatom, M. Yamakawa, J. Nagai J and Nakashima. 1989. Primary structure of chicken pituitary prolactin deduced from the cDNA sequence. Conserved and specific amino acid residues in the domains of the prolactins. J. Biol. Chem. 264: 5535-5539.
- Wilkanowska, A., A. Mazurowski, S. Mroczkowski and D. Kokoszyński. 2013. Prolactin (*PRL*) and prolactin receptor (*PRLR*) genes and their role in poultry production traits. Folia Biologica(Kraków). 62.. doi:10.3409/fb62_1.1
- Williams J.L. 2005. The use of markers-assisted selection in animal breeding and biotechnology. Rev. Sci. Technol. Int..24: 379-391.
- Wilson, S.C. and P. J. Sharp. 1976. Induction of Luteinizing hormone release by gonadal steroids in the ovariectomized domestic hen. J. Endocrinol. 71: 87–98.
- Ye S,2001. An efficient procedur for genotyping single nucleotide polymorphisms. Nuc. Acids. Res. 29:17.
- Zhang, D. X., Z. Q. Xu, J. He, C. L. Ji, Y. Zhang, and X. Q. Zhang. 2015. Polymorphisms in the 5'-flanking regions of the GH, PRL, and pit-1 genes with Muscovy duck egg production. J. Anim. Sci. 93: 28–34