



VI. DAFTAR PUSTAKA

- Abeele, D. V. D. 2006. *Love birds owners manual and reference guide*. Inggris: United Kingdom Books.
- Adkins-Regan, E. 2007. Hormones and the development of sex differences in behaviour. *J Ornith.* 148:S17–S26
- Akrom, A. M., Indarjulianto, S. Yanuartono., Susmiati, T., Nururrozi, A., dan Raharjo, S. 2020a. Penentuan Jenis Kelamin Burung Kenari (*Serinus canaria*) Berdasarkan Gen Chromodomain Helicase DNA-Binding 1 (CHD1). *Jurnal Bioteknologi dan Biosains Indonesia*, 7(1): 1-8.
- Akrom, A.M., Indarjulianto, S., Yanuartono, Susmiati, T., Nururrozi, A., Raharjo, S., Permana, R.G.S. and Sitompul, Y.Y., 2020b. Swab Bukal Sebagai Bahan Sexing Piyikan Burung Kenari (*Serinus canaria*) dan Burung Merpati (*Columba livia*) Buccal Swabs as Sexing Material of Young Nestlings Canary Bird (*Serinus canaria*) and Pigeon (*Columba livia*). *Jurnal Sain Veteriner*, 38(1).
- Archawaranon, M. 2004. Rapid sexing hill mynah *Gracula religiosa* by sex chromosomes. *Biotechnology*. 3: 160-164.
- Beato, M. dan Klug, J. 2000. Steroid hormone receptors: an update. *Human Reproduction Update*. 6: 225 – 236.
- Beletsky, L. D., Gori, D. F., Freeman, S., Wingfield, J. C. 1995. Testosterone and polygyny in birds. *Curr Ornithol* 12:1–41.
- Berg, J. M., Tymoczko, J. L., dan Stryer, L. 2002. *Biochemistry*, 5th edition. W. F. Freeman. New York.
- Boersma, P. D. dan Davies, E. M. 1987. Sexing monomorphic birds by vent measurements. *Auk* 104: 779-783.
- Bosnjak, J., Pavlovic1 M.S., Vucicevic, M., Stevanovic, V. and Simeunovic, P. (2013) Feasibility of Non-Invasive Molecular Method for Sexing of Parrots Pakistan *J. Zoo.* 45:715-720.
- Bramwell, R. K. 2003. Sexing Chick in The Backyard Flock. *Avian Advice* 5: 4-5.
- Bush, M., Kennedy, S., Wildt, D. E., Seager, S. W. J. 1978. Sexing birds by laparoscopy. *Int Zoo Yearb* 18:197–199.



- Cakmak, E., Peksen, C. A., Bilgin, C. C. 2017. Comparison of Three Different Primer Sets for Sexing Birds. *Journal of Veterinary Diagnostic Investigation* 29: 59-63
- Campbell, Mitchell, Reece, (1994), *Biology Concepts & Connections*. The Benjamin/Cummings Publishing Company, Inc.
- Cerit, H. dan Avanus, K., 2007. Sex Identification In Avian Species Using DNA Typing Methods. *World's Poultry Science Association* 63: 91-99.
- Christidis, L. 1985. A rapid procedure for obtaining chromosome preparations from birds. *Auk*. 102: 892-893.
- Ciorpac M, Druica RC, Ghiorghita G, Cojocaru D and Gorgan DL. 2016. CHD genes: a reliable marker for bird populations and phylogenetic analysis? Case study of the superfamily Sylvioidea (*Aves Passeriformes*). *Turkish Journal of Zoology*. 40(5):749-57.
- Dash, S. K., Malik, H. N., Mohapatra, S. K. 2014. Gender identification in Emu (*Dromaius novaehollandiae*)- a review. *Agri Review*, 35: 271-278.
- Dawson, A. 2008. Control of the annual cycle in birds: endocrine constraints and plasticity in response to ecological variability. *Phil Trans R Soc B* 363:1621–1633
- de Oliveira, E. H. C., Tagliarini, M. M., Rissino, J. D., Pieczarka, J. C., Nagamachi, C. Y., O'Brien, P. C. M., Ferguson-Smith, M. A. 2010 Reciprocal chromosome painting between white hawk (*Leucopternis albicollis*) and chicken reveals extensive fusions and fissions during karyotype evolution of Accipitridae (*Aves, Falconiformes*). *Chromosome Research*. 18: 349–355.
- Degrandi, T. M., de Oliveira, J. C. P., Soares, A. A., Ledesma, M. A., Hass, I., Garnero, A. V., Gunski, R. J. 2018. Karyotype description and comparative analysis in Ringed Kingfisher and Green Kingfisher (*Coraciiformes, Alcedinidae*). *CompCytogen*. 12: 163 – 170.
- Dewi, D. S., Kurtini, T., dan Riyanti, R. 2015. Karakteristik dan Perilaku Lovebird Jantan serta betina Spesies *Agapornis fischeri* Varian Hijau Standar. *Jurnal Ilmiah Peternakan Terpadu*, 3(4): 228-233.
- Divers, S. J. 2015. Endoscopic Sex Identification in Chelonians and Birds (Psittacines, Passerines, and Raptors). *Vet Clin Exot Anim*. 18: 541 – 554
- Dubiec, A. dan Zagalska-Neubauer M. 2006. Molecular techniques for sex identification in birds. *Biol Lett*. 2006;43:3–12.



- Dubuc, G.R., 2003. *The Basics of Lovebird Care*. Intelligent Content Cop. All right Reserved.
- Eiben, K., Fay, R., Jung, A., Rasmussen, A., and Russell, J. (2017). Sex Determination of The Boreal Owl (*Aegolius funereus*) Using Buccal Swabs and Improved Molecular Techniques. *J. Raptor Res.* 51 (1): 68 – 71.
- Ellegren, H. 1999. First gene on the avian W chromosome (CHD) provides a tag for universal sexing on non-ratite birds. *P R Soc B.* 263:1635–1641.
- Farner, D.S. dan Wingfield, J. C. 1980. Reproductive endocrinology of birds. *Ann Rev Physiol.* 42:457-472.
- Fitriana, F., Setyorini, D. R., Artdita, C. A., Ummami, R., Haryanto, A. ., & Aziz, F. (2023). Komparasi empat jenis primer molecular sexing pada famili burung berbeda: Comparison of four types molecular sexing primers in different bird families. *Jurnal Ilmu Peternakan Dan Veteriner Tropis (Journal of Tropical Animal and Veterinary Science)*, 13(1), 52–58.
- Forshaw, J.M. 2010. *Parrots of the World*. Princeton University Press
- Goymann, W. 2005. Noninvasive monitoring of hormones in bird droppings: physiological validation, sampling, extraction, sex differences, and influences of diet on hormone metabolite levels. *Ann N Y Acad Sci.* 1046: 35–53.
- Graves, J. A. M., dan Shetty, S. 2001. Sex from W to Z: Evolution of vertebrate sex chromosomes and sex determining genes. *Journal of Experimental Zoology.* 290: 449–462.
- Griffiths, R., Double, M. C., Orr, K., dan Dawson, R. J. G. 1998. A DNA test to sex most birds. *Molecular Ecology.* 7: 1071-1075.
- Handel, C. M., Pajot, L. M., Talbot, S. L., Sage, G. K. 2006. Use of buccal swabs for sampling DNA from nestling and adult birds. *Wildlife society bulletin.* 34: 1094 – 1100.
- Harsono, Y., Darsono, dan Rudi. 2019. *Budi Daya Lovebird Untuk Pemula*. Yogyakarta: Laksana
- Harvey, M. G., Bonter, D. N., Stenzler, L. M., Lovette, I. J. 2006. A comparison of Plucked Feathers Versus Blood Samples as DNA Sources for Molecular Sexing. *J Field Ornithol.* 77:136-40



- Honkatukia, M., Kulmala, J., Soderback, P. 2003. Isolation of Genomic DNA from Chicken Feather Using QuickPick™ gDNA kit. Technical Note TN51000-009. *Bio-Nobile Oy*. 1-2
- Jansen, T., Pernasetti, F. M. Durrant, D. 2003. Conditions for Rapid Sex Determination In 47 Avian Species by PCR of Genomic DNA from Blood, Shell-membrane Blood Vessels and Feathers. *Zoo Biology*. 22: 561-567.
- Kadri, M.H.M., Septiniva, D., Riyanti. 2016. Karakteristik dan Perilaku Merpati Tinggi Lokal Jantan dan Betina. *Jurnal Ilmiah Peternakan Terpadu Vol. 4(2): 156-160, Mei 2016*
- Kahn N, John J, dan Quinn T. 1998. Chromosomespecific intron size differences in the avian CHD gene provide an efficient method for sex identification in birds. *Auk*. 115:1074–1078.
- Kasiyati, K., Silalahi, A. B., dan Permatasari, I. 2012. Optimasi Pertumbuhan Puyuh (*Coturnix coturnix japonica* L.) Hasil Pemeliharaan dengan Cahaya Monokromatik. *Buletin Anatomi dan Fisiologi Dh Sellula*, 19(2), 55-64.
- Kurtini, dkk. 2011. Produksi Ternak Unggas. Universitas Lampung, Bandar Lampung.
- Kroczak A, Wołoszyńska M, Wierzbicki H, Kurkowski M, Grabowski KA, Piasecki T, Galosi L and Urantówka AD. 2021. New Bird sexing strategy developed in the order Psittaciformes involves multiple markers to avoid sex misidentification: Debunked myth of the Universal DNA marker. *Genes*. 12(6):878.
- Kuchinski, K. 1995. African Lovebirds. *AFA Watchbird*.
- Kulibaba R and Liashenko YV. 2021. Analysis of CHD Gene Polymorphism as a Model Object for Molecular Sexing of Eurasian Eagle-Owl (*Bubo bubo*). *Cytology and Genetics*. 55(4):324-30.
- Lo, Y. M. D., Chiu, R. W. K., Chan, K. C. A. 2006. *Clinical Application of PCR*. Human Press. New Jersey
- Mahanani, R. W. 2018. *Lovebird: Kiat Juara Beternak Burung Cinta*. Malang: Lembaga Kajian Profesi.
- Malago Jr, W., Lambert, D. M., Bellamy, A. R., Stapleton, P. M., dan Young, E. C. 1992. Sex Specific Restriction Fragment and Sex Ratios Revealed by DNA Fingerprinting in The Borwn Skua. *The American Genetic Association*. 83: 350-355



- Morinha F, Cabral JA, Bastos E (2012) Molecular sexing of birds: a comparative review of polymerase chain reaction (PCR)-based methods. *Theriogenology* 78:703–714. doi: 10.1016/j.theriogenology.2012.04.015
- Murray, R. K., Granner, D. K., Mayes, P. A., Rodwell, V. W. 2003. *Harper's illustrated Biochemistry 26th edition*. McGraw Hill. New York.
- Nishida, C., Ishijima, J., Kosaka, A., Tanabe, H., Habermann, F. A., Griffin, D. K., dan, Matsuda, Y. 2008. Characterization of chromosome structures of Falconinae (Falconidae, Falconiformes, Aves) by chromosome painting and delineation of chromosome rearrangements during their differentiation. *Chromosome Research*. 16: 171–181.
- O'Dwyer, T. W., Priddel, D., Carlile, N., Bartle, J. A., Buttemer, W. A. 2006. An evaluation of three field techniques for sexing Gould's petrels (*Pterodroma leucoptera*) (Procellariidae). *Emu*. 106: 245-252.
- Padang dan Irmawaty. 2007. Pengaruh jenis kelamin dan lama makan terhadap bobot dan persentase karkas kambing kacang. *Fakultas Pertanian Universitas Tadulak. Palu. Jurnal Agrisistem, Vol. 3 No. 1*.
- Pamulang, Y. V., dan A. Haryanto. 2021. Molecular bird sexing on kutilang (*Pycnonotus* sp.) based on amplification of CHD-Z and CHD-W genes by using polymerase chain reaction method. *Biodiversitas*. 22(1):449-452
- Petrie, M., Schwabl, H., Brande-Lavridsen, N., Burke, T. 2001. Sex differences in avian yolk hormone levels. *Nature*. 412:498.
- Pratama, M. P., Cholissodin, I., dan Natsir, M. H. 2019. Optimasi Komposisi Pakan Burung Lovebird Menggunakan Algoritme Particle Swarm Optimization (PSO). *Jurnal Pengembangan Teknologi Informasi dan Ilmu Komputer*, 3(1): 521-528.
- Price, T. dan Birch G. L. 1996. Repeated Evolution Of Sexual Color Dimorphism in Passerine Birds. *Auk*. 113: 842–848.
- Ritchie, B. W., Harrison, G. J., Harrison, L. R. 1994. *Avian Medicine: Principles and Application*. Wingers Publishing. Inc: Florida
- Rofii, M., dan Ramadhani, N. 2018. Analisis Cluster Lovebird Berdasarkan Ciri Fisik dan Jenisnya Menggunakan Algoritma K-Means Dengan Penghitungan Jarak Manhattan. *Jurnal Insand Comtech*. 3(1): 1-8.
- Rofiqi, I., Puniman, A., Sodiq, M. F. 2020. Tindak Pidana Judu dalam Perlombaan Burung Lovebird Menurut Hukum Islam. *Jurnal Jendela Hukum* 2355-5831



- Russel, P. J. 2002. *iGenetics*. Eds: Benjamin Cummings, CA. pp 190-192, 223-224, 644-645.
- Saiki, R.K., Scharf, S., Faloona, F., Mullis K. B., Horn, G. T. Erlich, H. A., dan Arnheim, N. 1985. Enzymatic amplification of beta-globulin genomic sequence and restriction site analysis for diagnosis of sickle cell anemia. *Science*. 230: 1350 – 1354
- Sambrook, J. dan Russel, D. 2001. *Molecular Cloning: A laboratory Manual 3rd Ed.* Cold Spring Harbor Laboratory Press. New York
- Sasvári, L., Péczely, P., Hegyi, Z. 2008. Parental testosterone and estradiol concentrations in the early nestling period correlate with the age-dependent breeding performance in Tawny Owls *Strix aluco*. *Orn Fenn*. 85:46–54.
- Schartl, M., Schmid, M., Nanda, I. 2015. Dynamics of vertebrate sex chromosome evolution: from equal size to giants and dwarfs. *Chromosoma*. 125: 553–571.
- Soenanto, H., 2002. *Teknik Menangkap Lovebird*. Effhar. Semarang.
- Sulandari, S. dan Zin, M. S. A. 2003. *Panduan Praktis Laboratorium DNA*. Bidang Zoologi Pusat Penelitian Biologi Lembaga Ilmu Pengetahuan Indonesia. Bogor.
- Swengel, S. R. 1996. *Special techniques, C: Sex determination In: Cranes: Their Biology, Husbandry, and Conservation*; Ellis, D.H.; Gee, G.F.; Mirande, C.M. Eds.; National Biological Service/International Crane Foundation: United States of America.
- Turcu, M.C., Bel, L.V., Collarile, T., Pusta, D.L. 2020. Comparative Evaluation of Two Techniques of Sex Determination in Lovebirds (*Agapornis spp*). *Bulletin UASVM Veterinary Medicine* 77 (2)
- Turut, R., 2012. *Burung Ocehan Juara Kontes*. Bekasi: Penebar Swadaya Grup.
- Vilstrup, J.T., Mullins, T.D., Miller, M.P., Mc Dearman, D., Jeffrey, R., Walters, J.R., Haig, S.M. 2018. A simplified field protocol for genetic sampling of birds using buccal swabs. *The Wilson J. of Ornithology*, 130 (1): 326-334.
- Vucicevic, M., Stevanov-Pavlovic, M., Stevanovic, J., Bosnjak, J., Gajic, B., Aleksic, N., Stanimirovic, Z. 2012. Sex Dtermination in 58 Bird Species and Evaluation of CHD Gene as a Universal Molecular Marker in Bird Sexing. *Zoo Biology: 1-13*
- Wilson, K. dan Walker, J. 2010. *Principles and Technique of Biochemistry and*



Molecular Biology. Cambridge University Press. Cambridge

Wingfield, J. C., Williams, T. D., Visser, M. E. 2008. Introduction. Integration of ecology and endocrinology in avian reproduction: a new synthesis. *Phil Trans R Soc.* 363:1581–1588.

Wulansari, W., Yuda, P. dan Zahida, F. 2013. Uji Efektifitas Gen CHD Sebagai Penanda Molekuler untuk Identifikasi Jenis Kelamin pada Burung Air. *Jurnal Biologi*. pp. 1-8.

Yudiantoro dan Sitanggang, M. 2011. *Lovebird Si Cantik Bersuara Merdu*. Jakarta: Agro Media Pustaka.