

## DAFTAR PUSTAKA

- Akrom, A. M. *et al.*, 2020. Penentuan Jenis Kelamin Burung Kenari (*Serinus canaria*) Berdasarkan Gen Chromodomain Helicase DNA-Binding 1 (CHD-1). *Jurnal Bioteknologi & Biosains Indonesia*, 7(1), pp. 1 - 8.
- Alward, B. A. *et al.*, 2016. *Aromatase Inhibition Rapidly Affects In A Reversible Manner Distinct Features Of Birdsong*, s.l.: Scientific Reports.
- Alward, B. A., Rouser, M. L., Balthazart, J. & Ball, G., 2017. Testosterone Regulates Birdsong In An Anatomically Specific Manner. *Animal Behaviour Elsevier*, 124(1), pp. 291-298.
- Amy, M., Salvin, P., Naguib, M. & Leboucher, G., 2015. Female Signalling To Male Song In The Domestic Canary, *Serinus canaria*. *Royal Society Open Science*, 2(2), pp. 1-10.
- Antari, A. L., 2017. *Imunologi Dasar*. 1st ed. Sleman: Deepublish Publisher.
- Astuti, P., 2018. *Endokrinologi Veteriner*. 1 ed. Sleman: Gadjah Mada University Press.
- Astuti, P. *et al.*, 2019. Effect of Shell as Natural Testosterone Boosters in Sprague Dawley Rats. *Veterinary World*, 12(22), pp. 1677-1681.
- Astuti, P. *et al.*, 2020. Potential Natural Aromatase Blockers on Enhance The Frequency And Sound Quality of Male Canaries. *ICVAES*, 151(01024), pp. 1-3.
- Auer, K. E. *et al.*, 2020. Measurement of Fecal Testosterone Metabolites In Mice : Replacement Of Invasive Techniques. *Animals MDPI*, x(165), pp. 1 - 17.
- Axelson, R. & Hess, L., 2019. *vcahospitals.com*. [Online] Available at: <https://vcahospitals.com/know-your-pet/canaries---general> [Accessed 19 December 2020].
- Ball, G. F., 1999. Neuroendocrine Basis of Seasonal Changes in Vocal Behavior Among Songbirds. In : Hauser, M., Konishi M. (Eds) *The Design of Animal Communication*. MIT Press Cambridge MA, pp. 213-253.
- Beato, O. P., 2008. *Fundamentals Of Color Genetics In Canaries Reproduction and Control*. Pennsylvania: RoseDog Books.
- Bijanti, R., Yuliani, M. G. A., Wahjuni, R. S. & Utomo, R. B., 2010. *Buku Ajar Patologi Klinik Veteriner*. Surabaya: Airlangga University Press.
- Bonner, J. T., 1980. *The Evolution Of Culture In Animals*. Princeton: Princeton University Press.

- Brenowitz, E. A., 2012. Testosterone and Brain-Derived Neurotrophic Factor Interactions in The Avian Song Control. *Neuroscience*, Volume 239, pp. 115 -123.
- Brenowitz, E. A., 2013. Testosterone and Brain-Derived Neurotrophic Factor Interactions in The Avian Song Control. *Neuroscience*, Volume 239, pp. 115 -123.
- Carreau, S., Bouraima-Lelong, H. & Delalande, C., 2012. Estrogen, a Female Hormone Involved in Spermatogenesis. *Adv. Med. Sci*, 57(1), pp. 31-36.
- Cathpole, C. K. & Slater, P. J. B., 2008. *Bird Song : Biological Themes And Variations*. 2nd ed. Cambridge: Cambridge University Press.
- Charisma, A. M., Farida, E. A. & Anwari, F., 2020. *ELISA ( Enzyme-Linked Immunosorbent Assay) Indirect Urine Pada Pemeriksaan Dengue*. 1st ed. Pasuruan: Qiara Media.
- Coles, B. H., 2007. *Essentials Of Avian Medicine And Surgery*. 3rd ed. Oxford: Blackwell Publishing Company.
- Crowther, J. R., 2009. *The ELISA Guidebook*. 2nd ed. Hertfordshire: Springer.
- Cunningham, J. G. & Klein, B. G., 2007. *Textbook of Veterinary Physiology*. 4th ed. Missouri: Saunders Elsevier.
- Dandeniya, A., Algiriya, P. & Dewage, D., 2015. 2015. *J. Intl Res Conf Human Soc-Sci*, 1(1), pp. 1-16.
- Darago, A. *et al.*, 2020. The Effect Of Zinc, Selenioun And Their Combined Supplementation On Androgen Receptor Protein Expression In The Prostate Lobes And Serum Steroid Hormone Concentration of Wistar Rats. *Nutrients MDPI*, 12(153), pp. 1-13.
- de Ronde, W. & de Jong, F. H., 2011. Aromatase Inhibitors in Men: Effect and Therapeutic Option. *Reprod. Biol. Endocrinol*, 9(93), pp. 1-7.
- Despopoulos, A. & Silbernagl, S., 2003. *Color Atlas of Physiology*. 5th ed. New York: Thieme.
- Disilvestro, R. A., 2004. *Handbook of Minerals as Nutritional Supplements*. Boca Raton: CRC Press.
- Durdiakova, J., Ostatnikova, D. & Celec, P., 2011. Testosterone And Its Metabolites - Modulators Of Brain Function. *Acta Neurobiol Exp*, Volume 71, pp. 434-454.
- Fagerlund, S., 2003. *Acoustics And Physical Models Of Bird Sounds*, Finlandia: Aalto University Press.

- Galloway, R., 1911. History Of The Canary. In: J. Robinson & S. H. Lewer, eds. *Canaries, Hybrids And British Birds In Cage And Aviary*. London: Cassell And Company Limited, pp. 9-25.
- Garamszegi, L. Z., Eens, M., Hurtrez-Bousses, S. & Moller, A. P., 2005. Testosterone, Testes Size And Mating Success In Bird: A Comparative Study. *Hormones And Behavior Elsevier*, Volume 47, pp. 389-409.
- Garg, A. K., Mudgal, V. & Dass, R. S., 2008. Effect of Organic Zinc Supplementation on Growth Nutrient Utilization and Mineral Profil in Lambs. *Animal Feed Science And Technology*, Volume 144, pp. 82-96.
- Gesquiere, L. R. *et al.*, 2014. Measuring Fecal Testosterone In Females And Fecal Estrogens In Males : Comparison of RIA and LC/MS/MS Methodes For Wild Baboon (*Papio cynocephalus*). *Gen Comp Endocrinol*, I(204), pp. 141-149.
- Gropper, S. S. & Smith, J. L., 2012. *Advanced Nutrition and Human Metabolism*. 6th ed. Wandsworth: Cengage Learning.
- Handelsman, D. J., 2020. Androgen Physiology, Pharmacology, Use and Misuse. In: K. R. Feingold, B. Anawalt & A. Boyce, eds. *Endotext [Internet]*. South Dartmouth: MDText.com INC, pp. 1-156.
- Hartini, S. & Suryani, M. E., 2016. Uji Kualitas Serum Simpanan Terhadap Kadar Kolesterol Dalam Darah Di Poltekkes Kemenkes Kaltim. *Jurnal Ilmiah Manuntung*, 2(1), pp. 65-69.
- Hartog, T. E., 2009. *Singin On Steroids A Story Of Neuronal Plasticity And Blood Vessels*. De Bolelaan: Vrije Unibersiteit.
- Hoes, W. J., Podos, J., Boetticher, N. C. & Nowicki, S., 2000. Vocal Tract Function In Birdsong Production : Experimental Manipulation Of Beak Movement. *The Journal Of Experimental Biology*, Volume 203, pp. 1845-1855.
- Iromo, H. & Farizah, N., 2014. Analisis Kandungan Hormon Tiroksin Dengan Metode ELISA Pada Induk Betina Kepiting Bakau (*Scylla serrata*). *Jurnal Harpodon Borneo*, VII(1), pp. 1-8.
- Ishikawa, T., Kenney, C. G. & Jameson, J. L., 2006. Aromatase-Independent Testosterone Conversion Into Estrogenic Steroids Is Inhibited by a 5-Alpha-Reductase Inhibitor. *Journal od Steroid Biochemistry & Molecular Biology*, Volume 98, pp. 133-138.
- Jarvis, E. D., 2009. Evolution of The Pallium In Bird And Reptiles. In: D. Marc, N. Hirokawa & U. Windhorst, eds. *New Encyclopedia Of Neuroscience*. Berlin: Springer-Verlag, pp. 1390-1400.

- Julita, U., Fitri, L. L. & Faudah, Y. T., 2015. Kemampuan Belajar Bernyanyi Pada Burung Kenari Jantan Muda (*Serinus canaria* Linn) Yang Didedahkan Secara Live-Tutorial dan Tape-Tutoring. *ISTEK*, IX(1), pp. 254-274.
- Kory, P. O., 2014. Pengaruh Pemberian Zink Terhadap Kualitas Spermatozoa Pada Mencit Jantan (*Mus musculus*). *eBM*, Volume 2, pp. 1-6.
- Kristal, A. R. *et al.*, 2008. Dietary Patterns, Supplement Use, And The Risk Of Symptomatic Benign Prostatic Hyperplasia: Results From The Prostate Cancer Prevention Trial. *Am. J. Epidemiol*, Volume 167, pp. 925-934.
- Kumar, P., Yadav, B. & Yadav, S., 2013. Serum, Effect Of Zinc And Selenium Supplementation On Antioxidative Status Of Seminal Plasma And Testosteron T4 dan T3 Level In Goat Blood. *Journal Of Applied Animal Research*, 41(4), pp. 382-386.
- Larsen, O. N. & Goller, F., 2002. Direct Observation of Syringeal Muscle Function in Songbirds And A Parrot. *J Exp. Biol*, Volume 205, pp. 25-35.
- Leboffe, M. J. & Pierce, B. E., 2011. *A Photographic Atlas For The Microbiology Laboratory*. 4th ed. Colorado: Morton Publishing.
- MacKinnon, J., Phillipps, K., Andrew, P. & Rozendaal, F., 1993. *A Field Guide To The Birds Of Borneo, Sumatra, Java, And Bali : The Greater Sunda Island*. 1st ed. USA: Oxford University Press.
- McEwan, I. J. & Brinkmann, A. O., 2016. Androgen Physiology : Receptor and Metabolic Disorder. In: K. R. Feingold, B. Anawalt & A. Boyce, eds. *Endotext*. South Dartmouth: MDText.com.
- McLelland, J., 1990. *A Colour Atlas Of Avian Anatomy*. 1 ed. Aylesbury: Wolfe Publishing Ltd..
- Mori, C., Liu, W. C. & Wada, K., 2012. Recurrent Development Of Song Idiosyncrasy Without Auditory Inputs In The Canary, An Open-Ended Vocal Learner. *Sci Rep* , 8(8732).
- Myers, P. R. *et al.*, 2020. *The Animal Diversity Web (online)*. [Online] Available at: <https://animaldiversity.org>. [Accessed 19 Desember 2020].
- Nassar, G. N. & Leslie, S. W., 2020. *Physiology, Testosterone*. s.l.:StatPearls Publishing, .
- National Center for Biotechnology Information, 2021. *PubChem Compound Summary for CID 6013, Testosterone*. [Online] Available at: <https://pubchem.ncbi.nlm.nih.gov/compound/Testosterone>. [Accessed 26 Januari 2021].

- Norris, O. D. & Lopez, K. H., 2011. *Hormones And Reproduction of Vertebrates Volume 5 : Mammals*. 1st ed. London: Elsevier Inc.
- Nugroho, E. D. & Rahayu, D. A., 2019. *Penuntun Praktikum Bioteknologi*. 1st ed. Yogyakarta: Deepublisher.
- Olivera, A. G. *et al.*, 2007. 5alpha-Androstene-3beta, 17beta-Diol (3beta-diol) An Estrogenic Metabolite of 5alpha-Dihydrotestosterone Is A Potent Modulator Of Estrogen Receptor ERbeta Expression In The Ventral Prostate Of Adult Rats. *Steroids*, 72(1), pp. 914-922.
- Olveczky, B. P., Andalman, A. S. & Fee, M. S., 2005. Vocal Experimentation in The Juvenile Songbird Requires A Basal Ganglia Circuit. *Plot Biol* 3, 153(1).
- Payaran, K. O., Wantouw, B. & Tendean, L., 2014. Pengaruh Pemberian Zink Terhadap Kualitas Spermatozoa Pada Mencit Jantan (*Mus musculus*). *e-Biomedik*, 2(2), pp. 1-6.
- Pertiwi, C. F., 2004. Pemberian Zink Dalam Terapi Terhadap Diare Pada Anak. *Farmakologi*, pp. 67-71.
- Ramadhani, Q. A. N., Garini, A., Nurhayati & Harianja, S. H., 2019. Perbedaan Kadar Glukosa Darah Sewaktu Menggunakan Serum Dan Plasma EDTA. *Jurnal Kesehatan Poltekkes Palembang*, 14(2), pp. 2654-3427.
- Ruppell, W., 1933. Physiologie und Akustik der Vogelstimme. *J.Orn*, 81(1), p. 433-542.
- Salasia, S. I. O. & Hartono, B., 2010. *Patologi Klinik Veteriner Kasus Patologi Klinis*. 1st ed. Yogyakarta: Samudra Biru.
- Sandmeier, P. & Coutteel, P., 2011. Management of Canaries, Finches and Mynahs. In: G. J. Harrison & T. L. Lightfoot, eds. *Clinical Avian Medecine*. 2nd ed. Iowa: Spix Publishing Inc, pp. 879 - 914.
- Sankako, M. K. *et al.*, 2012. Possible Mechanism By Which Zinc Protects The Testicular Function Of Rats Exposed To Cigarette Smoke. *Pharmalogical Reporte*, Volume 64, pp. 1537-1546.
- Sarwono, J., 2015. *Rumus-Rumus Populer Dalam SPSS 22 Untuk Riset Skripsi*. Yogyakarta: Andi Offset.
- Satyanarayana, U. & Chakrapani, U., 2017. *Biochemistry*. 5th ed. India: Elsevier.
- Schlenger, B. & Brenowitz, E. A., 2009. Neural and Hormonal Control of Birdsong. In: D. W. Pfaff & e. al, eds. *Hormones, Brain and Behavior*. San Diego: Academic Press, pp. 799-839.

- Sfetcu, N., 2014. *The Birds World*. New Zealand: MultiMedia.
- Sing, K. & Sitanggang, M., 2010. *Jurus Sukses Merawat dan Menangkarkan Kenari*. Jakarta: AgroMedia Pustaka.
- Sloup, V. *et al.*, 2017. Zinc in The Animal Organism : A Review. *Scientia Agriculturae Bohemica*, 48(1), pp. 13-21.
- Snyder, K., 2016. *New Study Doubles The Estimate of Bird Species in The World*. America: American Museum of Natural History.
- Squires, E. J., 2003. *Applied Animal Endocrinology*. Cambridge: CABI Publishing.
- Sridadi, 2001. *Kenari dan Permasalahannya*. Yogyakarta: Kanisius.
- Stevens, A., Lowe, J. S. & Scott, I., 2011. *Veterinary Hematology, A Diagnose Guide and Color Atlas*. Missouri: Saunder Elsevier.
- Stevens, L., 1996. *Avian Biochemistry and Molecular Biology*. Scotland: Cambridge University Press.
- Subiyono, S., Martiningsih, M. A. & Gabrela, D., 2016. Gambaran Kadar Glukosa Darah Metode GOD-PAP (Glucose Oksidase-Peroxidase Aminoantipirin) Sampel Serum dan Plasma EDTA (Ethylen Diamin Terta Acetat). *Jurnal Teknologi Laboratorium*, 5(1), pp. 4-8.
- Sudjadi and Rohman, A., 2018. *Anallisis Derivat Babi*. Yogyakarta: UGMPress.
- Sudrajat, 2005. *Petunjuk Memilih Burung Ocehan Edisi Revisi*. Jakarta: Penebar Swadaya.
- Sulistia, G. G., 2009. *Farmakologi dan Terapi*. 5 ed. Jakarta: Balai Penerbit FKUI.
- Supriyadi, A., Soetarto, E. & Dharmawan, A. H., 2008. Analisis Sosio-Ekologi dan Sosio-Budaya Burung Berkicau di Dua Kota di Indonesia : Teladan dari Surabaya dan Yogyakarta.. *Jurnal Transdisiplin Sosiologi, Komunikasi da Ekologi Manusia*, 1(99-120).
- Suther, R. A., Goller, F. & Pytte, C., 1999. *The Neuromuscular Control Of Bird Song*. Philladelphia: Trans. R Soc.
- Tandung, K. K., Satiawati, L. & Wantow, B., 2015. Pengaruh Pemberian Zink (Zn) Terhadap Kualitas Spermatozoa Wistar Jantan Dewasa (*Rattus norvegicus*) Yang Diberikan Monosodium Glutamat (MSG). *e-Biomedik*, 3(1), pp. 285 - 290.
- Teixeira, P. H. H. R. *et al.*, 2014. Local Knowledge and Expolitation od The Avian Fauna by A Rural COMMunity in The Semi-Arid Zone od Northeastern Brazil. *Journal of Ethnology and Ethnomedicine*, 10(81).



- Tully, T. & Mitchell, M., 2008. *Manual of Exotic Pet Practice*. 1st ed. Los Angels: Saunders.
- Turut, R., 2010. *Kenari*. jakarta: Penebar Swadaya.
- Vankatesh, D. & Sudhakar, H., 2018. *Basics of Medical Physiology*. 4th ed. Haryana: Wolters Kluwer Health.
- Wang, Y., Brzozowska-Prectl, A. & Karten, H. J., 2010. Laminar And Columnar Auditory Cortex in Avian Brain. *Proc Natl Acad Sci USA*, Volume 107, pp. 12676-12681.
- WHO, 2019. *The International Pharmacopoela*. 9th ed. New York: World Health Organisation.
- Widiyanto, J., 2012. *SPSS For Windows*. 1st ed. Surakarta: Badan Penerbit-FKIP Universitas Muhammadiyah Surakarta.
- Wingfield, J. C., Matt, K. S. & Farner, D. S., 1984. Physiologic Properties Of Steroid Hormone-Binding Proteins In Avian Blood. *Gen Comp Endocrinol*, 53(2), pp. 281-292.
- Wulandari, Y. T., Susanti, R. & Bintari, S. H., 2019. Analisis Perkembangan Titer Antibodi Hasil Vaksinasi Infectious Bronchitis Pada Ayam Petelur Strain Hisex Brown. *Life Science*, VIII(1), pp. 25-34.
- Yenilmez, F., 2020. Canary Production. *Turkish Journal Of Agriculture - Food Science And Technology*, 8(4), pp. 941-944.