DAFTAR PUSTAKA

Abd El-Hack, M. E., Alagawany, M., Arif, M., Chaudhry, M. T., Emam, M., dan Patra, A. (2017). Organic or inorganic zinc in poultry nutrition: a review. *World's Poultry Science Journal, 73*(4), 904-915. doi: 10.1017/s0043933917000769

Afiati, N. (2010). *Kerang Darah Anadara granosa (L.) (Bivalvia: Arcidae) sebagai Bioindikator Lingkungan Akuatik dan Upaya Konservasinya.* (Pidato Pengukuhan Guru Besar), Universitas Diponegoro, Semarang.

Ahmad, I. (2017). Pemanfaatan Limbah Cangkang Kerang Darah (Anadara granosa) sebagai Bahan Abrasif Dalam Pasta Gigi. *Jurnal Galung Tropika, 6*(1), 49-59.

Akoglu, H. (2018). User's guide to correlation coefficients. *Turk J Emerg Med, 18*(3), 91-93. doi: 10.1016/j.tjem.2018.08.001

Alward, B. A., Balthazart, J., dan Ball, G. F. (2013). Differential effects of global versus local testosterone on singing behavior and its underlying neural substrate. *Proc Natl Acad Sci U S A, 110*(48), 19573-19578. doi: 10.1073/pnas.1311371110

Alward, B. A., Madison, F. N., Parker, S. E., Balthazart, J., dan Ball, G. F. (2016). Pleiotropic Control by Testosterone of a Learned Vocal Behavior and Its Underlying Neuroplasticity(1,2,3). *eNeuro, 3*(1). doi: 10.1523/ENEURO.0145-15.2016

Alward, B. A., Rouse, M. L., Balthazart, J., dan Ball, G. F. (2017). Testosterone regulates birdsong in an anatomically specific manner. *Animal Behaviour, 124*, 291-298. doi: 10.1016/j.anbehav.2016.09.013

Amen, M. H. M., dan Al-Daraji, H. J. (2011). Influence of Dietary Supplementation with Zinc on Sex Hormones Concentrations of Broiler Breeder Chickens. *Pakistan Journal of Nutrition, 10*(11), 1089-1093.

Anonim. (2019). Serinus canaria (Linnaeus, 1758). *Taxonomic Serial No.: 179558.* Retrieved 03/11, 2019, from https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=179558#null

Arthur, G. H., Noakes, D. E., England, G. C. W., dan Parkinson, T. J. (2001). *Arthur's Veterinary Reproduction and Obstetrics* (8 ed.). Philadelphia: W.B.Saunders.

Astuti, P., Airin, C. M., Sarmin, S., Nururrozi, A., dan Harimurti, S. (2019). Effect of shell as natural testosterone boosters in Sprague Dawley rats. *Vet World, 12*(10), 1677-1681. doi: 10.14202/vetworld.2019.1677-1681

Astuti, S., Muchtadi, D., Astawan, M., Purwantara, B., dan Wresdiyati, T. (2008). Pengaruh Pemberian Tepung Kedelai Kaya Isoflavon, Seng (Zn) dan

Vitamin E terhadap Kadar Hormon Testosteron Serum dan Jumlah Sel Spermatogenik pada Tubuli Seminiferi Testis Tikus Jantan. *JITV, 13*(4), 288-294.

Avrameas, S. (1969). Coupling of Enzymes to Protein with Glutaraldehyde. *Immunochemistry, 6*(1), 43-52. doi: 10.1016/0019-2791(69)90177-3

Aydin, S. (2015). A short history, principles, and types of ELISA, and our laboratory experience with peptide/protein analyses using ELISA. *Peptides, 72*, 4-15. doi: 10.1016/j.peptides.2015.04.012

Boseret, G., Carere, C., Ball, G. F., dan Balthazart, J. (2006). Social context affects testosterone-induced singing and the volume of song control nuclei in male canaries (Serinus canaria). *J Neurobiol, 66*(10), 1044-1060. doi: 10.1002/neu.20268

Chu, Q., Chi, Z., Zhang, X., Liang, D., Wang, X., Zhao, Y., Zhang, L., dan Zhang, P. (2016). A potential role for zinc transporter 7 in testosteron synthesis in mouse Leydig tumor cells. *International Journal of Molecular Medicine, 37*, 1619-1626. doi: 10.3892/ijmm.2016.2576

Ehret, W., Heil, W., Schmitt, Y., Topfer, G., Wisser, H., dan Zawta, B. (2002). *Use of anticoagulants in diagnostic laboratory investigations and stability of blood, plasma and serum samples.* Geneva: World Health Organization.

Firani, N. K. (2018). *Mengenali Sel-Sel Darah dan Kelainan Darah*. Malang: Universitas Brawijaya Press.

Fu-yu, X., Ming-hai, H., Wen-li, L., Yan-qin, L., Ling-ling, W., Jie, S., dan Ji-feng, Z. (2007). Effect of Different Levels of Zinc on Blood Physiological and Biochemical Parameters in Stud Holstein Bulls. *Chinese Journal of Animal Nutrition, 19*(5).

Gahr, M. (2014). How Hormone-Sensitive Are Bird Songs And What Are The Underlying Mechanisms? *Acta Acustica united with Acustica, 100*(4), 705-718. doi: 10.3813/aaa.918749

Grindol, D. (2000). *The Canary: An Owner's Guide to a Happy Healthy Pet*. Foster City: Wiley.

Hasbi, H., dan Gustina, S. (2018). Androgen Regulation in Spermatogenesis to Increase Male Fertility. *Indonesian Bulletin of Animal and Veterinary Sciences, 28*(1), 13-22. doi: 10.14334/wartazoa.v28i1.1643

Huda, M. (2019). *Pengaruh Pemberian Tepung Cangkang Kerang Darah (Anadara Granosa) Terhadap Kadar Testosteron Tikus Putih Jantan Galur Wistar*. (Skripsi), Universitas Gadjah Mada, Yogyakarta.

Hunt, C. D., Johnson, J. L., Herbel, dan Mullen, L. K. (1992). Effect food dietary zinc depletion on seminal volume and zinc loss, serum testosterone concentrations, and sperm morphology in young men. *Am. J: Clin. Nutr, 56*, 148-157.

Intan, I., Afrizal, T., dan Irvina, N. (2014). Kerang Darah (Anadara Granosa) Abundance In Coastal Water Of Tanjung Balai Asahan North Sumatera. *Jurnal Online Mahasiswa Fakultas Perikanan dan Ilmu Kelautan Universitas Riau, 1*(1), 1-10.

Jepson, P., dan Ladle, R. J. (2009). Governing bird-keeping in Java and Bali: evidence from a household survey. *Oryx, 43*(03), 364-374. doi: 10.1017/s0030605309990251

Julita, U., Fitri, L. L., dan Fuadah, Y. T. (2015). Kemampuan Belajar Bernyanyi pada Burung Kenari Jantan Muda (*Serinus canaria* Linn.) yang Didedahkan Secara Live Tutoring dan Tape-Tutoring. *9*(1), 254-273.

Kerns, K., Zigo, M., dan Sutovsky, P. (2018). Zinc: A Necessary Ion for Mammalian Sperm Fertilization Competency. *Int J Mol Sci, 19*(12). doi: 10.3390/ijms19124097

Leboffe, M. J., dan Pierce, B. E. (2011). *A Photographic Atlas for the Microbiology Laboratory* (4 ed.). Colorado: Morton Publishing Company.

Lindawaty, Dewiyanti, I., dan Karina, S. (2016). Distribusi dan Kepadatan Kerang Darah (Anadara sp.) berdasarkan Tekstur Substrat di Perairan Ulee Lheue Banda Aceh. *Jurnal Ilmiah Mahasiswa Kelautan dan Perikanan Unsyiah, 1*(1), 114-123.

Longley, L., dan Nind, F. (2010). *Saunders Solutions in Veterinary Practice: Small Animal Exotic Pet Medicine E-Book*: Elsevier Health Sciences.

Lovette, I. J., dan Fitzpatrick, J. W. (2016). *Handbook of Bird Biology* (3 ed.). West Sussex: Wiley.

Mafaja, K., dan Husain, F. (2019). Kelompok Kicau Mania, Kontes Burung dan Kesadaran Konservasi Burung Kicau di Kabupaten Blora. *Solidarity, 8*(1), 601-613.

Mahary, A. (2017). Pemanfaatan Tepung Kerang Darah (Anadara granosa) sebagai Sumber Kalsium pada Pakan Ikan Lele (Clarias batrachus sp). *Acta Aquatica, 4*(2), 63-67.

Mankad, M., Sathawara, N. G., Doshi, H., Saiyed, H. N., dan Kumar, S. (2006). Seminal plasma zinc concentration and α-glucosidase activity with respect to semen quality. *Biological Trace Element Research, 110*(2), 97-106. doi: 10.1385/bter:110:2:97

McEwan, I. J., dan Brinkmann, A. O. (2000, 12 June 2016). Androgen Physiology: Receptor and Metabolic Disorders. Retrieved 20 November, 2019, from https://www.ncbi.nlm.nih.gov/books/NBK279028/

Mitchell, M., dan Tully, T. N. (2008). *Manual of Exotic Pet Practice - E-Book*: Elsevier Health Sciences.

Mulki, A. B. R., Suryono, C. A., dan Suprijanto, J. (2014). Variasi Ukuran Kerang Darah (Anadara granosa) di Perairan Pesisir Kecamatan Genuk Kota Semarang. *2014*, *3*(2), 122-132.

Nainggolan, H., Rahmantya, K. F., Asianto, A. D., Wibowo, D., Wahyuni, T., Zunianto, A., Ksatrya, S. P., dan Malika, R. (2018). *Kelautan dan Perikanan Dalam Angka Tahun 2018*. Jakarta: Pusat Data, Statistik dan Informasi.

Naz, S., Idris, M., Khalique, M. A., Zia Ur, R., Alhidary, I. A., Abdelrahman, M. M., Khan, R. U., Chand, N., Farooq, U., dan Ahmad, S. (2016). The activity and use of zinc in poultry diets. *World's Poultry Science Journal, 72*(1), 159-167. doi: 10.1017/s0043933915002755

Ningsih, R. (2015). *Kajian Konsumsi Nutrien pada Berbagai Jenis Burung Kenari (Serinus canaria)*. (Skripsi), Institut Pertanian Bogor, Bogor.

Null, G. (2006). *Bottom Line's Power Aging: The Revolutionary Program to Control the Symptoms of Aging Naturally*. Stanford: Boardroom Inc.

Prasadi, O., Setyobudiandi, I., Butet, N. A., dan Nuryati, S. (2016). Karakteristik Morfologi Famili Arcidae di Perairan yang Berbeda (Karangantu dan Labuan, Banten). *Jurnal Teknologi Lingkungan, 17*(1), 29-36.

Prasojo, S. A., Irwani, I., dan Suryono, C. A. (2012). Distribusi dan Kelas Ukuran Panjang Kerang Darah (Anadara granosa) di Perairan Pesisir Kecamatan Genuk, Kota Semarang. *Journal of Marine Research, 1*(1), 137-146.

Preston, B. T., Stevenson, I. R., Lincoln, G. A., Monfort, S. L., Pilkington, J. G., dan Wilson, K. (2012). Testes size, testosterone production and reproductive behaviour in a natural mammalian mating system. *J Anim Ecol, 81*(1), 296-305. doi: 10.1111/j.1365-2656.2011.01907.x

Ritchie, M. (2014). Neuroanatomy and physiology of the avian hypothalamic/pituitary axis: clinical aspects. *Vet Clin North Am Exot Anim Pract, 17*(1), 13-22. doi: 10.1016/j.cvex.2013.09.005

Sakamoto, S., Putalun, W., Vimolmangkang, S., Phoolcharoen, W., Shoyama, Y., Tanaka, H., dan Morimoto, S. (2018). Enzyme-linked immunosorbent assay for the quantitative/qualitative analysis of plant secondary metabolites. *J Nat Med, 72*(1), 32-42. doi: 10.1007/s11418-017-1144-z

Salasia, S. I. O., dan Hariono, B. (2014). *Patologi Klinik Veteriner: Kasus Patologi Klinis*. Yogyakarta: Samudera Biru.

Sankako, M. C., Garcia, G. C., Piffer, R. C., Dallaqua, B., Damasceno, D. C., dan Pereira, O. C. M. (2012). Possible mechanism by which zinc protects the testicular function of rats exposed to cigarette smoke. *Pharmacological Reports, 64*, 1537-1546.

Sartor, J. J., Balthazart, J., dan Ball, G. F. (2005). Coordinated and dissociated effects of testosterone on singing behavior and song control nuclei in

canaries (Serinus canaria). *Horm Behav, 47*(4), 467-476. doi: 10.1016/j.yhbeh.2004.12.004

Sedigh, A., Modaresi, M., dan Pirestani, A. (2014). Effect of Organic and Mineral Zinc Supplement in Diet on Reproductive Hormones in Mice. *International Journal of Animal and Veterinary Advances, 6*(2), 77-79. doi: 10.19026/ijava.6.5621

Soma, K. K., Sullivan, K. A., Tramontin, A. D., Saldanha, C. J., Schlinger, B. A., dan Wingfield, J. C. (2000). Acute and chronic effects of an aromatase inhibitor on territorial aggression in breeding and nonbreeding male song sparrows. *Journal of comparative physiology. A, Sensory, neural, and behavioral physiology, 186*(7-8), 759-769. doi: 10.1007/s003590000129

Souji, S., dan Radhakrishnan, T. (2013). New Report and Taxonomic Comparison of Anadara and Tegillarca Species of Arcidae (Bivalvia: Arcoidea) from Southern Coast of India. *International Journal of Science and Research (IJSR), 4*(2), 1817-1824.

Tully, T. N., Dorrestein, G. M., dan Jones, A. K. (2009). *Handbook of Avian Medicine*: Elsevier/Saunders.

Valle, S., Carpentier, E., Vu, B., Tsutsui, K., dan Deviche, P. (2015). Food restriction negatively affects multiple levels of the reproductive axis in male house finches, Haemorhous mexicanus. *J Exp Biol, 218*(Pt 17), 2694-2704. doi: 10.1242/jeb.123323

Vriends, M. M., dan Heming-Vriends, T. M. (2001). *The Canary Handbook*. Hauppauge: Barron's.

Wahyudiyanto, F. E. (2016). *Studi Pemanfaatan Limbah Cangkang Kerang Darah (Anadara granosa) sebagai Adsorben PB2+, CU2+, dan Zn2+*. (Magister Tesis), Institut Teknologi Sepuluh Nopember, Surabaya.

Wilson, E. O. (1984). *Biophilia*. Cambridge: Harvard University Press.

Yang, W., Chen, Y., Cheng, Y., Wen, C., dan Zhou, Y. (2017). Effects of zinc bearing palygorskite supplementation on the growth performance, hepatic mineral content, and antioxidant status of broilers at early age. *Asian-Australas J Anim Sci, 30*(7), 1006-1012. doi: 10.5713/ajas.16.0551

Zakaria, H. A., Jalal, M., Al-Titi, H. H., dan Souad, A. (2017). Effect of Sources and Levels of Dietary Zinc on the Performance, Carcass Traits and Blood Parameters of Broilers. *Revista Brasileira de Ciência Avícola, 19*(3), 519-526. doi: 10.1590/1806-9061-2016-0415

Zhang, S., Xu, X., Wang, W., Zhao, L., Gao, L., dan Yang, W. (2017). Annual variation in the reproductive hormone and behavior rhythm in a population of the Asian short-toed lark: Can spring temperature influence activation of the HPG axis of wild birds? *Horm Behav, 95*, 76-84. doi: 10.1016/j.yhbeh.2017.08.002