

DAFTAR PUSTAKA

- A'yuni, Q., Widiyanti, A., Ulfindrayani, I. F., Prayogi, Y. R., Arif, S., Ningsih, A. F. L. (2019). Pemanfaatan Limbah Cangkang Kerang sebagai Pakan Ternak Berkualitas di Desa Tambak Cemandi Sidoarjo. *Journal of Science and Social Development*. 2(2): 61 – 69
- Airin, C. M., Putro, P. P., Astuti, P., Baliarti, E., Sunaryanto, Yulianto, D. (2011). Level Hormon Triiodothyronine dan Thyroksin saat Estrus dan Ovulasi pada Sapi Bali. *Jurnal Sain Veteriner*. 29(1): 37 – 42
- Airin, C. M., Sofyan, M. S., Hardyta G., Putri, K., Astuti, P. (2024). Edu-Ecotourism Concept of Equine Cortisol Metabolites and Tri/Tetra-Iodothyronine Ratio. *Vet Sci*. 12(6): 1174 – 1181
- Akers, R. M., Denbow, D. M. (2008). *Anatomy & Physiology of Domestic Animals*. Iowa : Blackwell Publishing
- Amalia, R., Airin, C. M., Astuti, P. (2022). Zinc and Shell Flour as Innovative Natural Aromatase Blocker to Increase Testosterone Concentration. *BIO Web of Conferences*. 49 (2022) : 01006
- Astuti, P. (2018). *Endokrinologi Veteriner*. Yogyakarta : Gadjah Mada University Press
- Astuti, P., Airin, C. M., Sarmin, S., Nururrozi, A., dan Harimurti, S. 2019. Effect of shell as natural testosterone boosters in Sprague Dawley rats. *Veterinary World*. 12: 1677-1681
- Astuti, P., Putra, M. N. P., Shiddiq, M. F. A., Yuneldi, R. F., Airin, C. M., Sarmin. (2022). The Potency of Anadara nodifera Shell as Natural Testosterone Booster for Male Canary (*Serinus canaria*). *HAYATI Journal of Biosciences*. 29(1) : 107-113
- Barret, K. E., Barman, S. M., Boitano, S., Brooks, H. L. (2012). *Ganong's Review of Medical Physiology 24th Edition*. San Fransisco : McGraw Hill Medical
- Chandra, G., Aggarwal, A., Kumar, M., Singh, A. K. (2018). Effect of zinc and vitamin E supplementation on hormones and blood biochemicals in peripartum Sahiwal cows. *Journal of Trace Elements in Medicine and Biology*. 50: 489 – 497
- Divers, S. J., Stahl, S. J. (2019). *Mader's Reptile and Amphibian Medicine and Surgery 3rd Edition*. Missouri : Elsevier
- Dullo, A. G. (2022). Peripheral thyroid hormone deiodination: Entry pointsto elucidate mechanisms of metabolic adaptation duringweight regain. *Obesity A Research Journal*. 31(5) : 1179 – 1182
- Fachry, A. R., Sari, T. I., dan Susanti, S. 2014. Pengaruh Filler Campuran Silika dan Kulit Kerang Darah Terhadap Sifat Mekanis Komponen Sol Sepatu dari Karet Alam. *Jurnal Teknik Kimia*. 3(20): 1-11.
- Fallah, A., Mohammad-Hasani, A., Colagar, A. H. (2018). Zinc is an Essential Element for Male Fertility: A Review of Zn Roles in Men's Health, Germination, Sperm Quality, and Fertilization. *J Reprod Infertil*. 19(2): 69 – 81
- Fazio, E., Lindner, A., Cravana, C., Wegener, J., Medica, P., Hart-mann, U., Ferlazzo, A. (2022). Effects of Standardized Exercise Tests on Plasma

- Thyroid Hormones' Kinetics in Standardbred Racehorses. *Journal of Equine Veterinary Science*. 110 : 103852
- Ferlazzo, A., Cravana, C., Fazio, E., Medica, P. (2018). Is There an Interplay Between the Hypothalamus-Pituitary-Thyroid and the Hypothalamus-Pituitary-Adrenal Axes During Exercise-Stress Coping in Horses?. *Journal of Equine Veterinary Science*. 62 : 85-97
- Fikar, S., Ruhyadi. D. (2010). *Beternak & Bisnis Sapi Potong*. Jakarta Selatan : Agromedia
- Frandsen, R. D. (2006). *Anatomy and Physiology of Farm Animals*. Iowa: Wiley Blackwell.
- Ganong, W. F. (2008). Buku Ajar Fisiologi Kedokteran Edisi 22. Penerjemah : Pendit, U. B. Judul buku asli : *Review of Medical Physiology*, edisi ke 22. Penerbit Buku Kedokteran EGC : Jakarta
- Gofur, A. (2017). *Susu Kambing Peranakan Etawa (PE) dan Peranakannya pada Aspek Reproduksi Mamalia*. Malang : UM Press
- Hall, J. E., Hall, M. E. (2021). *Guyton and Hall Textbook of Medical Physiology Fourteenth Edition*. Philadelphia : Elsevier
- Hastuti, P., Widodo, U. S., Oktarizal, R., Kurniady, A. L., Anwar, K., Siregar, A. A. R. (2018). Status Mineral dan Hormon Tiroid pada Penderita Hipotiroidisme
- Helmreich, D. L., Tylee, D. (2012). Thyroid Hormone Regulation by Stress and Behavioral Differences in Adult Male Rats. *Hormones and Behaviour*. 60(3): 284 – 291
- Jurkovich, V., Hejel, P., Kovacs, L. (2024). A Review of the Effects of Stress on Dairy Cattle Behaviour. *Animals*. 14(14) : 2038
- Kementerian Pertanian. (2023). *Outlook Daging Sapi*. Jakarta : Pusat Data dan Sistem Informasi Pertanian Sekretarian Jenderal Kementerian Pertanian
- Khorsandi, H., Nikpayam, O., Yousefi, R., Parandoosh, M., Hosseinzadeh, N., Saidpoor, A., Ghorbani, A. (2019). Zinc supplementation improves body weight management, inflammatory biomarkers and insulin resistance in individuals with obesity: a randomized, placebo-controlled, double-blind trial. *Diabetology Metabolic Syndrome*. 11 : 101
- Klein, B. G. (2020). *Cunningham's Textbook of Veterinary Physiology Sixth Edition*. Missouri : Elsevier
- Levy, S. B., Bribiescas, R. G. (2022). Hierarchies in the energy budget: Thyroid hormones and the evolution of human life history patterns. *Evolutionary Anthropology*. 32(5): 239 – 305
- Loomba-Albrecht, L. A., Bregman, T., Chantry, C. J. (2014). Endocrinopathies in Children Infected with Human Immunodeficiency Virus. *Endocrinology and Metabolism Clinics of North America*. 43(3): 807 – 828
- Mahary. A. (2017). Pemanfaatan Tepung Cangkang Kerang Darah (Anadara granosa) Sebagai Sumber Kalsium Pada Ikan Lele (Clarias batrachus sp). *Acta Aquatica*. 4(2): 63-67
- Melmed, S., Auchus, R. J., Goldfine, A. B., Koenig, R. J., Rosen, C. J. *Williams Textbook of Endocrinology 14th Edition*. Philadelphia : Elsevier

- Mondal, S., Bhakat, M., Singh, A., Mohanty, T. K., Abdullah, M. (2019). Libido Problem is Untraceable Through Testosterone and Luteinizing Hormone Rhythm in Zebu Breeding Bulls. *Journal of Animal Health and Production*. 7(3) : 81 – 84
- Panjono. (2012). *Bangsa-Bangsa Sapi*. Bantul : Penerbit Citra Aji Permana
- Pineda, M. H., Dooley, M. P. (2003). *McDonald's Veterinary Endocrinology and Reproduction 5th Edition*. Iowa : Iowa State Press
- Pompano, L. M., Boy, E. (2021). Effects of Dose and Duration of Zinc Interventions on Risk Factors for Type 2 Diabetes and Cardiovascular Disease: A Systematic Review and Meta-Analysis. *American Society for Nutrition*. 12: 141 – 160
- Rajender, S., Hamada, A. J., Agarwal, A. (2011). Thyroid Hormones in Male Reproduction and Fertility. *The Open Reproductive Science Journal*. 3: 98 – 104
- Reece, W. O., Erickson, H. H., Goff, J. P., Uemura, E. E. (2015). *Dukes' Physiology of Domestic Animals Thirteen Edition*. Oxford : Wiley Blackwell
- Reswati., Priyanto, R., Manalu., Arifiantini, R. I., Purwanto, B. P. (2023). Thyroxine, Cortisol and Testosterone Hormone Analysis to Overview the Adaptability of the Swamp Buffalo under Different Agroclimatic Conditions. *International Journal of Veterinary Science*. 13(2) : 211 – 217
- Rezaei, S. M. A., Mohammadi, F., Eftekhari, M. H., Ejtehadi, F., Ghaem, H., Mohammadipoor, N. (2023). The effects of zinc supplementation on the metabolic factors in patients with non-alcoholic fatty liver disease: a randomized, double-blinded, placebo-controlled clinical trial. *BMC Nutrition*. 9: 138
- Rivera-Villegas, A., Carrillo-Muro, O., Rodriguez-Cordero, D., Hernandez-Briano, P., Sanchez-Barbosa, O. Y., Lazalde-Cruz, R., Castro-Perez, B. I., Plascencia, A. (2024). Effects of Supplemental Calcium Propionate and Concentrate Level: Growth Performance, Body Fat Reserves, and Health of High-Risk Beef Calves. *Veterinary Sciences*. 11(8) : 336
- Sabatino, L., Vasalle, C., Seppia, C. D., Iervasi, G. (2021). Deiodinases and the Three Types of Thyroid Hormone Deiodination Reactions. *Endocrinology and Metabolism*. 36: 952 – 964
- Saragih, J. S. 2023. Produksi Sapi dalam Negeri dan Kebijakan Swasembada Sapi. *Info Singkat*. 15(12) : 11 – 15
- Scott-Moncrieff, J. C. (2012). Thyroid Disorders in the Geriatric Veterinary Patient. *Veterinary Clinics of North America : Small Animal Practice*. 42(4): 707 – 725
- Shatab, M. S., Kumar, A., Honparkhe, M., Singhal, S., Kaur, S., Brar, P. S. (2016). Endocrine Status of Serum Testosterone, Estrogen and Thyroid Hormones in High Fertility Breeding Buffalo Bulls and their Male Calves. *Journal of Animal Research*. 6(6) : 1073 – 1075
- Sidiqi, A. A. A., Sarmin., Airin, C. M., Astuti, P. (2022). The Effect of Zinc, Shell, and Fishbone Supplementations on Comb Width and Length of Bangkok Rooster. *BIO Web of Conferences*. 49 (2022) : 01003

- Singh, K., Kumar, A., Honparkhe, M. (2015). Endocrine Status of Serum Testosterone, Estradiol, Prolactin and Thyroid Hormones in Good and Poor Libido Breeding Buffalo Bulls. *Indian Vet J.* 92(12) : 39 – 40
- Suttle, N. F., (2022). *Mineral Nutrition of Livestock 5th Edition*. Oxfordshire : CABI
- Yuneldi, R. F., Astuti, P., Saragih, H. T. S., dan Airin, C. M. (2021). Anadara granosa Shell Powder Improves the Metabolism, Testosterone Level, and Sound Frequency of Pelung Chickens. *Veterinary World.* 14: 1564-1571.
- Zimmermann, M. B. (2011). The role of iodine in human growth and development. *Seminars in Cell & Developmental Biology.* 22(6): 645 – 652