

## DAFTAR PUSTAKA

- Arifin, B. dan Ibrahim, S. 2018. Struktur Bioaktivitas dan Antioksidan Flavonoid. *J Zarah. Univ. Andalas.* Vol. 6. No. 1. Hal. 21-29.
- Arsianti, A., Bahtiar, A., Wangsaputra, V.K., Azizah, N.N., Fachri, W., Nadapdap, L.C., Fajrin, A.M., Tanimoto, H., Kakiuchi, K. 2020. Phytochemical Composition and Evaluation of Marine Algal *Sargassum polycystum* for Antioxydant Activity and In Vitri Cytotoxicity on Hela Cells. *Pharmacogn Journal.* 12(1):88-94).
- Bergoug, H., Guinebretiere, M., Tong, Q., Roulston, N., Romanini, C. E. B. Exadaktylos, V., Berckmans, D., Garain, P., Demmers, T. G. M., McGonnell, I. M., Bahr, C., Burel, C., Eterradosi, N., Michel, V. 2013. Effect of Transportation Duration of 1-Day-Old Chicks on Postplacement Production Performances and Pododermatitis of Broiler up to Slaughter Age. *J Poultry Science.* 92:3300-3309.
- Bigot, K., Mignon-Grasteau, S., Picard, M., Tesseraud, S. 2003. Effects of Delayed Feed Intake on Body, Intestine, and Muscle Development in Neonate Broilers. *J Poultry Science.* 82:781-788.
- Budhiyanti, S.A., Raharjo, S., Djagal, W., Marseno, L.I.Y.B. 2011. Free Radical Scavenging, Metal Chelating and Singlet Oxygen Quenching Activity of Fractionated Brown Seaweed *Sargassum Hystrix* Extract. *J Biol Sci.* Vol. 11(4). Page 288–298.
- Cai, Y., Z. Song, X. Wang, H. Jiao, dan H. Lin. 2011. Dexamethasone-Induced Hepatic Lipogenesis is Insulin Dependent in Chickens (*Gallus gallus domesticus*). *Informa Healthcare Journal of Stress.* 14:273–281
- Cahyaningrum, K., Husni, A., Budhiyanti, S. A. 2016. Aktivitas Antioksidan Ekstrak Rumput Laut Cokelat (*Sargassum polycystum*). *J Agritech.* Vol. 36. No. 2. Hal. 137-144.
- Campo JL, Prieto MT, Davila SG. 2008. Effects of Housing System and Cold Stress on Heterophil-to-Lymphocyte Ratio, Fluctuating Asymmetry, and Tonic Immobility Duration of Chickens. *Poult Sci.* 87:621–626.
- Chang C. Yang M, Wen Hand Chern J. 2002. Estimation of Total Flavonoid Content in Propolis by Two Complementary Colorimetric Methods. *Journal Food Drug Analysis.* Vol. 10. No.3. Page 178-182.
- Dam, A. dan Fitzgerald, S. 2017. *Importance of Humane Handling and Transportation of Poultry.* Poultry Handling and Transportation Manual ch. 1. hal. 1-98.
- Dwimantara, D.V.A. 2020. Potensi Ekstrak Rumput Laut (*Sargassum crassifolium*) sebagai Antistres Transportasi Kambing Jawa Randu. Skripsi. Fakultas Kedokteran Hewan. Universitas Gadjah Mada.
- European Food Safety Authority Panel on Animal Health and Welfare (AHAW). 2011. *Scientific Opinion Concerning the Welfare of Animals During Transport.* Italy EFSA J. 9:125 10.2903/j.efsa.2011.1966.
- Estevez, M. 2015. Oxidative Damage to Poultry: From Farm to Fork. *Journal of Poultry Science.* Vol. 00. Page 1-11.

- Fisinin, V.I. dan Kavtarashvili, A.S. 2015. Heat Stress in Poultry II. Methods and Techniques for Prevention and Alleviation. *Agri. Biol.* Vol. 50. Page 431–443.
- Goliomytis, M., Tsourekis, D., Simitzis, P.E., Charismiadou, M.A., Hager-Theodorides, A.L., Deligeorgis, S.G. 2014. The Effects of Quercetin Dietary Supplementation on Broiler Growth Performance, Meat Quality, and Oxidative Stability. *Poultry Science* 93. 1957–1962.
- Handayani, T., Sutarno, Setyawan, A.D. 2004. Analisis Komposisi Nutrisi Rumpit Laut *Sargassum crassifolium* J. Agardh. *Jurnal Biofarmasi* 2(2): 45-22.
- International Air Transport Association. 2013. *Standard Ground Handling*. IATA AHM 810.
- Jeeva S., Marimuthu J., Domettala C., Anantham, Mahesh M. 2012. Preliminary Phytochemical Studies on Some Selected Seaweeds from Gulf of Mannar, India. *J Asian Pacific of Tropical Biomedicine*. S30-S33.
- Johnson, M., Kanimozhi, S.A., Malar, J.J., Shibila, T., Freitas, P.R., Tintino, S.R., Meneses, I.R.A., da Costa, J.G.M., Coutinho, H.D.M. Antioxidant Activity of Plant Extracts Containing Phenolic Compounds. *Journal Complementary Therapies in Medicine* 46. 19-23.
- Kadi, A., 2005, *Beberapa Catatan Kehadiran Marga Sargassum di Perairan Indonesia Bidang Sumber Daya Laut*. Pusat Penelitian Oseanografi-LIPI. Vol. xxx no. 42. Hal 19-29.
- Kanimozhi, S.A., Johnson, M., Malar, T.R.J.J. 2015. Phytochemical Composition of *Sargassum polycystum* C. Agardh and *Sargassum duplicatum* J. Agardh. *International Journal of Pharmacy and Pharmaceutical Sciences*. Vol.7. Issue 8. Page 393-397.
- Kumar, S., dan Pandey, A. K. 2013. Chemistry and Biological Activities of Flavonoid: An Overview. *J The Scientific World*. ID 162750. Page 1-16.
- Kumari, K., Raja, N., Nath, D.N. 2018. Ameliorative Measures to Counter Heat Stress in Poultry World. *Poult. Sci. J.* Vol 74. Page 117–130.
- Kusumawati, A., Febriany, R., Hananti, S., Dewi, M.S., Istiyawati, N. 2016. Perkembangan Embrio dan Penentuan Jenis Kelamin DOC (Day Old Chicken) Ayam Jawa Super. *J Sains Veteriner* 34 (1). Hal. 29-41.
- Lailatussifa, R., Husni, A., Nugroho, A.E. 2016. Anti-Stress Activity of *Sargassum polycystum* Extracts Using Cold Restraint Stress Model. *J Food Sci. Biotechnol.* 25(2): 589-594.
- Lailatussifa, R., Husni, A., Isnansetyo, A. 2017. Aktivitas Antioksidan dan Analisis Proksimat Bubuk Kering Alga Cokelat *Sargassum hystrix*. *Jurnal Perikanan*. Universitas Gadjah Mada. Vol. 19(1). Hal. 29-37.
- Lakhanpal, P. dan Rai, K.D. 2007. Quercetin: A Versatile Flavonoid. *Internet Journal of Medical Update*. Vol. 2 No. 2. Page 22-37.
- Latimer, K.S. dan Bienzle, D. 2010. *Determination and Interpretation of the Avian Leukogram*. Schalm's Veterinary Hematology. Sixth edition.
- Larson, A.J., Symons, J.D., Jalili, T. 2012. Therapeutic Potential of Quercetin to Decrease Blood Pressure: Review of Efficacy and Mechanisms. *American Society for Nutrition. Adv. Nutr.* 3: 39–46.

- Le, Luong. 2012. *Safe Transport of Live Animal Cargo*. Aeromagazine. Aero Quarterly QTR 02. [www.boeing.com/commercial](http://www.boeing.com/commercial).
- Machu L., Misurcova L., Ambrozova J.V., Orsavova J., Mlcek J., Sochor J., Jurikova T. 2015. Phenolic Content and Antioxidant Capacity in Alga Food Products. *J Molecules*. (20): 1118-1133.
- Mancinelli AC, Mugnai C, Castellini C, Mattioli S, Moscati L, Piottoli L, amato MG, Doretti M, Bosco AD, Cordovani E, Abbate Y, Ranucci D. 2018. Effect of Transport Length and Genotype on Tonic Immobility, Blood Parameters and Carcass Contamination of Free-Range Reared Chickens. *Italian Journal of Animal Science*. Vol.17. no. 3: 357-364.
- Manteu, S.H., Nurjanah, Nurhayati, T. 2018. Karakteristik Rumpun Laut Cokelat (*Sargassum polycystum* dan *Padina minor*) dari Perairan Pohuwato Provinsi Gorontalo. *JPHPI*. Vol. 21. No. 3. Hal. 396-405.
- Maulina, S., Suhendra L., Gunam I.B.W. 2018. Karakteristik Bubuk Alga Coklat (*Sargassum polycystum*) pada Perlakuan Ukuran Bahan dan Suhu Pengeringan. *Jurnal Rekayasa dan Manajemen Agroindustri*. Vol. 6 No. 1. Hal. 1-10.
- Middleton, E.J. 1998. Effect of Plant Flavonoids on Immune and Inflammatory Cell Functions. *Adv Exp Med Biol*. 439:175-182.
- Mitchell, M. A. 2009. Chick Transport and Welfare. *Avian Biology Research* 2 (1/2). 99–105.
- Moskuag, J.O., Carlson, H., Myhrstad M. 2004. Molecular Imaging of The Biological Effects of Quercetin and Quercetin-Rich Foods. *Mechanism of Ageing and Development*. 125:315-24.
- Mujahid, A., Yoshiki, Y., Akiba Y., Toyomizu M. 2005. Superoxide Radical Production in Chicken Skeletal Muscle Induced by Acute Heat Stress. *J Poultry Science*, 84: 307-314.
- Nagappan, H., Pee P.P., Kee S.H.Y., Ow J.T., Yan S.W., Chew L.Y., Kong K.W. 2017. Malaysian Brown Seaweeds *Sargassum siliquosum* and *Sargassum polycystum*: Low Density Lipoprotein (LDL) Oxidation, Angiotensin Converting Enzyme (ACE),  $\alpha$ -Amylase and  $\alpha$ -Glucosidase Inhibition Activities. *Food Research International*. Vol. 1-9. Page 1-38.
- Padua D., Rocha E., Gargiulo D., Ramos A. A. 2015. Bioactive Compounds from Brown Seaweeds: Phloroglucinol, Fucoxanthin and Fucoindan as Promising Therapeutic Agents Against Breast Cancer. *Phytochemistry Letters* Vol.14 Page 91-98.
- Poultry Welfare Symposium Cervia. Welfare of Poultry during Transport. Mitchell, M. A. dan Kettewell, P. J. 2009. Italy.
- Nawab, A., Ibtisham, F., Li, G., Kieser, B., Wu, J., Liu, W., Zhao, Y., Nawab, Y., Li, K., Xiao, M., An, L. 2018. Heat Stress in Poultry Production: Mitigation Strategies to Overcome the Future Challenges Facing the Global Poultry Industry. *Journal of Thermal Biology*. Vol. 78. Page. 131-139.
- Nawab, A., Li, G., Kieser, B., Wu, J., Liu, W., Zhao, Y., Kang, K., Xiao, M., An, L. Lan, R., Sun, C., Tang, S., Xiao, M. 2019. Effect of Dietary Curcumin on the Antioxidant Status of Laying Hens under High-Temperature Conditions. *Brazilian Journal of Poultry Science*. Vol. 21. N. 2. Page 1-10.

- Nazareno, A.C., Vieira F., Iran S. I. D. 2015. One-day-old chicks transport: Assessment of thermal profile in a tropical region. *Revista Brasileira de Engenharia Agrícola e Ambiental*. ISSN 1807-1929. v.19. n.7. p.663–667.
- Ninth International Livestock Symposium (ILES XI). Thermoregulatory Responses of Day-Old Chickens Submitted to Simulated Transport Condition: Effect of Exposure Time Under Different Thermal Ranges. Vieira, F. M. C., Miranda, K. O. S., Silva, I. J. O., Nazareno, A. C., Camargo, J. R., Vieira, A. M. C. 2012. Valencia. Spain. ASABE.
- Ninth International Livestock Symposium (ILES XI). Thermoregulatory Responses of Day-Old Chickens Submitted to Simulated Transport Condition: Effect of Thermal Environment and box placement. Vieira, F. M. C., Miranda, K. O. S., Silva, I. J. O., Nazareno, A. C., Faria, P.N. 2012. Valencia. Spain. ASABE.
- Noy, Y. dan Sklan, Y. 2002. Nutrient Use in Chicks During the First Week Posthatch. *J Poultry Science*. 81:391-399.
- Palme, R. 2016. Steroid Synthesis-Metabolism-Excretion. Scheme of Steroid Synthesis, Metabolism and Excretion. Department Biomedical Sciences University of Veterinary Medicine. Veterinärplatz 1. A-1210.
- Panche, A. N., Diwan, A. D., Chandra, S. R. 2016. Flavonoid: an Overview. *J Nutritional Science*. Vol. 5. e47. Hal. 1-15.
- Pratiwi, Melly. 2016. Produksi Karkas Giblet dan Lemak Abdominal pada Ayam Broiler Strain Cobb dan Strain Lohman yang Diberi Pakan Berbeda. Skripsi. Fakultas Peternakan. Universitas Halu Oleo. Kendari.
- Proceedings of the American Society of Agricultural Engineers. Environment and Mortality Associated with Remote Air-Transport of Day-Old Chick. Xin H. dan Rieger SR. 1994. Winter Meeting Paper No. 944557. Iowa.
- Proceeding of the 2nd International Conference on Tropical Agriculture. Effect of *Sargassum Hystrix* Extracts on Weight and Blood Biochemical Profile of Wistar Rats Under Condition of Swimming Stress and Fasting. 2018. Nur'aini, L.S., Husni, A. Airin, C.M. Switzerland. J Springer Nature.
- Qureshi MA, Havenstein GB. 1994. A Comparison of the Immune Performance of a 1991 Commercial Broiler with a 1957 Random Bred Strain When Fed "Typical" 1957 And 1991 Broiler Diets<sup>1</sup>. *Poult Sci*. 73: 1805–1812.
- Rachmani, E.P.N., Pramano, S., Nugroho, A.E. 2018. Aktivitas Antioksidan Fraksi Flavonoid Bebas Andrografolid dari Herba Sambiloto (*Andrographis paniculata*). *J Pharmacy Medical*. Vol. 1 No. 2. Hal. 42-49.
- Reagan, W. J., Florence, M., Belissent, P., R., Armando, Rovira, I. 2010. *Design and Method Used for Preclinical Hematoxicity Studies*. Schalm's Veterinary Hematology. Sixth edition.
- Ranti, D.A.T. 2013. Perbandingan Kadar Hormon Kortisol, Tiroksin (T4) dan Tri Iodotironin (T3) pada Kambing Peranakan Ettawa (PE) yang Ditransportasikan Satu Jam. Skripsi. Fakultas Kedokteran Hewan. Universitas Gadjah Mada.
- Sandercock, D.A., Hunter R.R., Mitchell, M.A., Hocking P.M. 2006. Thermoregulatory Capacity and Muscle Membrane Integrity are

- Compromised in Broilers Compared with Layers at The Same Age or Body Weight. *J British Poultry Science* 47: 322-329.
- Sarmin, Hana, A., Astuti, P., Febrianto, Y.H., Airin, C.M. 2019. Respons Hematologi dan Kimia Darah Domba Lokal Indonesia terhadap Stres Transportasi selama 12 Jam. *Jurnal Veteriner*. Vol. 20 No.1:48-57.
- Scanes, C. G., 2016. Biology of Stress in Poultry with Emphasis on Glucocorticoids and The Heterophil to Lymphocyte Ratio. *J Poultry Science*. 95:2208-2215.
- Schlenker, G.R. and Muller, W. 1997. The Transportation of Day-old chicks by Aircraft with Regard to Animal Welfare. *Berl. Munch. Tier. Wochen*. Vol. 110. Page 315–319.
- Siregar, Y.R. 2009. Analisis Risiko Harga Day Old Chick (DOC) Broiler dan Layer pada PT. Sierad Produce Tbk. Parung, Bogor. Skripsi. Fakultas Ekonomi dan Manajemen. Institut Pertanian Bogor.
- SNI. 2013. *Bibit Induk (Parent Stock) Umur Sehari/ Kuri (Day Old Chick) Bagian 1: Ayam Ras Tipe Pedaging*, Jakarta, Standar Nasional Indonesia 7353.1:2013.
- SNI. 2013. *Bibit Niaga (Final Stock) Umur Sehari/Kuri (Day Old Chick)*. Jakarta. Standar Nasional Indonesia 1-4868-2013.
- Suhendra, L., S. Raharjo, P. Hastuti, dan C. Hidayat. 2014. Stabilitas mikroemulsi fucoxanthin dan efektivitasnya dalam menghambat foto oksidasi vitamin C pada Model Minuman. *Agritech*. 34(2): 139-145.
- Syad A.N., Shunmugiah K.P., Kasi P.D. 2013. Seaweed as Nutritional Supplements: Analysis of Nutritional Profile, Physicochemical Properties and Proximate Composition of *G.acerosa* and *S.wightii*. *J Biomedicine and Preventive Nutrition*. 3: 139-144
- Tamzil, M. H., Noor, R. R., Hardjosworo, P. S., Manalu, W., Sumantri C., 2013. Keragaman *Gen Heat Shock Protein 70* Ayam Kampung, Ayam Arab, dan Ayam Ras. *J Veteriner*. 14: 317-326.
- Tamzil, M. H. 2014. *Stres Panas pada Unggas: Metabolisme, Akibat dan Upaya Penanggulangannya*. Wartazoa Vol. 24 Hal. 57-66.
- Taslukha, S. M. 2007. Analisis Pendapatan Usaha Ayam Broiler “Susun Kudus Farm” Di Unit Farm Jasinga Dan Gunung Bunder Kabupaten Bogor Jawa Barat. Skripsi. Fakultas Peternakan. Institut Pertanian Bogor.
- Triastinurmiatiningsih, Yulianti,R., Sugiharti, D. 2015. Uji Aktivitas Ekstrak *Sargassum crassifolium* sebagai antifungi *Candida albicans*. *Jurnal Ekologia*. Vol. 15 No. 1:22-28.
- Triyantini, Abubakar, Bintang, I. A. K., dan Antawidjaja, T. (1997). Studi Komparatif Preferensi, Mutu dan Gizi Beberapa Jenis Daging Unggas. *J Ilmu Ternak dan Veteriner*. Vol. 2(3): 157-163.
- Ulupi, N., Aryani, S. S., Evni, F. T., Nugraha, R. 2018. Effect of Transportation Duration on Broiler Chicken Physiology and Performance Factors. *J International of Poultry Science*. 17:197-204.
- Veissier, I., and Boissy, A. 2007. Stress and Welfare: Two Complementary Concepts that are Intrinsically Related to the Animal’s Point of View. *Physiol. Behav*. 92:429–433.



- Virden WS, Kidd MT. 2009. Physiological Stress in Broilers: Ramifications on Nutrient Digestibility and Responses. *J Appl Poultry Res.* 18:338-347.
- Wang, T., Li, Q., Bi, K. 2017. Bioactive Flavonoid in Medical Plants: Structure, Activity and Biologival Fate. *J Asian of Pharmaceutical Sciences* (460). 08.004.
- Weeks C. 2000. Poultry Handling and Transport. Dalam: Grandin T (ed.). *Livestock Handling and Transport*. 3rd Edition (Wallingford, U.K.: CAB International. pp. 295-311).
- Wegener, T. dan Fintelmann, V. 1999. Flavonoids and Bioactivity. *Wein Med Wochem Schr.* 149:241-7.
- Widayati, Eni. 2019. *Oxidasi Biologi, Radikal Bebas, dan Antioxidant*. Majalah Ilmiah Sultan Agung. Vol. 50 (26-32).
- Xin H. dan Rieger SR. 1995. Physical Conditions and Mortalities Associated with International Air Transport of Young Chicks. *American Society of Agricultural Engineer.* Vol. 38(6):1863-1867.
- Yip, Z. T., Quek, R. Z. B., Low, J. K. Y., Wilson, B., Bauman, A. G., Chou, L. M., Todd, P. A., Huang, D. 2018. Diversity and Phylogeny of *Sargassum* (Fucales, Phaeophyceae) in Singapore. *J Phytotaxa* 369 (3): 200-210.
- Zhang, J., Z. He, H. Tian, G. Zhu and X. Peng. 2007. Identification of aluminium-responsive genes in rice cultivars with deferent aluminium sensitivities. *Exp. Bot.* 58:2268-2278.
- Zohra. 2012. Phytochemical Screening and Identification of Some Compounds from Mallow. *Scholars Research Library* 2(4):512-516.