

## DAFTAR PUSTAKA

- Abbas, A. K., Lichtman, A. H., & Pillai, S. (2016). *Basic Immunology Functions and Disorders of the Immune System, Fifth Edition*. Philadelphia: Elsevier.
- Abbas, A. K., Lichtman, A. H., & Pillai, S. (2022). *Cellular and Molecular Immunology, Tenth Edition*. Philadelphia: Elsevier.
- Adeyanju, A., Schaumburg, F., Onayade, A., Akinyoola, A., Adeyemi, T., Ugbo, O., Köck, R., Amusa, Y., Lawal, O., Adeyanju, T., Torimiro, N., Akinpelu, D., Kolawole, D., Kohler, C., & Becker, K. (2022). Local Epidemiology of Nosocomial *Staphylococcus aureus* Infection in a Nigerian University Teaching Hospital. *Antibiotics (Basel, Switzerland)*, *11*(10), 1-18.
- Amin, M. A., Chondra, U., Mostafa, E., & Alam, M. M. (2022). Green seaweed *Ulva lactuca*, a potential source of bioactive peptides revealed by in silico analysis. *Informatics in Medicine Unlocked*, *33*, 101099.
- Ardita, N. F., Mithasari, L., Untoro, D., & Salasia, S. I. O. (2021). Potential Antimicrobial Properties of the *Ulva lactuca* Extract against Methicillin-resistant *Staphylococcus aureus*-infected Wounds: A review. *Veterinary World*, *14*(5), 1116–1123.
- Behl, T., Kumar, K., Brisc, C., Rus, M., Nistor-Cseppento, D. C., Bustea, C., Aron, R. A. C., Pantis, C., Zengin, G., Sehgal, A., Kaur, R., Kumar, A., Arora, S., Setia, D., Chandel, D., & Bungau, S. (2021). Exploring the multifocal role of phytochemicals as immunomodulators. *Biomedicine and Pharmacotherapy*, *133*, 110959.
- Bensy, A. D. V., Christobel, G. J., Muthusamy, K., Alfarhan, A., & Anantharaman, P. (2022). Green synthesis of iron nanoparticles from *Ulva lactuca* and bactericidal activity against enteropathogens. *Journal of King Saud University - Science*, *34*(3), 101888.
- Bonanno, G., Veneziano, V., & Piccione, V. (2019). The alga *Ulva lactuca* (Ulvaceae, Chlorophyta) as a bioindicator of trace element contamination along the coast of Sicily, Italy. *Science of The Total Environment*, *699*(134329), 1–10.
- Boothapandi, M., & Ramanibai, R. (2019). Immunomodulatory effect of natural flavonoid chrysin (5, 7-dihydroxyflavone) on LPS stimulated RAW 264.7 macrophages via inhibition of NF-κB activation. *Process Biochemistry*, *84*(April), 186–195.
- Borjesson, D. L., & Overmann, J. A. (2022). Stem Cell Biology. In *Schalm's Veterinary Hematology, Fifth Edition*. Hoboken: Lippincott Williams & Wilkins.
- Cheung, G. Y. C., Bae, J. S., & Otto, M. (2021). Pathogenicity and virulence of *Staphylococcus aureus*. *Virulence*, *12*(1), 547–569.

- Costa, S. S., Ribeiro, R., Serrano, M., Oliveira, K., Ferreira, C., Leal, M., Pomba, C., & Couto, I. (2022). *Staphylococcus aureus* Causing Skin and Soft Tissue Infections in Companion Animals: Antimicrobial Resistance Profiles and Clonal Lineages. *Antibiotics*, 11(5), 599.
- Day, M. J., & Schultz, R. D. (2014). *Veterinary Immunology: Principles and Practice*. Boca Raton: CRC Press.
- de Wit, J., Brada, R. J. K., van Veldhuizen, J., Dalm, V. A. S. H., & Pasmans, S. G. M. A. (2019). Skin disorders are prominent features in primary immunodeficiency diseases: A systematic overview of current data. *Allergy*, 74(3), 464–482.
- Dominguez, H., & Loret, E. P. (2019). *Ulva lactuca*, A Source of Troubles and Potential Riches. *Marine Drugs*, 17(357), 1-20.
- Erniati, E., Rungkat-Zakaria, F., Prangdimurti, E., Adawiyah, D., Zakaria Rungkat, F., Robiatul Adawiyah, D., Pontjo Priosoeryanto, B., & Huda, N. (2020). Stimulating Activity on Human Lymphocytes in vitro of Nori like Product (Geluring) Made from Gelidium sp. and Ulva lactuca Seaweeds Surimi-like material View project Food Diversification View project Stimulating Activity on Human Lymphocytes in vitro of Nori like Product (Geluring) Made from Gelidium sp. and Ulva lactuca Seaweeds. *International Journal on Advanced Science Engineering Information Technology*, 10(3), 1311-1312.
- Feßler, A. T., Schuenemann, R., Kadlec, K., Hensel, V., Brombach, J., Murugaiyan, J., Oechtering, G., Burgener, I. A., & Schwarz, S. (2018). Methicillin-resistant *Staphylococcus aureus* (MRSA) and Methicillin-resistant *Staphylococcus pseudintermedius* (MRSP) among Employees and in the Environment of a Small Animal Hospital. *Veterinary Microbiology*, 221(2018), 153-158.
- González-Martín, M., Corbera, J. A., Suárez-Bonnet, A., & Tejedor-Junco, M. T. (2020). Virulence Factors in Coagulase-positive *Staphylococci* of Veterinary Interest other than *Staphylococcus aureus*. *The Veterinary Quarterly*, 40(1), 118-131.
- Guo, Y., Song, G., Sun, M., Wang, J., & Wang, Y. (2020). Prevalence and Therapies of Antibiotic-Resistance in *Staphylococcus aureus*. *Frontiers in Cellular and Infection Microbiology*, 10(107), 1-11.
- Harvey, J. W. (2001). *Atlas of Veterinary Hematology: Blood and Bone Marrow of Domestic Animals*. Philadelphia: W. B. Saunders Company.
- Heaton, C. J., Gerbig, G. R., Sensius, L. D., Patel, V., & Smith, T. C. (2020). *Staphylococcus aureus* Epidemiology in Wildlife: A Systematic Review. *Antibiotics* 2020, 9(89), 1-28.
- Howden, B. P., Giulieri, S. G., Wong Fok Lung, T., Baines, S. L., Sharkey, L. K., Lee, J. Y. H., Hachani, A., Monk, I. R., & Stinear, T. P. (2023).

*Staphylococcus aureus* Host Interactions and Adaptation. *Nature Reviews Microbiology*, 21(6), 380–395.

- Hussein, L., Alshaibah, H., Khudhair, Z., Al-Khafaji, A., Hassan, Q., & Aljelehw, A. (2021). Evaluation of virulence factors among *Staphylococcus aureus* strains isolated from patients with urinary tract infection in Al-Najaf Al-Ashraf teaching hospital. *Cell. Mol. Biomed. Rep*, 1(2), 78–87.
- Jenul, C., & Horswill, A. R. (2018). Regulation of *Staphylococcus aureus* virulence. *Microbiology Spectrum*, 6(1), 1-21.
- Krensky, A., Vincenti, F., & Bennet, W. (2006). *Goodman & Gilman's the Pharmacological Basis of Therapeutics*. New York: McGraw-Hill.
- Leboffe, M. J., & Pierce, B. E. (2011). *A Photographic Atlas for the Microbiology Laboratory, Fourth Edition* (4th ed.). Colorado: Morton Publishing.
- Lemiech-Mirowska, E., Kiersnowska, Z. M., Michalkiewicz, M., Depta, A., & Marczak, M. (2020). Nosocomial infections as one of the most important problems of the healthcare system. *Annals of Agricultural and Environmental Medicine*, 28(3), 361–366.
- Malavenda, S., Makarov, M., Ryzhik, I., Mityaeva, M., & Malavenda, S. (2018). Occurrence of *Ulva lactuca* L. 1753 (Ulvaceae, Chlorophyta) at the Murman Coast of the Barents Sea. *Polar Research*, 37, 1503912.
- Marin, K. H., Torres, A., Shorr, A. F., Martin-Loeches, I., & Micek, S. T. (2021). Nosocomial Infection. *Critical Care Medicine*, 49(2), 169–187.
- Markey, B., Finola, L., Archambault, M., Cullinane, A., & Maguire, D. (2013). *Clinical Veterinary Microbiology Second Edition*. New York: Elsevier.
- Martínez, G., Mijares, M. R., & De Sanctis, J. B. (2019). Effects of Flavonoids and Its Derivatives on Immune Cell Responses. *Recent Patents on Inflammation & Allergy Drug Discovery*, 13(2), 84–104.
- Pangestuti, R., Haq, M., Rahmadi, P., & Chun, B. S. (2021). Nutritional value and biofunctionalities of two edible green seaweeds (*Ulva lactuca* and *caulerpa racemosa*) from indonesia by subcritical water hydrolysis. *Marine Drugs*, 19(10), 1-17.
- Pappou, S., Dardavila, M. M., Savvidou, M. G., Louli, V., Magoulas, K., & Voutsas, E. (2022). Extraction of Bioactive Compounds from *Ulva lactuca*. *Applied Sciences*, 12(4), 1-17.
- Passos, F. R. S., Araújo-Filho, H. G., Monteiro, B. S., Shanmugam, S., Araújo, A. A. de S., Almeida, J. R. G. da S., Thangaraj, P., Júnior, L. J. Q., & Quintans, J. de S. S. (2022). Anti-inflammatory and modulatory effects of steroidal saponins and sapogenins on cytokines: A review of pre-clinical research. *Phytomedicine*, 96, 1-15.

- Pidwill, G. R., Gibson, J. F., Cole, J., Renshaw, S. A., & Foster, S. J. (2021). The Role of Macrophages in *Staphylococcus aureus* Infection. *Frontiers in Immunology*, 11(3506), 1-30.
- Playfair, J. H. L., & Chain, B. M. (2013). *Immunology at a Glance, Tenth Edition*. Oxford: John Wiley & Sons.
- Premarathna, A. D., Wijesekera, S. K., Jayasooriya, A. P., Waduge, R. N., Wijesundara, R. R. M. K. K., Tuvikene, R., Harishchandra, D. L., Ranahewa, T. H., Perera, N. A. N. D., Wijewardana, V., & Rajapakse, R. P. V. J. (2021). In vitro and in vivo evaluation of the wound healing properties and safety assessment of two seaweeds (*Sargassum ilicifolium* and *Ulva lactuca*). *Biochemistry and Biophysics Reports*, 26(100986), 1-9.
- Putra, N. R., Fajriah, S., Qomariyah, L., Dewi, A. S., Rizkiyah, D. N., Irianto, I., Rusmin, D., Melati, M., Trisnawati, N. W., Darwati, I., & Arya, N. N. (2023). Exploring the potential of *Ulva Lactuca*: Emerging extraction methods, bioactive compounds, and health applications – A perspective review. *South African Journal of Chemical Engineering*, 47(2023), 233–245.
- Raj, A., Chandrasekaran, M., Venkatesalu, V., Jegan, S., & Raj, G. A. (2019). Anti-MRSA activity of *Caulerpa* and *Ulva* species from Gulf of Mannar Coast, South India. *Journal of Emerging Technologies and Innovative Research (JETIR)*, 6(1), 78–99.
- Riche, C. V. W., Cassol, R., Falci, D. R., Ramirez, M., & Dias, C. A. G. (2023). Epidemiology and risk factors for mortality among methicillin-resistant *Staphylococcus aureus* bacteremic patients in Southern Brazil. *PLOS ONE*, 18(4), 1-9.
- Salasia, S. I. O., & Hariono, B. (2010). *Patologi Klinik Veteriner: Kasus Patologi Klinis*. Yogyakarta: Samudra Biru.
- Schulz, D., Severin, Y., Zanutelli, V. R. T., & Bodenmiller, B. (2019). In-Depth Characterization of Monocyte-Derived Macrophages using a Mass Cytometry-Based Phagocytosis Assay. *Scientific Reports*, 9(1), 1–12.
- Seilie, E. S., & Bubeck Wardenburg, J. (2017). *Staphylococcus aureus* pore-forming toxins: The interface of pathogen and host complexity. *Seminars in Cell and Developmental Biology*, 72(2017), 101–116.
- Sharma, P., Kumar, P., & Sharma, R. (2017). The major histocompatibility complex: A review. *Asian Journal of Pharmaceutical and Clinical Research*, 10(2), 33–36.
- Shepherd, F. R., & McLaren, J. E. (2020). T cell immunity to bacterial pathogens: Mechanisms of immune control and bacterial evasion. *International Journal of Molecular Sciences*, 21(17), 1–32.
- Shimizu, M., Mihara, T., Ohara, J., Inoue, K., Kinoshita, M., & Sawa, T. (2022). Relationship between mortality and molecular epidemiology of

- methicillin-resistant *Staphylococcus aureus* bacteremia. *PLOS ONE*, 17(7), 1-13.
- Shinton, N. K. (2008). *Desk Reference for Hematology*. Boca Raton: CRC Press.
- Shobier, A. H., & El Ashry, E. S. H. (2022). Pharmacological Applications of the Green Seaweed *Ulva lactuca*. *Russian Journal of Marine Biology*, 47(6), 425–439.
- Sianipar, E. A. (2021). the Potential of Indonesian Traditional Herbal Medicine As Immunomodulatory Agents: a Review. *International Journal of Pharmaceutical Sciences and Research*, 12(10), 5229-5237.
- Sirbu, R., Stanciu, G., Tomescu, A., Ionescu, A. M., & Cadar, E. (2019). Evaluation of antioxidant and antimicrobial activity in relation to total phenolic content of green algae from Black Sea. *Revista de Chimie*, 70(4), 1197–1203.
- Sokhi, U. K., Xia, Y., Sosa, B., Turajane, K., Nishtala, S. N., Pannellini, T., Bostrom, M. P., Carli, A. V., Yang, X., & Ivashkiv, L. B. (2022). Immune Response to Persistent *Staphylococcus Aureus* Periprosthetic Joint Infection in a Mouse Tibial Implant Model. *Journal of Bone and Mineral Research*, 37(3), 577–594.
- Sompayrac, L. (2019). *How the Immune System Works*. Hoboken: John Wiley & Sons.
- Souza, C. D., & Weiss, D. J. (2022). Monocytes, Macrophages, and Dendritic Cell Production. In *Schalm's Veterinary Hematology, Fifth Edition*. Hoboken: Lippincott Williams & Wilkins.
- Sundari, L. P. R., & Wijaya, P. A. W. (2021). Sea lettuce (*Ulva lactuca*) as a source of dietary antioxidant. *Tropical Journal of Natural Product Research*, 5(4), 603–608.
- Tanna, B., Brahmabhatt, H. R., & Mishra, A. (2019). Phenolic, flavonoid, and amino acid compositions reveal that selected tropical seaweeds have the potential to be functional food ingredients. *Journal of Food Processing and Preservation*, 43(12), 1–10.
- Tong, S. Y. C., Davis, J. S., Eichenberger, E., Holland, T. L., & Fowler, V. G. (2015). *Staphylococcus aureus* infections: Epidemiology, pathophysiology, clinical manifestations, and management. *Clinical Microbiology Reviews*, 28(3), 603–661.
- Vasanthakumari, R. (2016). *Textbook of Microbiology*. Haryana: Wolters Kluwer Health.
- Windyaswari, A. S., Elfahmi, E., Faramayuda, F., Riyanti, S., Luthfi, O. M., Ayu, I. P., Pratiwi, N. T. M., Husna, K. H. N., & Magfirah, R. (2019). Profil fitokimia selada laut (*Ulva lactuca*) dan mikro alga filamen (*Spirogyra* sp) sebagai bahan alam bahari potensial dari perairan Indonesia. *Kartika: Jurnal Ilmiah Farmasi*, 7(2), 88-101.

- World Register of Marine Species. (2015). *WoRMS - World Register of Marine Species* - *Ulva lactuca* Linnaeus, 1753. <https://www.marinespecies.org/aphia.php?p=taxdetails&id=145984>. Diakses pada tanggal 6 Mei 2023
- Yu-Qing, T., Mahmood, K., Shehzadi, R., & Ashraf, M. F. (2016). *Ulva Lactuca* and Its Polysaccharides: Food and Biomedical Aspects. *Journal of Biology, Agriculture and Healthcare*, 6(1), 140–151.
- Zainulabdeen, S. M. S., & Dakl, A. A. (2021). "Review Article Pathogenicity and virulence factors in *Staphylococcus aureus*. *Muthanna Journal of Pure Science*, 8(1), 109–119.