

DAFTAR PUSTAKA

- Andriyono, S., Masithah, E. D., Umiyati, B., Triastuti, J., dan Winarni, D. 2016. The Behavior of Sea Cucumber *Phyllophorus sp* during the Period of Adaptation. *Asian Journal of Applied Sciences*, 4(4): 817–823.
- Barbaglio, A., Tricario, S., Di Benedetto, C., Fassini, D., Lima, A. P., Ribeiro, A. R., Ribeiro, C. C., Sugni, M., Bonasoro, F., Wilkie, I., Barbosa, M., dan Carniveli, M. D. C. 2013. The Smart Connective Tissue of Echinoderms: a Materializing Promise for Biotech Applications. *Cahiers de Biologie Marine*, 54(4): 713–720.
- Barbul, A. 2008. Poline Precursors to Sustain Mammalian Collagen Synthesis. *The Journal of Nutrition*, 138(10): 21-24
- Benjamin M. dan Ralphs J. R. 1997. Tendons and Ligaments-an Overview. *Histology and Histopathology*, 12(4): 1135–1144.
- Bordbar, S., Farooq, A., dan Saari, N. 2011. High-Value Components and Bioactive from Sea Cucumbers for Functional Foods. *Marine Drugs Review*, 9(10): 1761–1805.
- Brusca, R. G. dan Brusca, G. J. 2003. *Invertebrates*, 2nd Edition. Sunderland, Massachusetts, USA: Sinauer Associated, Inc.
- Buckley, M. R., Evans, E., Satchel, L. N., Matuszewski, P. E., Chen, Y., Elliot, D. M., Soslowsky, L. J., dan Dodge, G. R. 2018. Distribution of Types I, II, and III Collagen by Region in the Human Supraspinatus Tendon. *Journal Connective Tissue*, 54(6): 374–379.
- Candia-Carnevali, M.D. 2005. Regenerative Response and Endocrine Disrupters in Crinoid Echinoderms: an Old Experimental Model, a New Ecotoxicological Text. *Progress in Molecular and Subcellular Biology, Subseries Marine Molecular Biotechnology*, 167–199. Germany: Springer-Verlag.
- Cui, F., Xue, C., Li, Z., Zhang, Y., Dong, P., Fu, X., dan Gao, X. 2007. Characterization and Subunit Composition of Collagen from the Body Wall of Sea Cucumber *Stichopus japonicus*. *Food Chemistry*, 100(3): 1120–1125.
- Daniel, S., Reto, M., dan Fred, Z. 2002. Collagen Glycation and Skin Aging. *Cosmetic and Toiletries Manufacture Worldwide*.
- Dolmatov, Igor Yu. 2014. Asexual Reproduction in Holothurians. *The Scientific World Jurnal*. 2014: 1–13.

- Elfidasari, D., Noriko, N., Wulandari, N., dan Perdana, T. A. 2012. Identifikasi Jenis Teripang Genus *Holothuria* Asal Perairan Sekitar Kepulauan Seribu Berdasarkan Perbedaan Morfologi. *Al Azhar Indonesia Seri Sains dan Teknologi*, 1(3): 141–142.
- Fajar, Muhammad. 2019. Analisis Profil Protein pada Dinding Tubuh Teripang *Phyllophorus sp* dan *Acaudina sp*. *Skripsi*. Surabaya: Universitas Airlangga.
- Ferrario, C., Leggio, L., Leone, R., Di Benedetto, C., Guidetti, L., Cocce, V., Ascagni, M., Bonasoro, F., La Porta C. A. M., Carnevali, C. M. D., dan Sugni, M. 2016. Marine-derived Collagen Biomaterials from Echinoderm Connective Tissue. *Marine Environmental Research*, 128: 1–12.
- Forero, A., Hernandez, V., dan Martinez, A. 2013. First Insight into Colombian Caribbean Sea Cucumbers and Sea Cucumber Fishery. *SPC Beche-de-mer Information Bulletin*, 33: 9–13.
- Gottardi, R., Hansen, U., Raiteri, R., Loparic, M., Duggelin, M., Mathys, D., Friederich, N. F., Bruckner, P., dan Stolz, M. 2016. Supramolecular Organization of Collagen Fibrils in Healthy and Osteoarthritis Human Knee and Hip Joint Cartilage. *Plos One*, 11(10): 1–13.
- Guerrero, A. G. dan Forero, A. R. 2018. Histological Characterization of Skin and Radial Bodies of Two Species of Genus *Isostichopus* (Echinodermata: Holothuroidea). *Egyptian Journal of Aquatic Research*, 44(2): 155–161.
- Gultom, Cici, P. W. 2004. Laju Pertumbuhan dan Beberapa Aspek Bio-Ekologi Teripang Pasir (*Holothuria scabra*) dalam Kolam Pembesaran di Laut Pulau Kongs, Kepulauan Seribu, Jakarta Utara. *Skripsi*. Bogor: IPB.
- Kadler, K. E., Baldock, C., Bella, J., dan Boot-Handford, R. P. 2007. Collagens at a Glance. *Journal of Cell Science*, 120(12): 1955–1958.
- Khan R. dan Khan M. H. 2013. Use of Collagen as a Biomaterial: an Update. *Journal of Indian Society of Periodontology*, 17(4): 539–542.
- Kordi, K. M. G. 2010. *Cara Gampang Membudidayakan Teripang*. Yogyakarta: CV. Andi.
- Kusustyo, M. H. 2016. Sintesis dan Karakterisasi Mekanik Hidrogel Komposit Alginat-Kolagen Fibril Teripang sebagai Kandidat Penutup Luka Potensial. *Skripsi*. Surabaya: Universitas Airlangga.
- Lee, Leah H. R. dan Merz, Rachel. 2013. The Elongation Behavior and The Mechanical Properties of The Body Wall in the Burrowing Sea Cucumber *Leptosynapta clarki*. Pennsylvania: Swarthmore College.

- Marks D. B., Marks A. D., dan Smith C. M. 2014. *Biokimia Kedokteran Dasar: Sebuah Pendekatan Klinis*. Jakarta (ID): EGC.
- Martoyo J., Aji N., dan Winanto T. 2000. *Budidaya Teripang*. Jakarta: Penebar Swadaya.
- Masithah, E. D., A. N. Kristanti, dan S. Andriyono. 2012. Budidaya Teripang Lokal *Phyllophorus sp* sebagai Sumber Bahan Aktif Imunomodulator terhadap Infeksi *Mycobacterium tuberculosis*. *Laporan Hibah Strategis Nasional Tahun Anggaran 2012*. Surabaya: Universitas Airlangga.
- McCurley, R. S. dan Kier, W. M. 1995. The Functional Morphology of Starfish Tube Feet: The Role of a Crossed-Fiber Helical Array in Movement. *The Biological Bulletin* 188(2): 197–209.
- McCracken, Michelle. 2012. Sea Cucumber, Holothurian. Projectnoah.org/spottings/10863555. 11 Maret 2021.
- Mo, J., Prévost, S. F., Blowes, L. M., Egertová, M., Terrill, N. J., Wang, W., Elphick, M. R., dan Gupta, H. S. 2016. Interfibrillar Stiffening of Echinoderm Mutable Collagenous Tissue Demonstrated at the Nanoscale. *Proceedings of the National Academy of Sciences*, 113(42): 362–371
- Motokawa, Tatsuo. 2019. Skin of Sea Cucumbers: the Smart Connective Tissue that Alters Mechanical Properties in Response to External Stimuli. *Journal of Aero Aqua Bio-mechanisms*, 8(1): 2–5.
- O'Loughlin, P. M. dan Ong, J. Y. 2015. New Tropical Caudinid and Sinaptid Sea Cucumbers from the Johor Straits (Echinodermata: Holothuroidea). *The Raffles Bulletin of Zoology*, 31: 292–302
- Orgel, J. P. R. O., Irving, T. C., Miller, A., dan Wess, T. J. 2006. Microfibrillar Structure of Type I Collagen in Situ. *PNAS*, 103(24): 9001–9005.
- Ottani, V., Martini, D., Franchi, M., Ruggeri, A., dan Raspanti, M. 2002. Hierarchical Structures in Fibrillar Collagens. *Micron*, 33(7): 587–596.
- Pamungkas, T. H. 2014. Kajian Potensi *Collagen* pada Teripang Pasir (*Holothuria scabra*) dari Pulau Pramuka Kepulauan Seribu. *Skripsi*. Bogor: IPB.
- Potaros, T., Runglerdkreangkrai, J., Raksakulthai, N., dan Worawattanamateekul, W. 2009. Characteristics of Collagen from Nile Tilapia (*Oreochromis niloticus*) Skin Isolated by Two Different Methods. *Kasetsart Journal*, 43(3): 584–593.

- Purcell S. W., Samyn, Y., dan Conand, C. 2012. *Commercially Important Sea Cucumbers of The World*. Roma: Food and Agriculture Organization of the United Nations.
- Raz, P., Brosh, T., Ronen, G., dan Tal, H. 2019. Tensile Properties of Three Selected Collagen Membranes. *BioMed Research International*, 2019: 1–3.
- Rodriguez, M. I. A., Barroso L. G.R., dan Sanchez M. L. 2019. Collagen: a Review on its Sources and Potential Cosmetic Applications. *J Cosmet Dermatol*, 17(1): 20–26.
- Rumian, A. P., Wallace, A. L., dan Birch, H. L. 2007. Tendons and Ligaments are Anatomically Distinct but Overlap in Molecular and Morphological Features—A Comparative Study in an Ovine Model. *Journal Of Orthopaedic Research*, 25(4): 458–464.
- Safithri M., Setyaningsih, I., Tarman, K., Yuhendri, V. M., dan Meydia, M. 2018. Potensi Kolagen Teripang Emas sebagai Inhibitor Tirosinase. *Jurnal Pengolahan Hasil Perairan Indonesia*, 21(2): 295–303.
- Saito, M., Kunisaki, N., Urano, N., dan Kimura, S. 2002. Collagen as the Major Edible Component of Sea Cucumber (*Stichopus japonicus*). *Journal of food science*, 67(4): 1319–1322.
- Samad, M. Y. 2000. Perbaikan Kualitas Produk Industri Kecil Teripang. *Jurnal Sains dan Teknologi Indonesia*, 3(3): 52–53.
- Santos, R., Haesaerts, D., Jangoux, M., dan Flammang, P. 2005. The Tube Feet of Sea Urchins and Sea Stars Contain Functionally Different Mutable Collagenous Tissues. *The Journal of Experimental Biology*, 208(12): 2277–2288.
- Setyowati, H. dan Setyani, W. 2015. Potensi Nanokolagen Limbah Sisik Ikan sebagai Cosmeceutical. *Journal of Pharmaceutical Science and Community*, 12(1): 30–40.
- Shoulders, M.D. dan Raines, R.T. 2009. Collagen Structure and Stability. *Annual Reviews Biochem*, 78(1): 929–958.
- Siahaan, E. A., Pangestuti, R., Munandar, H., dan Kim, Se-Kwon. 2017. Cosmeceuticals Properties of Sea Cucumbers: Prospects and Trends. *Cosmetics*, 4(3): 1–12.
- Subekti, S., Purnayudha, T. P., dan Masithah, E. D. 2014. Pengaruh Substrat Dasar yang Berbeda pada Sistem Resirkulasi terhadap Fisiologi Teripang

- Lokal (*Phyllophorus sp*) Selama Masa Adaptasi. *Jurnal Ilmiah Perikanan dan Kelautan*, 6(2): 179–185.
- Sugni, M., Fassini, D., Barbaglio, A., Biressi, A., Di Benedetto, C., Tricario, S., Bonasoro, F., Wilkie, I. C., dan Carnivali, M. D. C. 2013. Comparing Dynamic Connective Tissue in Echinoderms and Sponges: Morphological and Mechanical Aspect and Environmental Sensitivity. *Marine Environmental Research*, 93(2014): 123–132.
- Tian, Mo, Xue, C., Chang, Y., Shen, J., Zhang, Y., Li, Zaojie, dan Wang, Y. 2020. Collagen Fibrils of Sea Cucumber (*Apostichopus japonicus*) are Heterotypic. *Food Chemistry*, 316: 1–5.
- Ushiki, Tatsuo. 2002. Collagen Fibers, Reticular Fibers, and Elastic Fibers, A Comprehensive Understanding from a Morphological Viewpoint. *Arch. Histol. Cytol*, 65(2): 109–126.
- Van der Rest, M., dan Garrone, R. 1991. Collagen Family of Proteins. *FASEB Journal*, 5(13): 2814–2823.
- Varani, J., Dame, M. K., Rittie, L., Fligiel, S. E. G., Kang, S., Fisher, G. J., dan Voorhees, J. J. 2006. Decreased Collagen Production in Chronologically Aged Skin. *The American Journal of Pathology*, 168(6): 1861–1868.
- Wibowo, S. dan Yunizal. 1997, Teknologi Penanganan dan Pengolahan Teripang (Holothuroidea). Jakarta: IPPL Slipi.
- Wild Fact Sheets. 2008. Ball Sea Cucumber, *Phyllophorus sp*. <http://www.wildsinapore.com/wildfacts/echinodermata/holothuroidea/phylllophorus.htm>. 12 April 2020. 2 hal.
- Winarni, D., Affandi, M., Masithah, E. D., dan Kristanti, A. N. 2010. Eksplorasi Potensi Teripang Pantai Timur Surabaya Sebagai Modulator Imunitas Alami terhadap *Mycobacterium tuberculosis*. Laporan Penelitian Strategis Nasional, Universitas Airlangga.
- Winarni, D., Affandi, M., Masithah, E. D., dan Kristanti, A. N. 2014. Struktur Komunitas Teripang di Pantai Timur Surabaya. *Jurnal Matematika dan Ilmu Pengetahuan Alam*, 17(1): 1–6.
- Yunita, M., Laenggeng, A. H., dan Tangge, L. 2017. Kadar Protein Daging Teripang Hitam (*Holothuria edulis*) dan Teripang Pasir (*Holothuria scabra*) Serta Implementasinya sebagai Media Pembelajaran. *e-JIP BIOL*, 5(1): 1–9.