

## DAFTAR PUSTAKA

PERPUSTAKAAN  
UNIVERSITAS AIRLANGGA  
SURABAYA

- Ackers, R. G., and Moss, D., 2006, *Sponges of the British Isles*, Fifth Edition, Bernard E Picton, Belfast.
- Bavestrello, G., Bonito M., and Sara M., 1993, Influence of depth on the size of sponge spicules. *Sci. Mar.* 57: 415-420.
- Barthel, D., and Wolfrath., B., 1989, Tissue sloughing in the sponge *Halichondria panicea*: a fouling organism prevents being fouled. *Oecologia* 78 (3): 357-360
- Beccero, M.A., Lopez, N.I., Turon., X., and Uriz., M., 1994, Antimicrobial activity and surface bacterial film in marine sponges. *J. Exp. Mar. Biol. Ecol.* 179:195-205.
- Bell, J.J., Barnes, D.K.A., and Turner, J.R., 2002, The importance of micro and macro morphological variation in the adaptation of a sublittoral demosponge to current extremes. *Mar. Biol.* 140: 75-81.
- Bell, J., Bates, T., Shaffer, M., 2015, Sediment impact on marine sponges. *Mar. Poll. Bul.* 4(1-2):5-13.
- Bergquist, P. R., 1978, *Deep Water Demospongiae from New Zealand. Micronesica Sponges*. University of California Press, Berkeley.
- Bond, C., Harris A.K., 1988, Locomotion of sponges and its physical mechanism. *J. Exp. Zool.* 246: 271 - 284.
- Brusca, R.C., and Brusca, G.C, 2003, *Invertebrates: Second Edition*. Sinauer Associates, Inc Publiser, Sunderland.
- Cha, J.N., Shimizu, K., Zhou, Y., Christiansen, S.C., Chmelka, B.F., Stucky, G.D., and Morse, D.E., 1999, Silicatein filaments and subunits from a marine sponge direct the polymerization of silica and silicones in vitro. *Proc. Natl. Acad. Sci. USA* 96: 361-365.
- Coma, R., Ribes, M., Gili, J.M., Zabala, M., 2002, Seasonality in coastal benthic ecosystems. *Trends in Ecology & Evolution* 15 (11): 448-453.
- Connes, R., 1963, La spiculation des Spongiliidae est-elle un critère valable de systématique? *Bull. Soc. Zool. France* 88:388-392.
- Custodio, M.R., Hadju, E., Muricy, G., 2002, In vivo study of microsclere formation in sponges of the genus *Mycale* (Demospongiae, Poecilosclerida). *Zoomorphology* 121: 203-211.
- Dahlan, M. S., 2008, *Statistik untuk Kedokteran dan Kesehatan*. Salemba Medika: Jakarta.

- Desqueyroux-Faundez, R., 1990, Silica content of the New Caledonian fauna of Haplosclerida and Petrosiida and its possible taxonomic significance. In: Rutzler K, editor. *New perspectives in sponge biology. 3<sup>rd</sup> International Conference on the Biology of Sponges, 1985*: 279–283.
- Desqueyroux-Faundez, R., and Valentine, C., 2002, Family petrosiidae Van Soest, 1980. *Systema Porifera. A Guide to the Classification of Sponges*: 906-917.
- DeBiasse, M.B, and Hellberg, M.E., 2015, Discordance between morphological and molecular species boundaries among Caribbean species of the reef sponge *Callyspongia*. *Ecology and Evolution* 5(3): 663 – 675.
- DeMaster, D.J., Dunbar, R.B., Gordon, L.I., Leventer, A.R., Morrison, J.M., Nelson, D.M, Nittrouer, C.A., Smith Jr, W.O., 1992, Cycling and accumulation of biogenic silica and organic matter in high-latitude environments: the Ross Sea. *Oceanography* 5 (3): 146-153.
- Elvin, D.W., 1976, Seasonal Growth and Reproduction of an Intertidal Sponge, *Haliclona permollis* (Bowerbank). 51, *Biol. Bull.* 1: 108-125.
- Fariska, Y., 2010. Studi ekologi senyawaan spons *Callyspongia aerizusa* (Desqueyroux-Faundez, 1984) dari Kepulauan Seribu, Jakarta. *Seminar Nasional Biologi*.
- Frohlich, H., Barthel, D., 1997, Silica uptake of the marine sponge *Halichondria panicea* in Kiel Bight. *Mar. Biol.* 128(1): 115-125.
- Fry, W. G., 1970, The sponge population: a biometric approach. *Symp. Zool. Soc. Lond.* 25: 135-162.
- Gaino, E., Maconi, R., and Protanzo, R., 1995, Organizational plasticity as a successful conservative tactics in sponges. *Anim. Biol.* 4: 31-43.
- Garrone, R., Simpson, T.L., and Pottu, J., 1981, Ultrastructure and deposition of silica in sponges. In: Simpson TL, Volcani BE, editors. *Silicon and siliceous structures in biological systems*. New York: Springer 495–525.
- Gazave, E., Lape'bie, P., Renard, E., Vacelet, J., Rocher, C., Ereskovsky, A.V., Lavrov, D.V., and Borchiellini, C., 2010, Molecular phylogeny restores the supra-generic subdivision of homoscleromorph sponges (Porifera, Homoscleromorpha). *PLoS ONE* (5)12: e14290.
- Google Earth, 2015, <https://www.google.com/earth/>, diakses pada tanggal 7 Nopember 2015 pukul 15.00 WIB.
- Hadi, T.A., 2010, Biologi dan ekologi spons. *Oseana* 35: 33 – 48.
- Hanna, C., Schönberg, L., Barthel, D., 1998, Unreliability of Demosponge skeletal characters: the example of *Halichondria*. *Sponge science. Multidisciplinary perspectives*. Tokyo, Springer: 41–53.

- Hartman, W.D., 1981, Form and distribution of silica in sponges. In: Simpson TL, Volcani BE, editors. *Silicon and Siliceous Structures in Biological Systems*. New York: Springer 453–493.
- Hooper, J.N.A. 2000, *Sponge Guide to Sponge Collection and Identification*. <http://www.qmuseum.qld.gov.au/organisation/sections/SessileMarineInvertebrates/index.asp>. Accessed on 03 July 2012.
- Hooper, J.N.A. 2003, *Spongguide, Guide to Sponge Collection and Identification* (Ver : 2003). Queensland Museum, Brisbane.
- Hooper, J. N. A. and van Soest, R. W. M. 2002, *Systema Porifera. Guide to the Classification of Sponges*. Kluwer Academic/ Plenum Publishers, New York.
- Ilan, M., and Abeson, A., 1995, The life of a sponge in a sandy lagoon. *Bio. Bull.* 189: 363-369.
- Jackson, J.B.C., 1985, *Distribution and Ecology of Clonal and Aclonal Benthic Invertebrates*. In: Murray Printing Company, Massachusetts.
- Jones WC., 1970, Spicule form and morphogenesis in the calcareous sponge *Leuconia fistulosa* (Johnston). *Sponge sciences. Multidisciplinary perspectives*. Tokyo, Springer: 41–53.
- Koehl, M.A.R., 1982, Mechanical design of spicule-reinforced connective tissue: stiffness. *J. Exp. Biol* 98:239-267.
- Lehnert, H., Conway, K.W., Barrie, J.V., and Krautter, M., 2005, *Desmacella austini sp. nov.* from sponge reefs off the pacific coast of Canada. *Contributions to Zoology* 74: 265-270.
- Lévi, C.P., 1973, Systématique de la classe des Demospongiaria (Démospouges). *Traité de Zoologie* 3 (1): 577-632
- Lévi, C.P., Laboute, B., and Menou, 1998, *Sponge of the New Caledonian Lagoon*, Ostrum editions, Institut Francais de Recherche Scientifique, Paris.
- Lohrer, A.M., Hewitt, J.E., Thrush, S.F., 2006, Assessing far-field effect of terrigenous sediment loading in the coastal marine environment. *Mar. Ecol. Prog. Ser.* 315: 13-18.
- Maldonado, M., and Young, C.M., 1999, Bathymetric patterns of sponge distribution on the Bahamian slope. *Deep-Sea Research* 43: 897–915.
- Manconi, R., and Pronzato, R., 1991, Life cycle of *Spongilla lacustris* (Porifera, Spongillidae): a cue for environment-dependent phenotype. *Hydrobiologia* 220: 155–160.

- Manuel, M., Borojevic, R., Boury- Esnault, N., and Vacelet, J., 2002, Class Calcarea Bowerbank, 1864. In: Hooper and van Soest RWM, editors. *Systema Porifera: a guide to the classification of sponges*. Kluwer Academic: New York.
- McDonald, J.I., Hooper, J.N.A., McGuinness, K.A., 2002, Environmentally influenced variability in the morphology of *Cinachyrella australiensis* (Carter, 1886) (Porifera: Spirophorida: Tetillidae). *Mar Freshw Res* 53:79–84.
- Mercurio, M., Corriero, G., Scalera, Liaci, L., Gaino, E., 2000, Silica content and spicule size variations in *Pellina semitubulosa* (Porifera: Demospongiae). *Mar. Biol.* 137:87–92.
- Meroz-Fine, E., Shefer, S., Ilan, M., 2005, Changes in morphology and physiology of an East Mediterranean sponge in different habitats. *Mar. Biol.* 147:234-250.
- Morrow, C., and Cardenas, P., 2015. Proposal for revised classification of the Demospongiae (Porifera). *Frontiers in Zoology* 12:7.
- Palumbi, S.R., 1986, Tactics of acclimation: morphological changes in an unpredictable environment. *Science* 225: 1478-14780.
- Porter, J.W., 1972, Patterns of species diversity in Caribbean reef corals. *Ecology* 53: 745-748.
- Randall, J.E., Hartman, W.D., 1968, Sponge-feeding fishes of the West Indies. *Mar. Biol.* 1: 216–225.
- Reiswig, H.M., 2002, Class Hexatinellida Schmidt, 1870. In: Hooper and van Soest RWM, editors. *Systema Porifera: a guide to the classification of sponges*. Kluwer Academic: New York.
- Rutzler, K., and Macintyre, I.G., 1978, Siliceous sponge spicules in coral reef sediments. *Mar. Biol.* 49:147–159.
- Sarà, M., and Vacelet, J., 1973, Ecologie des De'mosponges. *Traite' de Zoologie* 3 (1): 462–576.
- Sarwono, J., 2006, *Metode Penelitian Kuantitatif dan Kualitatif*. Graha Ilmu: Yogyakarta.
- Schönberg, C.H.L., 2014, Self-cleaning surface in sponges. *Mar. Biodiv.* 1-2.
- Setiawan, E., de Voogd, N.J., Swierts, T., Hooper, J.N.A., 2015, MtDNA diversity of the Indonesian giant barrel sponge *Xestospongia testudinaria* (Porifera: Haplosclerida) – implications from partial cytochrome oxidase 1 sequences. *J. Mar. Biol. Ass. UK* 1 - 10 .
- Shepard, F.P., 1954, Nomenclature based on sand-silt-clay ratios. *Journal of Sedimentary Petrology* 24: 151-158.
- Shimizu, K., Cha, J.H., Stucky, G.D., and Morse, D.E., 1998, Silicatein alpha: capthesin like protein in sponge biosilica. *Proc. Natl. Acad. Sci.* 95: 6234-6238.

- Simpson TL. 1984, *The cell biology of sponges*. New York: Springer. 1–660.
- Simpson, T.L., and Vaccaro, C.A., 1974, An ultrastructural study of silica deposition in the fresh water sponge *Spongilla lacustris*. *J Ultrastr Res* 47:296–309.
- Stone, R.P., Lehnert H., and Reiswig, H., 2011, *A Guide to the Deep-Water Sponges of the Aleutian Island Archipelago*. NOAA Professional Paper.
- Subagio, I.B., dan Aunurohim, 2013, Struktur komunitas spons laut (Porifera) di Pantai Pasir Putih, Situbondo. *Jurnal Sains dan Seni POMITS* 2(2) 159-165.
- Sunyoto, D., 2011, *Analisis Regresi dan Uji Hipotesis*. Caps Publishing: Yogyakarta
- Swierts, T., Peijnenburg, K.T.C.A., de Leeuw, C., Cleary, D.F.R., Hornlein, C., Setiawan, E., Worheide, G., Erpenbeck, D., de Voogd, N.J., 2013, Lock, stock and two different barrels: comparing the genetic composition of morphotypes of the Indo-Pacific sponge *Xestospongia testudinaria*. *PLoS ONE* 8(9): e74396.
- Tabachnik, K.R., 1994, Distribution of recent Hexactinellida. In: Van Soest, R.W.M., Van kempen, T.M.G., Braekman, J.-C. (Eds.), *Sponges in Time and Space*. A.A. Balkema, Rotterdam.
- Uriz, M.J., and Martin D, Rosell D., 1995, Relationship of biological and taxonomic characteristics to chemically mediated bioactivity in mediterranean littoral sponges. *Mar. Biol.* 113: 287-297.
- Uriz, M.J., Turon, X., and Becerro, M., 2000, Silica deposition in Demosponges: spiculogenesis in *Crambe crambe*. *Cell Tissues Res* 301: 299-309.
- Uriz, M.J., Turon, X., and Becerro, M., 2003, Silica deposition in Demosponges. *Progress in Molecular and Subcellular Biology* 33: 163-193.
- Vacelet, J., and Boury-Esnault, N., 1995, Carnivorous sponges. *Nature* 148: 553–584.
- Vacelet, J., 1998, Planktonic armoured propagules of the excavating sponge *Alectona* (Porifera): Demospongiae) are larvae: evidence from *Alectona wallichii* and *A. mesatlantica* sp. nov. *Mem. Queensl. Mus* 627–642.
- van Soest, R.W.M, Boury-Esnault, N., Hooper, J.N.A., Rützler, K., de Voogd, N.J., Alvarez de Glasby, B., Hajdu, E., Pisera, A.B., Manconi, R., Schoenberg, C., Janussen, D., Tabachnick, K.R., Klautau, M., Picton, B., Kelly, M., Vacelet, J., Dohrmann, M.; Díaz, M.-C.; Cárdenas, P. 2015, *Xestospongia testudinaria* (Lamarck, 1815). In *World Porifera Database*. Diakses pada tanggal 07-12-2015 pukul 15.21 WIB.
- Wang, X., Wiens, M., Schroder, H.C., Schloßmacher, U., Pisignano, D., Jochum, K.P., Muller, and Werner E.G., 2011, Evagination of cells controls bio-silica formation and maturation during spicule formation in sponges. *PLoS ONE* 6(6): e20523

Yahel, G., Eerkes-Medrano, D.I., and Leys, S.P., 2006. Size independent selective filtration of ultraplankton by hexactinellid glass sponge. *Aquat Microb Ecol* 45: 181-194.