

DAFTAR PUSTAKA

- Achmad, M. 2008. *Tehnik Simulasi dan Permodelan*, Yogyakarta Universitas Gadjah Mada.
- Andréfouët, S., F.E. Muller-Karger, E.J. Hochberg, C. Hu, and K.L. Carder. 2001. *Change detection in shallow coral reef environments using Landsat 7 ETM+ data*. *RemoteSensing of Environment*, 78(1-2): 150-162. Baker
- Andrefouet S, et al. 2003. *Multi-site Evaluation of Ikonos Data for Classification of Tropical Coral Reef Environments*. *Remote Sens Environ* 88:128-13
- Asadi, M. A dan Andrimida, A. 2017. *Valuasi Ekonomi Terumbu Karang Bangsring, Indonesia*. FPIK. Universitas Brawijaya. Malang
- Badan Pusat Statistik (BPS) Kabupaten Banyuwangi. 2014. *Statistik Kecamatan Wongsorejo 2014*. Katalog BPS : 1101002.3510210. Banyuwangi
- Bukata, R. P., Jerome, J. H., Kondratyev, K. Y., dan Pozdnyakov, D.V.1995. *Optical Properties and Remote Sensing of Inland and Coastal Waters: CRC Press*.
- Bengen DG. 2002. *Sinopsis Ekosistem Sumberdaya Alam Pesisir dan Laut serta Prinsip Pengelolannya*. Pusat Kajian Sumberdaya Pesisir dan Lautan, Institut Pertanian Bogor (PKSPL-IPB).
- Boltovskoy, E. and R. Wright. 1976. *Recent Foraminifera*. Dr. W. June, B. V. Publisher, The Haque, Netherland. 147 halaman.
- Carrère, V. Spilmont, N. Davoult D. *Comparison of simple techniques for estimating chlorophyll a concentration in the intertidal zone using high spectral-resolution field-spectrometer data*. *Marine Ecology Progress Series*. Vol 274 p.31-40
- Danoedoro, P., 2012. *Pengantar Penginderaan Jauh Digital*, Yogyakarta: Penerbit Andi.
- Dahuri, R., 2003. *Keanekaragaman Hayati Laut*. PT. Gramedia Pustaka Utama, Jakarta.
- de Nooijer LJ, Toyofuku T, Kitazato H (2009) Foraminifera promote calcification by elevating their intracellular pH. *Proceedings of the National Academy of Sciences* 106:15374-15378
- Dewi, K.T dan Darlan Y. 2008. *Partikel Mikroskopis Dasar Laut Nusantara*. Edisi Publikasi.Pusat Penelitian dan Pengembangan Geologi Kelautan (P3GL). Bandung.
- Dewi, K.T and Saputro, E. 2013. *Sebaran Spasial Foraminifera dalam Kaitannya dengan Kedalaman Laut dan Jenis Sedimen di Teluk Bone, Sulawesi Selatan*. Pusat Penelitian dan Pengembangan Geologi kelautan. Bandung
- DigitalGlobe.2010.http://www.digitalglobe.com/downloads/TheBenefits_8BandData.pdf diunduh tanggal 14 september 2017.
- Dove, S. G., M. Takabayashi, And O. Hoegh-Guldberg. 1995. *Isolation and partial characterization of the pink and blue pigments of pocilloporid and acroporid corals*. *Biol. Bull.* 189: 288–297.

- Falkowski, P. G., dan Raven, J. A. 1997. *Aquatic photosynthesis*. Malden, Mass: Blackwell Science.
- Green, E. P., Mumby, P. J., Edward, A. J., dan Clark, C. D. 2000. *Remote Sensing Handbook for Tropical Coastal Management*: UNESCO.
- Goetz, AFH. Vane, G. Solomon, JE dan Rock, BN .1985. *Imaging Spectrometry for Earth Remote Sensing* SCIENCE. vol. 228. pp.1147-1153.
- Goodman, J. A., Lee, Z., L., Ustin, S. L. 2008. Influence of atmospheric and sea-surface corrections on retrieval of bottom depth and reflectance using a semi-analytical model: a case study in Kaneohe Bay, Hawaii. *APPLIED OPTICS*. Vol. 47:28
- Gustiantini, L. 2001. Analisis Kandungan Foraminifera Kecil dari Sedimen Permukaan dalam Kaitannya dengan Pencemaran Logam Berat di Laguna Segara Anakan, Kabupaten Cilacap, Jawa Tengah. Skripsi. Universitas Padjadjaran. Bandung
- Hallock, P. 1974. *Sediment Production and Population Biology of The Benthic Foraminifera Amphistegina Rnadagascariensis*. *Limnology And Ocean*. 19(5):802–809.
- _____, P., Talge HK, Cockey EM, Muller RG .1995. *A new disease in reef-dwelling foraminifera: Implications for coastal sedimentation*. *J Foramin Res* 25:280-286
- _____, P., B.H. Lidz, E.M. CockeyBurkhard, and K.B. Donnelly. 2003. *Foraminifera as bioindicators in coral reef assessment and monitoring: The FORAM Index*. *Environmental Monitoring dan Assessment J.*, 81:221-238.
- Hedley, J. D., A. R. Harborne, and P. J. Mumby. Technical note: Simple and robust removal of sun glint for mapping shallow water benthos. *Int J Remote Sens* 2005; 26(10):2107-2112.
- Hochberg, E.J. and M.J. Atkinson 2000. *Spectral Discrimination of Coral Reef Benthic Communities*. *Coral Reefs*, 19:164–171.
- Isoun, E., C. Fletcher, N. Frazer and J. Gradie. 2003. *Multi-spectral mapping of reef bathymetry and coral cover: Kailua Bay, Hawaii*. *Coral Reefs*, 22:68–82.
- Jensen, J.R., 2005. *Introductory Digital Image Processing: A Remote Sensing Perspective 3rd ed.*, New York: Pearson Education Inc.
- Jupp, D.L.B., K.K. Mayo, D.A. Kuchier, D. Van R. Cleasen dan R.A. Kenchington. 1985. *Landsat and Support for Management of The Great Barrier Reef Australia*. Photogrammatation.
- Kasim, F. 2011. Pelestarian Terumbu Karang untuk Pengembangan Kelautan Daerah Berkelanjutan. Fakultas Pertanian. UNG
- Kawaguti, S. 1944. *On the physiology of reef corals VI*. Study on the pigments. *Palao Trop. Biol. Stn. Stud.* 2: 617–674.
- KPP. COREMAP. 2001. *Buku Panduan Pengelolaan Berbasis Masyarakat (PBM)-COREMAP-Lembaga Ilmu Pengetahuan Indonesia*. Jakarta
- Kokaly, R.F., 2011. *PRISM: processing routines in IDL for spectroscopic measurements (installation manual and user's guide, version 1.0)*. U.S. Geological Survey Open-File Report, 1155

- Kokaly, R.F., and Clark, R.N., 1999. Spectroscopic Determination of leaf biochemistry using Band-Depth analysis of absorption features and stepwise multiple linear regression, *Remote Sensing of Environment*, Vol. 67 (3), pp. 267-287.
- Lee JJ, Anderson OR (1991) *Symbiosis in Foraminifera*. In: Lee JJ, Anderson OR (eds) *Biology of Foraminifera*. Academic Press Limited, San Diego, pp157-220
- _____, Hallock P .1987. *Algal symbiosis as the driving force in the evolution of larger Foraminifera*. *Annals of the New York Academy of Sciences* 503:330-347
- _____.1998. “*Living Sands*” – *larger foraminifera and their endosymbiotic algae: Symbiosis*, v. 25, p. 71–100.
- _____, and Anderson, O. R., 1991, Symbiosis in foraminifera, in Lee, J. J., and Anderson, O. R. (eds.), *Biology of Foraminifera*: Academic Press, London, p. 157–220.
- Lillesand, Th and Kieffer, R.W. 1993. *Penginderaan Jauh dan Intepretasi Citra (terjemahan)*. Universitas Gadjah Mada Press. Yogyakarta.
- Longley, P.A., Goodchild, M.F., Maguire, D.J., dan Rhind, D.W., 2005a. *Geographical Information Systems: Principles, Techniques, Management and Applications 2nd ed.*, New York: John Wiley dan Sons.
- Lyzenga, D. R., 1978. *Passive Remote Sensing Techniques for Mapping Water Depth and Bottom Feature*. *Applied Optics*, 17(3) 379-383.
- _____, D. R., 1981. *Remote Sensing of Bottom Reflectance and Water Attenuation Parameters in Shallow Water using Aircraft and Landsat Data*. *International Journal of Remote Sensing*, 2(1), 71-82.
- McRoy, C. P. and R. J. Barsdate. 1970. *Phosphate absorption in eelgrass*. *Limnology and Oceanography* 15:6-13
- Milton. EJ, Schaepman. ME, Anderson. K, Kneubühler. M dan Fox. N. 2009. *Progress in field spectroscopy*. *Remote Sensing of Environment*. vol. 113. pp. S92- S109.
- Mojtahid, M., Jorissen, F., Lansard, B., Fontanier, C., Bombled, B., Rabouille, C., 2008. *Spatial distribution of live benthic foraminifera in the Rhône prodelta: Faunal response to a continental–marine organic matter gradient*. *Marine Micropaleontology*. Vol. 70:177-200
- Müller-Merz E, Lee. JJ (1976) Symbiosis in the Larger Foraminiferan *Sorites marginalis* (with Notes on *Archaias* spp.). *Journal of Protozoology* 23:390–396
- Muller, P. Hallock. 1974. *Sediment production and population biology of benthic foraminifera *Amphistegina madagascar- iensis**: *Limnology and Oceanography*. Vol 19. P. 802-809.
- Mumby, P. J., E. P. Green, A. J. Edwards, and C. D. Clark. 1997. *Coral reef habitat mapping: how much detail can remote sensing provide?* *Marine Biology*, 130: 193-202.

- _____, P. J. Skirving, W., Strong, A. E., Hardy, J. T., Ledrew, E. F., Hochberg, E. J., Stumpf, R. P., David, L. T. 2004. *Remote Sensing of Coral Reefs and their physical environment*. Marine Pollution Bulletin. Vol. 48:219-228
- Natsir, SM.1996. Pemakaian Mikrofosil untuk Interpretasi Geologi. Lingkungan Tropis. Edisi 2 Januari, No. 2: 1-12.
- Nobes, K. dan Uthicke, S., 2008. *Benthic foraminifera of the Great Barrier Reef, a guide to species potentially useful as water quality indicators*. The Australian Government's, Marine and Tropical Sciences Research Facility, Project 3.7.1 Marine and estuarine indicators and thresholds of concern. 38h.
- Nybakken, J. W. 1992. Biologi Laut Suatu Pendekatan Ekologis. Cetakan ke-2. PT. Gramedia Pustaka Utama. Jakarta
- Nurlidiasari, M. 2004. *The application of QuickBird and Multy-temporal Landsat TM data for coral reef habitat mapping. Case study: Derawan Island, East Kalimantan, Indonesia*. 92 hal
- Nurruhwati, Isni, et al. 2012. Kelimpahan Foraminifera Bentik Pada Sedimen Permukaan di Perairan Teluk Jakarta. Jurnal Akuatika. Vol 3 No : 1
- Paine, D.P. 1992. Fotografi Udara dan Penafsiran Citra untuk Pengolahan Sumberdaya . Terjemahan. Gajah Mada University Press. Yogyakarta.
- Phin SR, Roelfsema CM, Mumby PJ. 2011. *Multi-scale, Object-based Image Analysis for Mapping Geomorphic and Ecological Zones on Coral Reefs*. Int J Remote Sens 33:3768-3797
- Phinn, S. R., Goodman, J. A., Purkis, S.J. 2013. Coral Reef Remote Sensing : A Guide for Mapping, Monitoring, and Management. Springer. New York. 1:5-6
- Purkis, S.J., J.A.M. Kenter, E.K. Oikonomou, and I.S. Robinson. 2002. *High-resolution ground verification, cluster analysis and optical model of reef substrate coverage on Landsat TM imagery (Red Sea, Egypt)*. Int. J. Remote Sensing, 23(8):1677-1698.
- Pu, R. Ge, S. Kelly, N M. Gong, P. 2003. *Spectral absorption features as indicators of water status in coast live oak (Quercus agrifolia) leaves*. Int. J. Remote Sensing. 24(9):1799–1810.
- Reid, C., J. Marshall, D. Logan dan D. Kleine. 2011. Terumbu Karang dan Perubahan Iklim; Panduan Pendidikan dan Pembangunan Kesadartahuan. Kerjasama Australian Government Department of Sustainability, Environment, Water, Population and Communities dengan Kementerian Kelautan dan Perikanan, The University of Queensland Australia dan Coralwatch.
- Renema, W., dan Toelstra S.R.,2001, *Larger foraminifera distribution on a mesotrophic carbonate shelf in SW Sulawesi, Indonesia*. Palaeogeography, Palaeoclimatology, Palaeoecology, v. 175, p. 125– 146.
- Renema, W. 2008. *Habitat Selective Factors Influencing the Distribution of Larger Benthic Foraminiferal Assemblages Over The Seribu Island*. Marine Micropaleont. Vol.68: 286-298.
- Roelfsema C, Phinn S, Jupiter S, Comley J, Albert S. 2013. *Mapping Coral Reefs at Reef to Reef-system Scales, 10s-1000km², using object-based image analysis*, Int J Remote Sens 34: 6367-6388.

- Rositasari, R. 1993. Asosiasi Foraminifera dalam Ekosistem Bahari. Balitbang Oseanografi, Puslitbang Oseanografi-LIPI, Jakarta.
- _____, R. 1996. Sebaran Sedimen di Perairan Sekitar Muara Bekasi Teluk Jakarta dan Muara Ciawi Ujung Kulon. Hasil-hasil Penelitian Oseanologi. 2: 69-79
- _____, R. 2002. Komunitas Foraminifera di Teluk Banten, Jawa Barat. Perairan Indonesia: Oseanografi, Biologi dan Lingkungan. 5: 47-52.
- _____, R. 2009. Dampak Detergen Terhadap Foraminifera di Kepulauan Seribu Bagian Selatan, Teluk Jakarta. Oseanologi dan Limnologi di Indonesia. Edisi Desember: 335-366.
- _____, R. 2005. Keluarga foraminifera bercangkang pasir sebagai kelompok oportunistik. Oseana, 30(3):9-19.
- Siswandono, 1987. Aplikasi Penginderaan Jauh Untuk Kajian Terumbu Karang Kepulauan Seribu. Tesis Fakultas Pasca Sarjana, Universitas Gajah Mada. Yogyakarta.
- Scopélitis, J., S. Andréfouët, S. Phinn, P. Chabanet, O. Naim, C. Tourrand, and T. Done. 2009. *Changes of coral communities over 35 years: Integrating in situ and remotesensing data on Saint-Leu Reef (la Réunion, Indian Ocean)*. Estuar Coast Shelf S., 84(3):342-352.
- Schaffelke, B., A. Thompson, J. Carleton, E. Cripps, J. Davidson, J. Doyle, M. Furnas, K. Gunn, S. Neale, M. Skuza, S. Uthicke, M. Wright, and I. Zagorskis. 2008. *Water quality and ecosystem monitoring programme reef water quality protection plan. Final report 2007/08*. Australian Institute of Marine Science. Townsville. 154p
- Smith, V.E., Rogers, R.H., Reed, L.E., 1975. Automated mapping and inventory of Great Barrier Reef zonation with landsat. IEEE Ocean'75 1, 775-780.
- Suhaidi. 2008. Struktur Geologi dan Biostratigrafi Foraminifera Daerah Cepu Kabupaten Blora Jawa Tengah. Skripsi. Universitas Padjadjaran. Bandung.
- Suharsono. 1996. Jenis-jenis Karang yang Umum dijumpai di Perairan Indonesia. Puslitbang Oseanologi – LIPI. Jakarta.
- Tomascik, T, Janice, A, Nontji, Adan Moosa, MK. 1997. *The Ecology Indonesian Seas Part Two*. Periplus Edition. Jakarta.
- Sutanto, Prof. 1994. Penginderaan Jauh I. Universitas Gadjah Mada. Yogyakarta
- Veron, J.E.N. 1995. *Corals in space and time: biogeography and evolution of Scleractinia*. Australia Institute of Marine Science. Cape Ferguson, Townsville Queensland.
- Wainwright, J. dan Mulligan, M., 2004. Environmental Modelling: Finding Simplicity in Complexity, New York: John Wiley dan Sons Inc. Available at: <http://doi.wiley.com/10.1002/9781118351475>.
- Wal, Van Der, Herman, P M J. Forster, R M *et al.*, 2008. *Distribution and dynamics of intertidal macrobenthos predicted from remote sensing: response to microphytobenthos and environment*. Marine Ecology Progress Series. Vol. 367:57-72.

- Wicaksono, P, and Murti, S. H (2011), *Evaluation of ASTER Performance for Coral Reef Cover Mapping. Case Study in Menjangan Besar and Menjangan Kecil Island, Karimunjawa Island, Indonesia*. Proceedings of the 11th SEASC and 13th International Surveyors Congress “Innovation towards Sustainability”, Kuala Lumpur, SEASC
- Wood, P., J. 1997. *Biological Effects of Fine Sediment in the Lotic Environment*. Environmental Management Vol.21, No.2, pp.203–217.
- Yassini, Idan Jones, BG. 1995. *Recent Foraminifera and Ostracoda From Estuarine and Shelf Environments On The Southeastern Coast of Australia*. The University of Wollongong Press. Wollongong, Australia.
- https://en.wikipedia.org/wiki/Fringing_reef (diakses 14 September 2017)
- <http://www.wikiwand.com/jv/Foraminifera> (diakses 5 September 2017) :
- <http://www.wikihow.com/Calculatezthe-Standard-Error-of-Estimate>