

DAFTAR PUSTAKA

- Agustina, L. 2014. Struktur Komunitas dan Valuasi Ekonomi Padang Lamun di Perairan Kawasan Konservasi Laut Daerah Desa Berakit Bintan. Skripsi. Universitas Maritim Raja Ali Haji, Tanjungpinang.
- Ahuja, Satinder. 2015. Food, Energy, and Water: The Chemistry Connection. Elsevier.
- Al-Bader, D.A., D.A., Shuail, R. Al-Hasan, dan P. Suleman. 2014. Intertidal seagrass halodule uninervis: factor controlling its density, biomass and shoot length. Kuwait Journal Science. (41): 171-192.
- Apramilda, Riesna. 2011. Status Temporal Komunitas Lamun dan Keberhasilan Transplantasi Lamun pada Kawasan Rehabilitasi di Pulau Pramuka dan Harapan, Kepulauan Seribu, Provinsi DKI Jakarta. Departemen Manajemen Sumberdaya Perairan Fakultas Perikanan dan Ilmu Kelautan Institut Pertanian Bogor. Skripsi. Hal. 43.
- Archer, David. 2010. The global carbon cycle. Princeton: Princeton University Press.
- Azkab, M.H. 1999. Pedoman inventarisasi lamun. Oseana. 24(1):1-16.
- Badalamenti, F., A. Alagna, S. Fici. 2015. evidences of adaptive traits to rocky substrates undermine paradigm of habitat preference of the mediterranean seagrass posidonia oceanica. Scientific Reports. 5: 8804.
- Badan Pusat Statistik. 2021. Kabupaten Kepulauan Seribu Dalam Angka. Badan Pusat Statistik Kabupaten Administrasi Kepulauan Seribu.
- Balai Taman Nasional Kepulauan Seribu. 2008. Inventarisasi Padang Lamun di Taman Nasional Kepulauan Seribu. Jakarta. Balai Taman Nasional Kepulauan Seribu. 44 halaman.
- Bazzaz, F. A. 1996. Plants in Changing Environments. Cambridge University Press. p. 4.
- Bedulli, C., P. S. Lavery, M. Harvey, C.M. Duarte, dan S. Oscar. 2020. Contribution of seagrass blue carbon toward carbon neutral policies in a touristic and environmentally-friendly island. Frontiers in Marine Science. p.1.

- Burrows, A., J. Holman, A. Parsons, G. Pilling, dan G. Price. 2017. *Chemistry: Introducing Inorganic, Organic and Physical Chemistry*. Oxford University Press. p. 70.
- Coelho, R. T., S. Yamada, D. K. Aspinwall, M. L. H. Wise. 1995. The application of polycrystalline diamond (PCD) tool materials when drilling and reaming aluminum-based alloys including MMC. *International Journal of Machine Tools and Manufacture*. 35 (5): 761–774.
- Lembaga Ilmu Pengetahuan Indonesia. 2014. *Panduan Monitoring Padang Lamun. COREMAP-CTI*. Jakarta. LIPI. 32 Halaman.
- Churkina, G., A. Organschi, C. P. O. Reyer, A. Ruff, K. Vinke, Z. Liu, B. K. Reck, T. E. Graedel, dan H. J. Schellnhuber. 2020. Buildings as a global carbon sink. *Nature sustainability*. 3 (4): 269–276.
- Duarte, C. M. 1990. Seagrass nutrient content. *Mar. Ecol. Prog. Ser.*, 67: 201-207.
- Duarte, C. M., I. J. Losada, I. E. Hendriks, I. Mazarrasa, dan N. Marbà. 2013. The role of coastal plant communities for climate change mitigation and adaptation. *Nat. Clim. Chang*. 3, 961–968.
- English, S.C., Wilkinson dan V. Baker. 1997. *Survey Manual for Tropical Marine Resources*. Australian Institute of Marine Science. Townville.
- Falkowski, P., R. J. Scholes, E. Boyle J. Canadell, D. Canfield, J. Elser, N. Gruber, K. Hibbard, P. Högberg, S. Linder, F. T. MacKenzie, T. Pedersen, Y. Rosenthal, S. Seitzinger, V. Smetacek, dan W. Steffen. 2000. The global carbon cycle: a test of our knowledge of earth as a system. *science*. 290 (5490): 291–296.
- Fourqurean, J.W., B. Johnson, J.B. Kauffman, H. Kennedy, I. Emmer, J. Howard,, E. Pidgeon, O. Serrano. 2014. Conceptualizing the project and Developing a Field Measurement Plan. *Coastal Blue Carbon: Methods for Assessing Carbon Stock and Emissions factor in Mangrove, Tidal Salt Marsh, and Seagrass Meadow*. The Blue Carbon Initiative. p. 39-107.
- Fourqurean, J.W., C.M. Duarte, H. Kennedy, N. Marba, M. Holmer, M.A. Mateo, E.T. Apostolaki, G.A. Kendrick, D. Krause-Jensen,, K. McGlathery, dan O. Serrano.

2012. Seagrass ecosystems as a globally significant carbon stock. *Nat. Geosci.* 5, 505–509.
- Friedlingstein, Pierre. 2019. Global carbon budget 2019. *Earth System Science Data*. 11 (4):1783–1838.
- Gao, Q., H. Liu, C. Cheng, K. Li, J. Zhang, C. Zhang, dan Y. Li, 2013. Preparation and characterization of activated carbon from wool waste and the comparison of muffle furnace and microwave heating methods. *Powder Technology*, 2013; (249): 234–240.
- Graha, Y. I., I. W. Arthana dan I. W. G. A. Karang. 2015. Simpanan karbon padang lamun di kawasan Pantai Sanur, Kota Denpasar. *J. Ecotrophic* 10(1): 46-53.
- Grech, A., K. Chartrand-Miller, P. Erftemeijer, M. Fonseca, L. McKenzie, M. Rasheed, H. Taylor, dan R. Coles. 2012. A comparison of threats, vulnerabilities and management approaches in global seagrass bioregions. *Environ. Res. Lett.* 7(2), 024006.
- Gunawan, J., M. Parengkuan, A. J. Wahyudi, dan F. Zulpikar. 2014. Estimasi stok karbon pada biomassa lamun di Pulau Semak Daun, Kepulauan Seribu. *Oseanologi dan Limnologi di Indonesia*. 4(2):89-99
- Guerra-Vargas, L.C., L.C. Gillis, J.E. Mancera-Pineda. 2020. Stronger together: do coral reefs enhance seagrass meadows “blue carbon” potential. *Frontiers in Marine Science*. 7th Volumes. P.628.
- Hariato. 2005. Inventarisasi Lamun di Kepulauan Karimunjawa: Laporan Kegiatan Inventarisasi Lamun (Seagrass) Balai Taman Nasional Karimunjawa. Balai Taman Nasional Karimunjawa. Karimunjawa.
- Heck, K. L., T. J. B. Carruthers, C. M. Duarte, A. Hughes. K. Randall, O. Gary, J. Rober, S. W. Williams. 2008. Trophic transfers from seagrass meadows subsidize diverse marine and terrestrial consumers. *Ecosystems*. 11 (7): 1198–1210
- Hemminga M. A. and Duarte C. M. 2000. *Seagrass Ecology*. Cambridge University Press.

- Jackson, E.L., C. Wilding, M.J. Attrill. 2015. Use of a seagrass residency index to apportion commercial fishery landing values and recreation fisheries expenditure to seagrass habitat service. *Conserv. Biol.* 29 (3), 899–909.
- Kennedy, H., J. Beggins, C. M. Duarte, J. W. Fourqurean, M. Holmer, dan N. Marbà. 2010. Seagrass sediments as a global carbon sink: isotopic constraints. *Global Biogeochem.*
- Kementrian Lingkungan Hidup dan Kehutanan. 2004. Keputusan Menteri Lingkungan Hidup Nomor 200 Tahun 2004 Tentang Kriteria Baku Kerusakan dan Pedoman Penentuan Status Padang Lamun. Jakarta, DKI.
- Kiswara W. 2004. Kondisi padang lamun (*seagrass*) di teluk banten 1998 – 2001. Pusat Penelitian dan Pengembangan Oseanologi. Lembaga Ilmu Pengetahuan Indonesia. Jakarta.
- Kunst, H., B. Haase, J. C. Malloy, K. Wittel, M. C. Nestler, A. R. Nicoll, U. Erning, dan G. Rauscher. 2006. Metals, Surface Treatment. *Ullmann's Encyclopedia of Industrial Chemistry*. Weinheim: Wiley-VCH.
- Laffoley, D. dan Grimsditch, G. 2009. *The Management of Natural Coastal Carbon Sinks*. IUCN, Gland Switzerland
- Lavery, P. S., M. Á. Mateo, O. Serrano, dan M. Rozaimi. 2013. Variability in the carbon storage of seagrass habitats and its implications for global estimates of blue carbon ecosystem service. *PloS One*.
- Lide, D. R. 2005. *CRC Handbook of Chemistry and Physics*. 86th edition. Boca Raton (FL): CRC Press.
- Macreadie, P. I., M. E. Baird, S. M. Trevathan-Tackett, A. W. D. Larkum, and P. J. Ralph. 2013. Quantifying and modelling the carbon sequestration capacity of seagrass meadows. *Marine Pollution Bulletin*. 83 (2): 430–439.
- Macreadie, P.I., A. Anton, J.A. Raven, N. Beaumont, R.M. Connolly, D.A. Friess, J.J. Kelleway, H. Kennedy, T. Kuwae, P.S. Lavery. and C.E. Lovelock. 2019. The future of blue carbon science. *Nature communications*, 10(1): 1–13.

- Mateo, M., J. Cebrián, K. Dunton, dan T. Mutchler. 2006. Carbon flux in seagrass ecosystems, dalam *Seagrasses: Biology, Ecology and Conservation*. Springer, 159–192.
- Matson, P. A., P. M. Vitousek, C. Melissa, F. S. Chapin. 2011. *Principles of terrestrial ecosystem ecology* (2nd Edition). New York: Springer.
- McKenzie, L., S. M. Yaakub, and R. Yoshida. 2007. *Seagrass-Watch: Guidelines for Team Seagrass Singapore Participants*. Proceedings of training workshop, National Parks Board, Biodiversity Centre (p. 32pp). Singapore: DPI&F, Cairns.
- McKenzie, L. J. dan, R. L. Yoshida. 2009. *Seagrass-Watch: Proceeding of workshop for monitoring seagrass habitats in Indonesia*. The Nature Conservancy. Coral Triangel Center. Sanur Bali. 56pp.
- McPherson, E. G., Q. Xiao, E. dan Aguaron. 2013. A new approach to quantify and map carbon stored, sequestered and emissions avoided by urban forests. *Landscape and Urban Planning*. 120: 70–84.
- Ortega, A., dan N.R. Geraldi. 2019. Important contribution of macroalgae to oceanic carbon sequestration. *Nature Geoscience*. 12 (9): 748–754.
- Rackley, Stephen A. 2010. *Ocean storage: carbon capture and storage*. Elsevier, pp. 267–286.
- Rahmawati, S. 2011. Estimasi cadangan karbon pada komunitas lamun di Pulau Pari, Taman Nasional Kepulauan Seribu, Jakarta. *Jurnal Segara* 7(1), 1-12.
- Riebeek, Holli. 2011. *The Carbon Cycle*. Earth Observatory. NASA. Diakses pada 28 November 2021.
- Ricklefs, R.E. 2005. *The Economy of Nature*, 6th edition. WH Freeman, USA.
- Rothman, D. H. 2002. Atmospheric carbon dioxide levels for the last 500 million years. *Proceedings of the National Academy of Sciences*. 99 (7): 4167–4171.
- Sedjo, R., dan B. Sohngen. 2012. Carbon sequestration in forests and soils. *Annual Review of Resource Economics*. 4: 127–144.

- Short, F. T., L. J. Mckenzie, R. G. Coles, dan J. L. Gaeckle. 2004, *SeagrassNet Manual for Scientific Monitoring of Seagrass Habitat*. QDPI, Northern Fisheries Centre. Western Pasific Edition, University of New Hampshire, USA.
- Smith, S., dan S. Mark. 2009. the historical roots of the nature conservancy in the Northwest Indiana/Chicago land region: from science to preservation. *The South Shore Journal*. 3: 1-10.
- Libes, S. M. 2015. *Blue planet: The role of the oceans in nutrient cycling, maintain the atmosphere system, and modulating climate change*. Routledge. pages 89–107.
- Taurusman, A. A., Damar, A., Adrianto, dan, L., Trihandoyono, A. 2010. Model Restorasi Ekosistem Lamun (*seagrass*) dan Restocking Teripang dengan Pendekatan Partisipatif: Suatu Program Riset Aksi di Pulau Seribu, Jakarta. Prosiding Lokakarya Nasional I Pengelolaan Ekosistem Lamun, LIPI, PKSPL IPB, KKP & KLH. Jakarta, 18 November 2009.
- Tebaiy, S. 2012. Kontribusi Ekonomi Sumberdaya Padang Lamun Berdasarkan Fungsinya Sebagai Habitat Ikan Di Teluk Youtefa Jayapura Papua. Prosiding Seminar Nasional Ikan ke-8, Jurusan Perikanan Fakultas Peternakan Perikanan dan Ilmu Kelautan UNIPA. Papua Barat. Hal: 143-152.
- Travaille, K., P. Salinas-de-Leon, & J. Bell. 2015. Indication of visitor trampling impacts on intertidal seagrass beds in a New Zealand Marine Reserve. *Ocean & Coastal Management*. 114: 145-150