

## DAFTAR PUSTAKA

- Ahmad, T., Tjaronge, M., & Cholik, F. (2001). The Use of Mangroves Stands for Shrimp Waste Water Treatment. *IFR Jurnal*, 7(1), 7-15. Diakses melalui <http://ejournal.balitbang.kkp.go.id/index.php/ifrj/article/viewFile/5589/4885>
- Alaerts, G. & Santika, S. S. (1987). *Metode Penelitian Air*. Surabaya: Usaha Nasional
- Amin, B. (2001). Akumulasi dan Distribusi Logam Berat Pb dan Cu pada Mangrove (*Avicennia marina*) di Perairan Pantai Dumai, Riau. *Jurnal Natur Indonesia*, 4(1), 80-86. Diakses melalui [www.jpp.ub.ac.id](http://www.jpp.ub.ac.id)
- Arbie, R. R., Winardi, D.N., & Sudarno. (2015). Kemampuan Self Purification pada Sungai Progo Ditinjau dari Parameter Organik DO dan BOD Point Source: Limbah Sentra Tahu Desa Tuksono Kecamatan Sentolo, Kabupaten Kulon Progo, Provinsi D.I. Yogyakarta. *Jurnal Teknik Lingkungan*, 4(3), 7-15. Diakses melalui <http://ejournal-s1.undip.ac.id/index.php/tlingkungan>
- Asdak, C. (2010). *Hidrologi dan Pengelolaan Daerah Aliran Sungai*. Yogyakarta: Gadjah Mada University Press
- Pannekoek, A. J. (1949). *Garis Besar Geomorfologi Pulau Jawa*. Diterjemahkan Budi Busri Jakarta : tanpa penerbit
- Badan Geologi Kementerian ESDM. (2013). Mata Air Tawar di Tengah Air Asin. *GEOMAGZ Majalah Geologi Populer*, 3(2), 1-96. Diakses melalui <http://doi.org/ISSN:2088-7>
- Banerjee, K., Senthilkumar, B., Purvaja, R., & Ramesh, R. (2011). Sedimentation and Trace Metal Distribution in Selected Locations of Sundarbans Mangroves and Hooghly Estuary, Northeast Coast of India. *Environ Geochem and Health*, 32, 27-42. Diakses melalui <http://dx.doi.org/10.1007/s10653-011-9388-0>
- Badan Meteorologi Klimatologi dan Geofisika. (2019). *Data Online Pusat Database-BMKG*. Diakses melalui [http://dataonline.bmkg.go.id/data\\_iklim](http://dataonline.bmkg.go.id/data_iklim)
- Badan Standardisasi Nasional Badan Standardisasi Nasional Indonesia (BSNI). (2015). *Tata Cara Pengukuran Debit Aliran Sungai dan Saluran Terbuka Menggunakan Alat Ukur Arus dan Pelampung*. SNI 8066:2015
- Badan Standardisasi Nasional Indonesia (BSNI). (2011). *Rancangan Standar Nasional Indonesia 3 : Survei dan Pemetaan Mangrove*. Hasil Rapat Konsensus 28 Februari 2011
- Badan Standardisasi Nasional Indonesia (BSNI). (2012). *Standar Nasional Indonesia: Perencanaan Sistem Penyediaan Air Minum*. SNI 7831:2012 ICS 91.140.60

- Bartram, J. & Ballance, R. (1997). *Water Quality Monitoring*. London: E&FN SPON
- Boonsong, K., Patanaponpaiboon, P., & Piyatiratitivorakul, S. (2003). Potential use of mangrove plantation as constructed wetland for municipal wastewater treatment. *Water Science & Technology*, 48(5), 257-66. Diakses melalui <http://doi.org/10.2166/wst.2003.033>
- Chaney, R. L., Li, L., Brown, S. & Green, C. E. (1995). Potential Use of Metal Hyperaccumulators. *Mining Environ Manag*, 3, 9-11. Diakses melalui [https://www.researchgate.net/publication/284877284\\_Potential\\_use\\_of\\_metal\\_hyperaccumulators](https://www.researchgate.net/publication/284877284_Potential_use_of_metal_hyperaccumulators)
- Chatterjee, A., Dutta, C., Sen, S., Ghosh, K., Biswas, N., Ganguly, D., & Jana, T. K. (2006). Formation, Transformation, and Removal of Aerosol Over a Tropical Mangrove Forest. *Jurnal of Geophysical Research Atmospheres*, 111(24), 1-10. Diakses melalui <http://doi.org/10.1029/2006JD007144>
- Comeaux, R. S., Allison, M. A., & Bianchi, T. S. (2012). Mangrove Expansion in The Gulf of Mexico with Climate Change: Implications for Wetland Health and Resistance to Rising Sea Levels. *Estuarine, Coastal and Shelf Science*, 96(1), 81-95. Diakses melalui <http://doi.org/10.1016/j.ecss.2011.10.003>
- Davidson, K., Gowen, R. J., Harrison, P. J., Fleming, L. E., Hoagland, P., & Moschonas. (2014). Anthropogenic Nutrients and Harmful Algae in Coastal Waters. *Journal of Environmental Management*, 146, 206-216. Diakses melalui <http://doi.org/10.1016/j.jenvman.2014.07.002>
- Davis, S. E., Daniel L. C., John, W. D., David, T. R., & Fred, H. S. (2002). Wetland-Water Column Exchanges of Carbon, Nitrogen and Phosphorus in A Southern Everglades Dwarf Mangrove. *Esfuaries*, 24(4), 610-622. Diakses melalui <http://doi.org/10.2307/1353261>
- Dojlido, J. R., & Best, G. A. (1993). *Chemistry of Water and Water Pollution*. United Kingdom: Ellis Horwood Limited
- Departemen Kehutanan. (1997). *Strategi Nasional Pengelolaan Mangrove di Indonesia*. Jakarta: Departemen Kehutanan
- Dinas Kependudukan dan Pencatatan Sipil Kabupaten Bantul. (2018). *Data Kependudukan per Kecamatan (DAK2) Dinas Kependudukan dan Pencatatan Sipil Kabupaten Bantul Tahun 2018 Semester 2 Desa Jangkaran*. Diakses melalui <https://data.dukcapil.kulonprogokab.go.id/>
- Djohan, T. S. (2000). Prospek Pengembangan Mangrove di Pantai Selatan Yogyakarta. *Rehabilitasi Hutan Mangrove Melalui Pemberdayaan Masyarakat Dalam Rangka Otonomi Daerah Yogyakarta: Pusat Pengembangan Rehabilitasi Mangrove INSTIPER*. Yogyakarta: INSTIPER

- Eddy. (2008). Karakteristik Limbah Cair. *Jurnal Ilmiah Teknik Lingkungan*, 2(2), 20. Diakses melalui <https://www.neliti.com/id/journals/jurnal-teknik-lingkungan>
- Effendi, H. (2003). *Telaah Kualitas Air Bagi Pengelolaan Sumber Daya dan Lingkungan Perairan*. Yogyakarta: Kanisius
- Fahrur, M., & Undu, M. C. (2015). Karakteristik Air Buangan Limbah Budidaya Udang Vaname Superintensif. *Prosiding*, 2002, 1015-1026. Diakses melalui <http://ejournal-balitbang.kkp.go.id/index.php/fita/article/view/1928>
- Fancy, Nina. (2004). The Potential of Mangroves in The Treatment of Shrimp Aquaculture Effluent on the Eastern Coast of Thailand. *Thesis*. Departement of Geography University of Victoria
- Food and Agricultural Organization of the United Nations (FAO). (1987). *The State of Food and Agriculture: World and Regional Reviews Changing Priorities for Agricultural Science and Technology in Developing Countries*. Rome, Italy: FAO
- Food and Agricultural Organization of the United Nations (FAO). (2012). *The State of World Fisheries and Aquaculture 2012*. Rome, Italy: FAO
- Food and Agricultural Organization of the United Nations (FAO). (2006). *Global Forest Resources Assesment 2005: Progress Toward Sustainable Forest Management*. Rome, Italy: FAO
- Gautier, D., Amador, J., & Newmark, F. (2001). The Use of Mangrove Wetland As a Biofilter to Treat Shrimp Pond Effluents: Preliminary Results of An Experiment on The Caribbean Coast of Colombia. *Aquaculture Research*, (32), 787-79. Diakses melalui <http://doi.org/10.1046/j.1365-2109.2001.00614.x>
- Giesen, W., Zieren, M., Wulffraat, S., Scholten, L. (2006). *Mangrove Guidebook for Southeast Asia RAP Publication*. Bangkok: Dharmasarn Co., Ltd.
- Gopal, B. (1999). Natural and Constructed Wetlands for Wastewater Treatment: Potentials and Problems. *Water Science and Technology*, 40(3), 27-35. Diakses melalui <http://doi.org/10.3390/w2030530>
- Haryadi, S. (2003). Pencemaran Daerah Aliran Sungai (DAS) dalam Manajemen Bioregional Jabodetabek: Tantangan dan Harapan. In *Workshop Pengembangan Konsep Bioregional Sebagai Dasar Pengelolaan Kawasan Secara Berkelanjutan* (pp. 165–172). Bogor: Pusat Penelitian Biologi LIPI
- Hidayati, Buril. (2005). Fitoremediasi dan Potensi Tumbuhan Hiperakumulator. *Ulasan*, 12(1), 35-40. ISSN 0854-8587

- International Union For Conservation of Nature (IUCN). (2007). *Marine and Coastal*. IUCN
- Irianto, I. K. (2015). Hasil Proses Teknologi Pengolahan Limbah Cair Secara Biologi Terhadap Kualitas dan Produksi Bahan Baku Pupuk. *Wicaksana*, 24(2). Diakses melalui <http://doi.org/doi.org/ISSN 0856-4204>
- Kariada, T. M. N., & Irsadi, A. (2014). Peranan Mangrove Sebagai Pencemaran Air Wilayah Tambak Bandeng Tapak, Semarang (Role of Mangrove as Water Pollution Biofilter in Milkfish Pond, Tapak, Semarang). *Jurnal Manusia Dan Lingkungan*, 2(2), 188-194. Diakses melalui <https://jurnal.ugm.ac.id/JML/article/view/18543>
- Kartawinata, K., S. Adisoemarto, S. Soemodihardjo, & I.G.K. Tantra. (1978). Status Pengetahuan Hutan Bakau Di Indonesia. *Prosiding Seminar Ekosistem Hutan Mangrove* di Jakarta: MAB Indonesia dan Lembaga Oseanologi Nasional
- Kartikasari, V., Tandjung, S. D., & Sunarto, S. (2002). Akumulasi Logam Berat Cr dan Pb pada Tumbuhan Mangrove Avicennia Marina di Muara Sungai Babon Perbatasan Kota Semarang dan Kabupaten Demak Jawa Tengah. *Jurnal Manusia Dan Lingkungan*, 9(3), 137-147. Diakses melalui <http://doi.org/10.22146/JML.18596>
- Keputusan Menteri Perindustrian dan Perdagangan Republik Indonesia Nomor: 231/MPP/Kep/7/1997 Tentang Prosedur Impor Limbah
- Kharisya. (2010). *Metode Penelitian Air Sungai*. Depok: Universitas Indonesia
- Khiatuddin, Maulida. (2003). *Melestarikan Sumber Daya Air dengan Teknologi Rawa Buatan*. Yogyakarta: Gadjah Mada University Press
- KLHK. (2017). Miliki 23% Ekosistem Mangrove Dunia, Indonesia Tuan Rumah Konferensi Internasional Mangrove 2017. *Siaran Pers*. Diakses melalui [http://ppid.menlhk.go.id/siaran\\_pers/browse/561](http://ppid.menlhk.go.id/siaran_pers/browse/561)
- Kr'bek, Mihaljevič, M., Sracek, O., Knésl, I., Ettler, V., & Nyambe, I. (2011). The Extent of Arsenic and of Metal Uptake by Aboveground Tissues of *Pteris vittata* and *Cyperus involucratus* Growing in Copper- and Cobalt Rich Tailings of the Zambian Copperbelt. *Arch Environ Contam Toxicol*, 61, 228-242. Diakses melalui <https://www.ncbi.nlm.nih.gov/pubmed/20949352>

- Kumar, N. J. I., Kumar, R., Sajish, P. R., & Basil, G. (2011). Bioaccumulation of Lead, Zinc and Cadmium in *Avicennia marina* Mangrove Ecosystem near Narmada Estuary in Vamleshwar, West Coast of Gujarat, India. *J. Int. Environmental Application & Science*, 6(1), 8-13. Diakses melalui [https://www.researchgate.net/publication/271780286\\_Bioaccumulation\\_of\\_Lead\\_Zinc\\_and\\_Cadmium\\_I\\_Avicennia\\_marina\\_Mangrove\\_Ecosystem\\_near\\_Narmada\\_Estuary\\_in\\_Vamlshwar\\_West\\_Coast\\_of\\_Gujarat\\_India](https://www.researchgate.net/publication/271780286_Bioaccumulation_of_Lead_Zinc_and_Cadmium_I_Avicennia_marina_Mangrove_Ecosystem_near_Narmada_Estuary_in_Vamlshwar_West_Coast_of_Gujarat_India)
- Kusumastuti, Widayati. (2009). Evaluasi Lahan Basah Bervegetasi Mangrove dalam Mengurangi Pencemaran Lingkungan (Studi Kasus di Desa Kepentingan Kabupaten Sidoarjo). *Thesis*. Universitas Diponegoro, Semarang
- Laboratorium Riset dan Operasi Teknik Kimia. (2014). Modul Praktikum Operasi Teknik Kimia: Bilangan Reynold. UPN "Veteran" Yogyakarta
- Latt, U.W. (2002). Shrimp pond waste management. *Aquaculture Asia*, 7(3). Diakses melalui <https://www.semanticscholar.org/paper/Shrimp-pond-waste-management-Latt/4dd230c31aba3f5f44d0db232b508942c3fe2fe9>
- Meutia, A. A., A. Suryono, & Nomosatrio. (2004). Profil Nutrien Danau Singkarak. *Prosiding Simposium Interaksi Daratan dan Lautan, Kedepuitan Ilmu Pengetahuan Kebumihan, Lembaga Ilmu Pengetahuan Indonesia*, Jakarta, Indonesia, hal 389-400
- Nobi, E. P. (2010). Geochemical and Geo-statistical Assessment of Heavy Metal Concentration in The Sediments of Different Coastal Ecosystems of Andaman Islands, India. *Estuarine, Coastal and Shelf Science*, 87(2), 253-264. Diakses melalui <http://doi.org/10.1016/j.ecss.2009.12.019>
- Notoatmodjo, S. (2010). *Metodologi Penelitian Kesehatan*. Jakarta: Rineka
- Pelegri, S., Rivera-monroy, V., & Twilley, R. (1997). A Comparison of Nitrogen Fixation (Acetylene Reduction) Among Three Species of Mangrove Litter, Sediments, and Pneumatophores in South Florida, USA. *Hidrobiologia*, 356, 73-79. Diakses melalui <http://doi.org/10.1023/A:1003124316042>
- Peraturan Pemerintah Nomor 85 Tahun 1999 Tentang Perubahan Atas Peraturan Pemerintah Nomor 18 Tahun 1999 Tentang Pengelolaan Limbah Bahan Berbahaya dan Beracun
- Peraturan Gubernur DIY Nomor 82 Tahun 2001 Tentang Pengelolaan Kualitas Air dan Pengendalian Pencemaran Air
- Peraturan Daerah (Perda) Daerah Istimewa Yogyakarta Nomor 16 Tahun 2011 Tentang Rencana Zonasi Wilayah Pesisir dan Pulau-Pulau Kecil Provinsi Daerah Istimewa Yogyakarta Tahun 2011-2030

Peraturan Daerah (Perda) Daerah Istimewa Yogyakarta Nomor 1 tahun 2012 Tentang Rencana Induk Pembangunan Kepariwisata Provinsi Daerah Istimewa Yogyakarta

Pujiraharjo, A., Arief, R., Indradi, W., Agus, S., Yulvi, Z., Pudyo, M. (2014). Pengaruh Perubahan Iklim Terhadap Ketersediaan Air Baku Di Kabupaten Mojokerto. *Jurnal Rekayasa Sipil*, 8(1), 55-66. Diakses melalui <https://rekayasasipil.ub.ac.id/index.php/rs/article/view/267>

Raharjo, Amin Budi. 2003. Pengaruh Kualitas Air Pada Tambak Tidak Bermangrove dan Tambak Bermangrove Terhadap Hasil Udang Alam di Desa Grinting Kab. Brebes. *Thesis*. Magister Management Sumber Daya Perairan. Universitas Diponegoro

Rathore, S. S., Chandravanshi, P., Chandravanshi, A., & Jaiswal, K. (2016). Eutrophication: Impacts of Excess Nutrient Inputs on Aquatic Ecosystem. *IOSR Journal of Agriculture and Veterinary Science*, 9(10), 89-96. Diakses melalui <https://doi.org/10.9790/2380-0910018996>

Ravikumar, S. (2004). Nitrogen-Fixing Azotobacters from Mangrove Habitat and Their Utility As Marine Biofertilizers. *J. Exp. Mar. Biol. Ecol*, 312, 5-17. Diakses melalui <https://doi.org/0.1016/j.jembe.2004.05.020>

Reef, R., & Lovelock, C. E. (2015). Regulation of Water Balance in Mangroves. *Annals of Botany*, 115(3), 385-395. Diakses melalui <https://doi.org/10.1093/aob/mcu174>

Robertson, A. I. & Phillips, M. J. (1995). Mangroves as Filters of Shrimp Pond Effluent: Predictions and Biogeochemical Research Needs. *Hydrobiologia*, 295, 311-321. Diakses melalui <https://doi.org/10.1007/BF00029138>

Rositasari, R., & Rahayu, S. K. (1994). Sifat-Sifat Estuari dan Pengelolaannya. *Oseana*, 19(3), 21-31. Diakses melalui [oseanografi.lipi.go.id/dokumen/oseana\\_xix\(3\)21-31](http://oseanografi.lipi.go.id/dokumen/oseana_xix(3)21-31)

Schulze, E. D. (2000). *The Carbon and Nitrogen Cycle of Forest Ecosystems* Ecological Studies, 142(1), 3-13. Diakses melalui [https://doi.org/10.1007/978-3-642-57219-7\\_1](https://doi.org/10.1007/978-3-642-57219-7_1)

Soemarto. (1987). Hidrologi Terapan. In *Prosiding*. Surabaya: Usaha Nasional

Soemodihardjo & Soeroyo. (1994). The Impact of Marine Pollution on Mangrove Community. *Proceedings of the Seminar on Marine Pollution Monitoring Center for Oceanological Research and Development*, 175

- Shpigel, M., Ben-Ezra, D., Shauli, L., Sagi, M., Ventura, Y., Samocha, T. & Lee, J.J. (2013). Constructed Wetland with *Salicornia* as a Biofilter for Mariculture Effluents. *Aquaculture* 412, 412-413. Diakses melalui <https://doi.org/10.1016/j.aquaculture.2013.06.038>
- Sudarmadji & Cahyadi, A. (2017). Pemanfaatan Sumberdaya Airtanah untuk Kegiatan Pertanian Lahan Kering di Wilayah Pesisir Kabupaten Kulonprogo. *INA-Rxiv Papers*. Diakses melalui <https://doi.org/10.31227/osf.io/6t7fz>
- Suripin. (2004). *Sistem Drainase Perkotaan yang Berkelanjutan*. Yogyakarta: Penerbit Andi
- Sutari, C. A. T. (2015). Kajian Morfometri Sungai Terhadap Proses Pulih Diri (*Self Purification*) di Penggal Sungai Bedog, Bantul, Daerah Istimewa Yogyakarta. *Skripsi*. Diakses melalui <http://etd.repository.ugm.ac.id>
- Sutikno, Bronto. (2007) . Genesis endapan aluvium Dataran Purworejo Jawa Tengah: Implikasinya terhadap sumber daya geologi. *Bahan paparan teknis di hadapan Calon Investor 27 Juni 2007 di Pendopo Kabupaten Purworejo*, 42. Diakses melalui <https://doi.org/10.17014/ijog.vol2no4.20072>
- Tjasyono, Bayong. (2004). *Klimatologi*. Bandung: Penerbit ITB
- Tomascik, T. Mah, A. J. Nontj, A., & Moosa, M. K. (1997). The Ecology of the Indonesian Seas. Part Two. *The Ecology of Indonesian Series Vol. VIII*. Periplus Editions (HK) Ltd.
- Triatmodjo, B. (2008). *Hidrologi Terapan*. Yogyakarta: Beta Offset
- Widjajanti, E., Haryanto, L. V, & Marwati, S. (2009). Rancang Bangun Instalasi Pengolah Limbah Cair Industri Electroplating. *Laporan Pengabdian Masyarakat*, hal 1-8
- Wolanski, E. (2004). Ecohydrology As A New Tool for Sustainable Management of Estuaries and Coastal Waters. *Wetlands Ecology and Management*, 12, 235-276. Diakses melalui <https://doi.org/10.1007/s11273-005-4752-4>
- Wong, Y. S., Tam, N. F.Y. & Lan, C.Y. (1997). Mangrove Wetlands as Wastewater Treatment Facility: A Field Frial. *Hydrobiologia*, 352(1-3), 49-59. Diakses melalui <https://doi.org/10.1023/A:1003040920173>
- World Bank. (2015). The World Bank in Indonesia: water sanitation. *World Bank Report*. Diakses melalui <http://documents.worldbank.org/curated/en/566161467998461553/The-World-Bank-in-Indonesia-water-sanitation>

- Ye, Y., Nora, F. Y., & Wong, Y. S. (2001). Livestock Wastewater Treatment by A Mangrove Pot-Cultivation System and The Effect of Salinity on The Nutrient Removal Efficiency. *Marine Pollution Bulletin*, 42(6), 513-521. Diakses melalui <https://www.sciencedirect.com/science/article/pii/S0025>
- Zalewski, M. (2002). Ecohydrology The Use of Ecological and Hydrological Processes for Sustainable Management of Water Resources. *Hydrological Sciences Journal-Journal Des Sciences Hydrologiques*, 47, 823-832. Diakses melalui <https://doi.org/10.1080/026266602094929>