

## DAFTAR PUSTAKA

- Alloway, B.J. 1995. *Heavy Metals in Soils. Second Edition.* Glasgow : Blackie Academic & Professional An Imprint of Chapman & Hall.
- Arsyad, N. 2000. *Kamus Kimia Arti dan Terjemahan Istilah.* Jakarta : PT. Gramedia Pustaka Utama
- Aryani, D., (2015). *Pemanfaatan Rumput Vetiver (Chrysopogon zizanioides, L.) Dalam Proses Remediasi Logam Berat Kadmium (Cd) dan Tembaga (Cu).* Tesis. Institut Pertanian Bogor
- Ayuwanjani, R. W. 2008. *Budidaya Lele Dumbo sebagai Alternatif Pengolahan Limbah Cair Rumah Tangga.* SMK Negeri 1 Selong, Lombok Timur
- Badejo.A, Omole.D, Ndambuki.J. 2018. *Municipal Wastewater Management using Vetiveria Zizanioides Planted in Vertical Flow Constructed Wetland.* Applied Water Science (2018) 8:110
- Barlin. 1995. *Analisa dan Evaluasi Hukum Tentang Pencemaran Akibat Air Limbah Rumah Sakit.* Jakarta : Badan Pemberian Hukum Nasional
- Bilotta, G.S., Brazier, R.E. 2008. *Understanding The Influence of Suspended Solids on Water Quality and Aquatic Biota.* Water Res. 42 (3), 2849–2861
- Chaney, R.L., et al. 1995. *Potential use of metal hyperaccumulators.* Mining Environ Manag 3:9-11
- Cunningham, C.J. dan Philip, J.C. 2000. *Comparison of Bioaugmentation and Biostimulation in Ex Situ Treatment of Diesel Contaminated Soil.* Land Contamination & Reclamation Journal, 8 (4)
- Darajeh, N., Idris, A., Truong, P., Aziz, A.A., Bakar, R.A., and Man, H.C. 2014. *Phytoremediation Potential of Vetiver System Technology for Improving The Quality of Palm Oil Mill Effluent.* Adv. Mater. Sc. Eng. 4

- Donlon, D.L. dan Bauder, J.W. 2006. *A General Essay on Bioremediation of Contaminated Soil*.
- Effendi, Hefni. 2017. *Crude Oil Spilled Water Treatment with *Vetiveria zizanioides* in Floating Wetland*. Bogor: Center for Environmental Research, IPB
- Erman, M. 2006. *Pemanfaatan Mikroba dalam Bioremediasi suatu Teknologi Alternatif untuk Pelestarian Lingkungan*. USU Respository
- Erny, Y., Dwi, N.S., Rasti, S. 2003. *Koleksi, Karakterisasi dan Preservasi Mikroba Remediasi*. Prosiding Seminar Hasil Penelitian Rintisan dan Bioteknologi Tanaman
- Fakhrudin, M., Yoga P Gunawan., Ridwansyah Iwan, Rustini Hadid Agita. 2008. *Pengembangan Model Pengelolaan Daerah Aliran Sungai Barong, KALTIM*. Prosoding Seminar Nasional Limnologi IV
- Fardiaz, Srikandi. 1992. *Mikrobiologi Pangan I*. Jakarta: PT. Gramedia Pustaka Utama
- Greg, W. R, Young, MBrown. 1998. *Constructed Wetlands Manual, vol 1*. New South Wales, Australia : Department of Land and Water Conservation
- Hambali. 2003. *Analisis Resiko Lingkungan (Studi Kasus Limbah Pabrik CPO PT Kresna Duta Agroindo Kabupaten Merangin, Jambi)*. Program Pascasarjana, Program Studi Magister Teknik Lingkungan ITS, Surabaya
- Hardiani, H., Kardiansyah, T., Sugesty, S. 2011. *Jurnal Bioremediasi Logam Timbal (Pb) dalam Tanah Terkontaminasi Limbah Sludge Industri Kertas Proses Deinking*
- Hughes, M. N. dan Poole, R. K.. 1989. *Metals and Microorganism*. Chapman and Hall. London. p: 264-268
- Kadlec, R.H. 2003. *Effects of Pollutant Speciation in Treatment Wetland Design. Ecological Engineering*. Vol. 20. Iss. 1. p. 1–16
- Khoiroh, Z. 2014. *Bioremediasi Logam Berat Pb dalam Lumpur Lapindo menggunakan Campuran Bakteri (*Pseudomonas pseudomallei* dan *Pseudomonas aeruginosa*)*. Jurnal Biologi UIN Malang, 1(50):1-10

- Keizer-Vlek, H.E., Verdonshot, P.F.M., Dekkers, D. 2014. The contribution of plant uptake to nutrient reduksi by floating treatment wetlands. *Ecological Engineering*. 73. 684-690
- Linder, M.C. 1992. *Biokimia Nutrisi dan Metabolisme*. Jakarta: Universitas Indonesia
- Manara, A. 2012. *Plants responses in heavy metal toxicity*, *Journal SpringerBriefs in Biometals*: 27- 53
- Morel, A., Diener, S., 2006. *Greywater Management in Low and MiddleIncome Countries, Review of different treatment systems for households or neighbourhoods*. Dübendorf, Switzerland : Swiss Federal Institute of Aquatic Science and Technology
- Notodarmojo, S. 2005. *Pencemaran Tanah dan Air*. Bandung : Penerbit ITB
- Nurtana, Rizqon. 2018. *Analisis Reduksi Logam pada Air Limbah Balai Yasa Yogyakarta PT. Kereta Api Indonesia menggunakan Tanaman Vetiver (Vetiveria Zizanioides) dan Bakteri dengan Metode Floating Treatment Wetland*. Yogyakarta
- Nurullah, L. 2018. *Analisis Removal Logam Berat dengan Metode Floating Wetland menggunakan Tanaman Kolonjono (Brachiaria mutica) dan Bakteri pada Air Limbah Balai Yasa Yogyakarta*. PT. KAI : Yogyakarta
- Palar, H. 1994. *Pencemaran dan Toksikologi Logam Berat*. Jakarta: Rineka Cipta
- Palar, H. 2004. *Pencemaran dan Toksikologi Logam Berat*. Jakarta : Rineka Cipta
- Pang J., Chan G.S.Y., Zhan J., Liang J., Wong M.H. 2003. Physiological aspect of vetiver grass for rehabilitation in abandoned metalliferous mine waste. *Chemosphere* 52:1559-1520
- Pagoray H. 2009. *Biostimulasi dan Bioaugmentasi untuk Bioremediasi Limbah Hidrokarbon Secara Analisis Keberlanjutan*. Disertasi. Bogor : Institut Pertanian Bogor

- Peraturan Gubernur Provinsi Daerah Istimewa Yogyakarta No. 7 Tahun 2010 tentang Baku Mutu Limbah Cair Bagi Kegiatan Industri, Pelayanan Kesehatan, dan Jasa Pariwisata (Untuk Kegiatan Bengkel)
- Peraturan Pemerintah Republik Indonesia Nomor 101 Tahun 2014 tentang Pengelolaan Limbah Bahan Berbahaya dan Beracun
- Peraturan Menteri Lingkungan Hidup Nomor 3 Tahun 2010 tentang Baku Mutu Air Limbah bagi Kawasan Industri
- Priyanto, B; Prayitno, J. 2007. *Fitoremediasi sebagai Sebuah Teknologi Pemulihan Pencemaran Khusus Logam Berat. Jurnal Informasi Fitoremediasi*
- Raskin, I., Smith, R. D., & Salt, D. E. 1997. *Phytoremediation of Metals: Using Plants to Remove Pollutants from the Environment*. *Current Opinion in Biotechnology*, 8, 221–226
- Rehman, Khadeeja et al. 2018. *Inoculation With Bacteria in Floating Treatment Wetland Positively Modulates The Phytoremediation of Oil Field Wastewater*. *Journal of Hazardous Materials*: 349, 242-251
- Roongtanakiat, N., and Chairroj, P. 2001. *Uptake potential of some heavy metals by vetiver grass. Kasetsart Journal - Natural Science*. 35, 46–50
- Roongtanakiat, N., Tangruangkiat, S., & Meesat, R. 2007. *Utilization of Vetiver Grass (Vetiveria zizanioides) for Reduksi of Heavy Metals from Industrial Wastewaters*. *Science Asia*, 33, 397–403
- Sarjono, A. 2009. *Analisis Kandungan Logam Berat Cd, Pb dan Hg pada Air dan Sedimen di Perairan Kamal Muara*. Skripsi. Institut Pertanian Bogor
- Said, N Idaman. 2002. *Teknologi Pengolahan Limbah Air Limbah*. Jakarta : BBPT
- Silaban, Nia S., Nelvia, Idwar. 2013. *Pertumbuhan Tanaman Padi Fase Vegetatif dan Akumulasi Logam Berat Pada Jaringan Tanaman Padi Varietas Payo Besar dan Inpari 12 di Lahan Gambut yang diberi Amelioran Dregs*. Pekanbaru : Jurusan Agroteknologi Fakultas Pertanian Universitas Riau
- Singh.V, Thakur.L, Mondal.P. 2014. *Reduksi of Lead and Chromium from Synthetic Wastewater Using Vetiveria zizanioides*. *Clean – Soil, Air, Water* 2014, 42 (9999), 1–6

- Singh, V., Thakur, L., & Mondal, P. 2015. *Removal of Lead and Chromium from Synthetic Wastewater Using Vetiveria Zizanioides*. *Clean-Soil, Air, Water*, 43(4), 538–543
- Soemirat, Juli. 2004. *Kesehatan Lingkungan*. Yogyakarta : Gadjah Mada University Press
- Stewart, F.M., Mulholland, T., Cunningham, A.B., Kania, B.G., and Osterlund, M.T. 2008. *Floating Islands as an Alternative to Constructed Wetlands for Treatment of Excess Nutrients from Agricultural and Municipal Wastes – Results of Laboratory-Scale Tests*. *Land Contamination and Reclamation*. 16. 25-33
- Sudarmaji, dkk. 2006. *Toksikologi Logam Berat B3 dan Dampaknya Terhadap Kesehatan*, (Online), (<http://journal.unair.ac.id/filerPDF/KESLING-2-2-03.pdf>, diakses 17 Februari 2019)
- Sugiharto. 1987. *Dasar-dasar Pengelolaan Air Limbah*. Jakarta : Universitas Indonesia
- Suin, M. Nurdin. 1994. *Dampak Pencemaran Pada Ekosistem Pengairan*. Padang : Proseding Penataran Pencemaran Dampak Lingkungan dan Penanggulangannya. Pemda Kodya TK II
- Supradata. 2005. *Pengolahan Limbah Domestik menggunakan Tanaman Hias Cyperus alternifolius dalam Ssstem Lahan Basah Aliran Permukaan (SSF Wetland)*. Tesis Magister Lingkungan
- Sutrisno, T. 2006. *Teknologi Penyediaan Air Bersih*. Jakarta: Rineka Cipta
- Szöllösi, R. Kálmá, E. Medvegy1, A. Petô1, A. Varga, S.I. 2011. *Studies on oxidative stress caused by Cu and Zn excess in germinating seeds of Indian mustard (Brassica juncea L.)*. *Acta Biol Szeg*. 55:175-178
- Tanner, C.C., and Headley, T.R. 2011. *Components of Floating Emergent Macrophyte Treatment Wetlands Influencing Reduksi of Stormwater Pollutants*. *Ecological Engineering*. 37. 474-486

- Tlustos, P., Pavlikova, D., Balik, J., Szakova, J., Hanc, A., Balikova, M. 1998. *The Accumulation of Arsenic and Cadmium in The Plants Their Distribution*. Rotilina Vyroba 44, 465-469
- Truong, P. 2000. *Vetiver Grass Technology for Environmental Protection*. In: *Proc, second International Vetiver Conferences: Vetiver and the Environment*. Cha Am. Thailand
- Truong P. Van T.T., Pinnars E., Booth D. 2011. *Penerapan Sistem Vetiver: Buku Panduan Teknis edisi Bahasa Indonesia*. The Indonesian Vetiver Network
- UN-HABITAT, 2008. *Constructed Wetlands Manual*. UN-HABITAT Water for Asian Cities Programme Nepal, Kathmandu
- Van de Moortel, A.M.K., De Pauw, N. and Tack, F.M.G. 2010. *Influence of Water Depth, Coverage and Aeration on the Treatment Efficiency of Experimental Constructed Floating Wetlands*. Society of Wetland Scientists European Chapter, Tramore, Ireland, pp. 78-79
- Van de Moortel, A.M.K., Meers, E., De Pauw, N. and Tack, F.M.G. 2010. *Effects of Vegetation, Season, and Temperature on the Reduksi of Pollutants in Experimental Floating Treatment Wetlands*. Water Air and Soil Pollution, In press, doi: 10.107/s11270-010-0342-z
- Vogel. 1990. *Analisis Anorganik Kuantitatif Makro dan Semimikro*. Jakarta: PT Kalma Media Pustaka
- Vidali, M. 2001. *Bioremediation an overview*. Pure Appl. Chem., Vol. 73, pp. 1163-1172
- Vymazal, J. 2010. *Constructed Wetlands for Wastewater Treatment in Journal Water* 2010, 2, 530-549, ISSN 2073-4441
- Widyastuti, N. W. 2005. *Pengolahan Air Limbah Domestik dengan Pemanfaatn Tanaman Cyprus Papyprus pada Sistem Subsurface Constructed Wetland*. Surabaya : Jurusan Teknik Lingkungan ITS
- Yadav, B.K. Panwar, J. Akhtar, M.S. 2015. *Rhizospheric Plant-Microbe Interactions: Key Factors to Soil Fertility and Plant Nutrition*. book Plant Microbes Symbiosis: Applied Facets (pp.127-145)

- Yeboah, S.A., Allotey, A.N.M., and Biney, E. 2015. *Purification of Industrial Wastewater with Vetiver Grasses (Vetiveria zizanioides): The Case of Food and Beverages Wastewater in Ghana*. *Asian Journal of Basic and Applied Sciences*. 2. No. 2. 4-12
- Yulisa et al. 2016. *Effectivity of Vetiveria zizanioides and Cyperus papyrus in Reducing Iron (Fe) Concentration in Wastewater Processed in a Constructed Wetland System*. *Int'l Journal of Advances in Agricultural & Environmental Engg. (IJAAEE)* Vol. 3, Issue 1 (2016) ISSN 2349-1523 EISSN 2349-1531
- Zurita. 2008. *Treatment of Domestic and Production of Commercial Flowers in Vertical and Horizontal Subsurface-Flow System Constructed Wetland*. Mexico : Centro auniversity de la Cienaga