DAFTAR PUSTAKA

American Geological Institute Staff. (1976). **Dictionary of Geological**. Knopf Doubleday Publishing Grup.

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. 21 hal.

Bashyal, D., Homagai, P.L., Ghimire, K.N. (2010). **Removal of Lead from Aqueous Medium Using Xanthate Modified Apple Jouce Resisude**. *Jour of Nepal Chemical Society*. **Vol 26**: 53-6.

Bilotta, G.S., R.E. Brazier. (2008). **Understanding the influence of suspended solids on water quality and aquatic biota**. *Water Research*. **42**. 2849-2861.

Brass, G.M., Strauss, W. (1981). **Air Pollution Control**. New York:John Willey & Sons.

Cotton dan Wilkinson. (1989), **Kimia Anorganik Dasar.** Cetakan Pertama. Jakarta: UI-Press.

Darajch, N., Idris, A., Truong, P., Aziz, A.A., Bakar, R.A., and Man, H.C. **Phytoremediation potential of vetiver system technology for improving the quality of palm oil mill effluent**. *Adv. Mater. Sc. Eng.* **4**.

Darmono. (1995). **Logam dalam Sistem Biologi Makhluk Hidup**. UI-Press. Jakarta.

Effendi, H. (2003). **Telaah Kualitas Air Bagi Pengelolaan Sumber Daya dan Lingkungan**. Yogyakarta: Kanisius.

Effendi, H. Utomo, B.A. Darmawangsa, G.M. Karo-Karo, R.E. (2015), **Fitoremediasi Limbah Budidaya Ikan Lele *(Clarias sp.)* dengan Kangkung *(Ipomoea aquatica)* dan Pakcoy *(Brassica rapa chinensis)* Dalam Sistem Resirkulasi.** *Ecolab.* **Vol. 9**. 47-104.

Fauziah, A. (2010). **Efektivitas Saringan Pasir Cepat Dalam Menurunkan Kadar Mangan (Mn) Pada Air Sumur Dengan Penambahan Kalium Permanganat (KMnO4) 1%**. Skripsi FKM USU: Medan.

Febrina, L., dan Ayuna, A. (2015). **Studi Penurunan Kadar Besi (Fe) dan Mangan (Mn) Dalam Air Tanah Menggunakan Saringan Keramik**. *Jurnal Teknologi.* **7**. 36-44.

G. Nadaska, J. Lesny, I. Michalik. (2012). **Environmental aspects of manganese chemistry**. *Hungarian Electronic Journal of Science.* **100702-A**. 1–16.

Gaur, A. and Adholeya, A. (2004). **Prospects of Arbuscular Mycorrhizal Fungi in Phytoremediation of Heavy Metal Contaminated Soils**. *Current Science*, **86**, 528-523.

Greg, W., R.Young and M.Brown. (1998). **Constructed Wetlands Manual**, *vol 1*. Department of Land and Water Conservation New South Wales, Australia.

Gupta, A. K, Sinha, S. (2008). **Decontamination and/or revegetation of fly ash dykes through naturally growing plants**. *Journal of Hazardous Materials* **153**:1078-1084.

Habashy MM, MMS. Hassan. (2010**). Effects of temperature and salinity on growth and reproduction of the freshwater prawn, *Macrobrachium rosenbergii* (Crustacea-Decapoda) in Egypt**. *International Journal of environmental Science and Engineering (IJESE)*. **1**: 83-90.

Janngam, J., Anurakpongsatorn, P., Satapanajaru, T. and Techpinyawat, S. (2010). **Phytoremediation: Vetiver Grass in Remediation of Soil Contaminated with Trichloroethylee**. *Science Journal Ubon Ratchathani University.* 52-57.

Keizer-Vlek, H.E., Verdonschot, P.F.M., Dekkers, D. (2014). **The contribution of plant uptake to nutrient removal by floating treatment wetlands**. *Ecological Engineering.* **73**. 684-690.

Kurniasari, H.D. (2008). **Solidifikasi Limbah Alumina dan Sandblasting PT. Pertamina UP IV Cilacap Sebagai Campuran Bahan Pembuat Keramik**. Tugas Akhir. Universitas Islam Indonesia.

Liao, X., Luo, S., Wu, Y., and Wang, Z. (2003). **Studies on the Abilities of Vetiveria zizanioides and Cyperus alternifolius for Pig Farm Wastewater Treatment**.

Lin, Shun Dar. (2007). **Water and Wastewater Calculation Manual**. New York: The McGraw-Hill Companies, Inc.

Manara, A. (2012). **Plants responses in heavy metal toxicity**. *SpringerBriefs in Biometals*: 27- 53.

Merian, E. (1994). **Toxic Metal in the Environment**. Weinhei m: VCH Verlagsgeselichatt mbH.

Murti, R. Setiya dan C. Maria H.P. (2014). **Optimasi Waktu Reaksi Pembentukan Kompleks Indofenol Biru Stabil Pada Uji N-Amonia Air Limbah Industri Penyamakan Kulit Dengan Metode Fenat**. *Majalah Kulit, Karet, dan Plastik.* **Vol.30 No.1***:* 29-34.

Nursanto, J. (2016). **Analisis Kapasitas Fitoremediasi Tanaman Vetiver *(Chrysopogon zizanioides)* Dalam Mereduksi Limbah Cair Organik**

Studi Kasus Kerambak Jaring Apung di Waduk Cirata. Tesis. Institut Pertanian Bogor.

Office of Water Programs California State University Sacramento. (2009). **Ammonia Removal in Wetlands: a Literature Review**. Sacramento, USA.

Palar.H. (1994). **Pencemaran dan Toksikologi Logam Berat**. Jakarta: Rineka Cipta.

Parulian, A., (2009). **Monitoring dan Analisis Kadar Aluminium (Al) dan Besi (Fe) pada Pengolahan Air Minum PDAM Tirtanadi Sunggal**.

PERATURAN PEMERINTAH REPUBLIK INDONESIA. NOMOR 82 TAHUN 2001. *TENTANG. PENGELOLAAN KUALITAS AIR DAN PENGENDALIAN PENCEMARAN AIR.*

Priyanto B, Prayitno J. (2004). **Fitoremediasi sebagai Sebuah Teknologi Pemulihan Pencemaran Khusus Logam Berat**. *Jurnal Informasi Fitoremediasi.*

Rizki, N., Sutrisno, E., & Sumiyati, S. (2015). **Penurunan konsentrasi COD dan TSS pada limbah cair tahu dengan teknologi kolam (pond) - biofilm menggunakan media biofilter jaring ikan dan bioball**. *Jurnal Teknik Lingkungan*, **4(1)**, 1-9.

Roongtanakiat, N., and Chairoj, 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 Removal of Heavy Metals from Industrial Wastewaters**. *ScienceAsia*. **33**. 397-403.

Saeni. (1997). **Penentuan Tingkat Pencemaran Logam Berat dengan Analisis Rambut**. IPB. Bogor

Sarjono, A. (2009). **Analisis Kandungan Logam Berat Cd, Pb dan Hg pada Air dan Sedimen di Perairan Kamal Muara**. Skripsi. Institut Pertanian Bogor.

Sitompul, S. M., Guritno, B. (1995). **Pertumbuhan Tanaman**. Yogyakarta: UGM Press.

Smith, J. (1981). **Air Pollution and Forest Ecosystem**. New York:Springer-Verlag.

Soemirat, J. (2002). **Kesehatan Lingkungan**, Gadjah Mada University Press: Yogyakarta.

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.

Stottmeister, U., Wiessner, A., Kuschk. P., Kappelmeyer, U., Kaestner, M., Bederski, O., Mueller, R. A., and Moormann, H. (2003). **Effects of Plants and Microorganisms in Constructed Wetlands for Wastewater Treatment**. *Biotechnology Advances*. **22**. 93– 117.

Suhendrayatna. (2001). **Bioremoval Logam Berat dengan Menggunakan Mikroorganisme**: suatu kajian kepustakaan.

Sunarya, Y. (2007). **Kimia Umum**. Bandung: Grafisindo.

Supradata. (2005). **Pengolahan Limbah Domestik Menggunakan Tanaman Hias Cyperus alternifolius dalam Ssstem Lahan Basah Aliran Permukaan (SSF Wetland)**. Tesis Magister Lingkungan.

Supriyantini, E., dan Endrawati, H. (2015). **Kandungan Logam Berat Besi (Fe) Pada Air, Sedimen, dan Kerang Hijau (Perna viridis) di Perairan Tanjung Emas Semarang**. *Jurnal Kelautan Tropis.* **Vol. 18(1)**. 38-45.

Supriyatno, Budi. (2000). **Pengelolaan Air Limbah yang Berwawasan Lingkungan Suatu Strategi dan Langkah Penanganannya**. *Jurnal Teknologi Lingkungan, 1*, 17-26.

Surdia, Tata & Saito, Shinroku. (1992). **Pengetahuan Bahan Teknik. (edisi kedua)**. Jakarta: Pradnya Paramita.

Sutrisno, T. (2006). **Teknologi Penyediaan Air Bersih**. Jakarta: Rineka Cipta.

Szôllôsi R, Kálmán E, Medvegy1 A, Petô1 A, Varga SI. (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.

Tangahu, B.V., Abdullah, S.R.S., Basri, H., Idris, M., Anuar, N., Mukhlisin, M. (2011). **A Review on Heavy Metals (As, Pb, and Hg) Uptake by Plants through Phytoremediation.** *International Journal of Chemical Engineering*. **vol. 2011**. 31.

Tanner, C.C., and Headley, T.R. (2011). **Components of floating emergent macrophyte treatment wetlands influencing removal of stormwater pollutants**. *Ecological Engineering. 37*. 474-486.

Truong, P. (1999). **Vetiver Grass Technology for Environmental Protection**. *In: Proc, second International Vetiver Conferences: Vetiver and the Environment*. Cha Am. Thailand.

UN-HABITAT. (2008). **Constructed Wetlands Manual**. UN-HABITAT Water for Asian Cities Programme Nepal, Kathmandu.

USEPA. (1995). **A Handbook of Constructed Wetlands**. Washington DC:U.S. Goverment Printing Office.

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 removal of pollutants in experimental floating treatment wetlands**. *Water Air and Soil Pollution, In press, doi*: 10.107/s11270-010-0342-z.

Waisel et al., (1991). **Plant roots the hidden half**. New York: Marcel Dekker Inc.

Wallace, S. D., and Knight, R. L. (2006). **Small-Scale Constructed Wetland Treatment Systems: Feasibility, Design Criteria, and O&M Requirements**. London, UK: IWA Publishing.

WHO. (2005). **Concise International Chemical Assessment Document 63 – Manganese and its compounds**: environmental study.

Widowati, W. (2008). **Efek Toksik Logam**. Yogyakarta: Penerbit Andi.

Widyastuti, Ni Wayan, (2005). **Pengolahan Air Limbah Domestik dengan Pemanfaatn Tanaman Cyprus Papyprus Pada Sistem Subsurface Constructed Wetland**. Jurusan Teknik Lingkungan ITS, Surabaya.

Xia, H., Liu, S. and Ao, H., (2000). **Study on purification and uptake of garbage leachate by vetiver grass**. In: Proc. of the 2nd International Conference on Vetiver, Thailand.

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.

Yruela I. (2005). **Cooper in Plants**. *Braz. J. Hydrol*. 145-156.

Zurita. (2008). **Treatment of Domestic and Production of Commercial Flowers in Vertical and Horizontal Subsurface-Flow System Constructed Wetland.** Centro auniversity de la Cienaga: Mexico.