DAFTAR PUSTAKA

Abdel-Fattah, T.M., M.E. Mahmoud, M.M. Osman and S.B. Ahmed. 2014. Magneticallay active biosorbent for chromium species removal from aqueous media. *Journal of Environmental Sciencen and Health, Part A* 49: 1064-1076.

Achal, V., D. Kumari and X. Pan. 2011. Bioremediation chromium contaminated soil by a Brown-Rot Fungus, *Gloeophyllum sepiarium. Research Journal of Microbiology* 6 (2): 166-171.

Akissi, L.C. Koffi. K. Adouby, E.N. Wandan, B. Yai and K.P. Kotchi. 2010. Sorption and desorption of Pb(II) from aqueous solution using *Triplochiton scleroxylon* sawdust as sorbent. *Journal of Applied Sciences* 10(15): 1536-1544.

Alam, M.Z. 2004. Biosorption of basic dyes using sewage treatment plant biosolids. *Biotechnology* 3(2): 200 – 204.

Aliza, D. Winaruddin dan L.W. Sipahutar. 2013. Efek peningkatan suhu air terhadap perubahan perilaku, patologi anatomi dan histopatologi insang Ikan Nila (*Oreochromis niloticus*). *Jurnal Medika Veterinaria* 7(2): 142 – 145.

Al-Kadeeb, S.A. and A.H. Al-Rokban. 2011. Study of various parameters influencing the biosorption of alluminum by Actinomycetes. *Microbiology Journal* 1(6): 191 – 198.

Andarani, P. dan D. Roosmini. 2009. Profil pencemaran logam berat (Cu, Cr dan Zn) pada air permukaan dan sedimen di sekitar Industri Tekstil PT X (Sungai Cikijing). EM-7: 1-12.

Arbanah, M., M.R.M. Najwa and K.H. Ku-Halim. 2012. Biosorption of Cr(III), Fe(II), Cu(II), Zn(II) ions from liquid laboratory chemical waste by *Pleurotus ostreatus. International Journal of Biotechnology for Wellness Industries* 1(3): 152 – 162.

Aryani, Y., Sunarto dan T. Widiyani. 2004. Toksisitas akut limbah cair pabrik batik CV. Giyant Santoso Surakarta dan efek sublethalnya terhadap struktur mikroanatomi branchia dan hepar Ikan Nila (*Oreochromis niloticus*, T.). *BioSMART* 6(2): 147-153.

Atmani, F., A. Bensmaili and N.Y. Mezenner. 2009. Synthetic textile effluent removal by skin almonds waste. *Journal of Environmental Science and Technology* 2(4): 153 – 169.

Awaludin, R., I. Darah, C.O. Ibrahim, and A.M. Uyub. 2001. Decolorization of commercially available synthetic dyes by the White Rot Fungus *Phanerochaete chrysosporium*. *J Fungi and Bactery* 62: 55 – 63.

Azmat, R., Uzma and F. Uddin. 2007. Biosorption of toxic metals from solid sewage sludge by marine green algae. *Asian Journal of Plant Sciences* 6(1): 42-45.

Babu, E. and B. Preetha. 2014. Kinetics and equilibrium studies on biosorption of chromium (VI) by mixed biosorbents. *International Journal of ChemTech Research* 6(12): 4927-4933.

Bertagnolli, C., M.G.C. da Silva and E. Guibal. 2014a. Chromium biosorption using the residue of alginate extraction from *Sargassum filipendula. Chemical Engineering Journal* 237: 362-371.

----------, C., A. Uhart, J.C. Dupin, M.G.C. Silva, E. Guibal, and J. Desbrieres. 2014b. Biosorption of chromium by alginate extraction products from *Sargassum filipendula*: Investigation of adsorption mechanisms using X-ray photoelectron spretroscopy analysis. *Bioresource Technology* 164: 264-269.

Biyik, H., F. Kalyoncu, E. Oryasin, N. Azbar, E. Kalmis and G. Basbulul. 2009. Evaluation of wild and commercial types of *Pleurotus* strains for their ability to decolorize cibacron black W-NN textile dye. *African Journal of Microbiology Research* 3(6): 325-329.

Boky, H., J.M.L. Umboh dan B. Ratag. 2015. Perbedaan kandungan merkuri (Hg) air sumur gali berdasarkan jarak dari sumber pencemaran di Wilayah Pertambangan Rakyat Desa Tatelu I. *JIKMU* 5(1): 63-70.

Buhani, S dan Z. Sembiring. 2006. Biosorpsi logam Pb(II), Cu(II) dan Cd(II) pada biomassa *Sargassum duplicatum* dengan matrik silika gel. *Indo. J. Chem* 6(3): 245-250.

Chen, X.C., Y.P. Wang, Q. Lin, J.Y. Shi, W.X. Wu and Chen, Y.X. 2005. Biosorption of copper (II) and Zinc (II) from aqueous solution by *Pseudomonas putida* CZ1. *Colloids and Surfaces B: Biointerfaces* 46: 101-107.

Chojnacka, K., and Michalak, I. 2009. Using wood and bone ash to remove metal ions from solution. *Global Next J.* 11(2): 299-307.

Connel, D.W., and G.J. Miller. 1995. *Chemistry and Ecotoxicology of Pollution*. Diterjemahkan oleh Y. Koestoer. UI Press, Jakarta. 520 hal.

Darmono. 2001. *Lingkungan Hidup dan Pencemarannya*. UI Press, Jakarta.

Dewi, R.S. dan S. Lestari. 2010. Dekolorisasi limbah batik tulis menggunakan jamur indigenous hasil isolasi pada konsentrasi limbah yang berbeda. *Molekul* 5(2): 75-82.

Dhankhar, R. and A. Hooda. 2011. Fungal biosorption- an alternative to meet the challenges of heavy metal pllution in aqueous solution. *Environmental Technology* 32(5): 467-491.

Diantariani, N.P., I.W. Sudiarta dan N.K. Elantiani. 2008. Proses biosorpsi dan desorpsi ion Cr(VI) pada biosorben rumput laut *Eucheuma spinosum*. *Jurnal Kimia* 2(1): 45 – 52.

Dutta, M. and J.K. Basu. 2012. Statistical optimization for the adsorption of acid fuchsin onto the surface of carbon alumina composite pellet : An application of response surface methodology. *Journal of Environmental Science and Technology* 5(1): 42-53.

Eichenberger, B.A. and K.Y. Bert. 1998. Origin spesies and nature of selected inorganic constituents in natural waters. *Inorganic spesies*: 1-54.

Fazli, M.M., A.R. Mesdaghinia, K. Naddafi, S. Nasseri, M. Yunesian., M.M. Assadi, S. Rezaie, and H. Hamzehei. 2010. Optimization of reactive blue 19 decolorization by *Ganoderma* sp. using respone surface methodology. *Iran Journal Environmental Health Science Engineering* 7(1): 35-42.

Febrianto, J., A.N. Kosasih, J. Sunarso, Y. Ju, N. Indraswati and S. Ismadji. 2009. Equilibrium and kinetic studies in adsorption of heavy metals using biosorbent: A summary of recent studies. *Journal of Hazardous Materials* 162: 616-645.

Fujaya, Y. 2014. *Fisiologi Ikan*. Rineka Cipta, Jakarta.

Gadd, G.M. 1990. Biosorption. *Chem and Ind* 13: 421-426.

Ghasemi, F.F., S. Dobaradaran, A. Raeisi, A. Esmaili, M.J. Mohammadi, M. Keshtkar, S.G. Nasab and F. Soleimani. 2016. Data on Fe(II) Biosorption onto *Sargassum hystrix* Algae obtained from the Persian Gulf in Busherh Port, Iran. *Data in Bref* 5: 823-827.

Gupta, V.K., A. Nayak and S. Agarwal. 2015. Bioadsorbents for remediation of heavy metals: Current status and their futuru prospect. *Environ. Eng. Res.* 20(1): 1-18.

Hashim, M.A. and K.H. Chu. 2002. Biosorption of cadmium by brown, green and red seaweeds. *Chemical Engineering Journal* 97(2-3): 249-255.

He, J. and J.P. Chen. 2014. A comprehensive review on biosoption of heavy metals by algal biomass: Materials, Performances, Chemistry and Modeling Simulation Tools. *Bioresource Technology* 160: 67-78.

Hubbe, M.A., S.H. Hasan and J.J. Ducoste. 2011. Cellulosic substrates for removal of pollutants from aqueous system, metal ions sorption: A review. *Bioresources* 6(2): 2161-2287.

Hughes, M.N. and R.K. Poole. 1990. *Metal and Microorganism*. Chapman and Hall, London.

Huri, E. dan Syafriadiman. 2010. Pengaruh konsentrasi $AlK(SO_4)_2 12H2O$ (aluminium potasium sulfat) terhadap perubahan bukaan operkulum dan sel jaringan insang ikan nila merah (*Oreochromis niloticus*). *Berkala Perikanan Terubuk* 38(2): 64-79

Igwe, J.C., O.F. Mbonu and A.A. Abia. 2007. Sorption kinetict intraparticle diffusion and equilibrium partitioning of azo dyes on great millet (*Andropogon sorghum*) waste biomassa. *Journal of Applied Sciences* 7(19): 2840 – 2847.

Joo, J.H., K.A. Hussein and H.A. Hassan. 2011. Bacteria and fungi as alternatives for remediation of water resources polluting heavy metal. *Korean J. Soil. Sci. Fert.* 44(4): 600-614.

Junaidi dan B.P.D. Hatmanto. 2006. Analisis teknologi pengolahan limbah cair batik pada industri tekstil (Studi Kasus PT. Iskandar Indah Printing Textile Surakarta). *Jurnal Presipitasi* 1(1): 1-6.

Kadi, A. 2005. Beberapa catatan kehadiran marga *Sargassum* di perairan Indonesia. *Oseana* 30(4): 19 - 29.

Kadri, H. 2012. Hemoprotein dalam tubuh manusia. *Jurnal Kesehatan Andalas* 1(1): 22-30.

Kartikasari, T.H., S. Lestari dan R.S. Dewi. 2012. Adsorpsi Zn dan dekolorisasi limbah batik menggunakan limbag *baglog Pleurotus ostreatus* dengan sistem inkubasi dan volume limbah batik yang berbeda. *Biosfera* 29(3): 167 - 176

Khammuang, S. and R. Sarnthima. 2009. Mediator-assisted rhodamine B decolorization by *Tramates versicolor* Laccase. *Pakistan Journal of Biological Sciences* 12(8): 616 – 623.

Khoramabadi, Gh. S and R.D.C. Soltani. 2008. Evalution of the marine algae *Gracilaria salocornia* and *Sargassum* sp. for the biosorption of Cr(VI) from Aquoues Solutions. *Journal of Applied Sciences* 8(11): 2163 – 2167.

Klaassen*, C.D.* 2008. *Casarett and Doull's Toxicology: The Basic Science of Poison*, Seventh Edition. McGraw Hill Publisher, New York. 1331 p.

Kwak, H.W., M.K. Kim, J.Y. Lee, H. Yun, M.H. kim, Y.H. Park and K.H. Lee. 2015. Preparation of bead-type biosorbent from water-soluble *Sprirulina platensis* extracts for chromium (VI) removal. *Algal Research* 7: 92-99.

Lelifajri. 2010. Adsorpsi ion logam Cu(II) menggunakan lignin dari limbah serbuk kayu gergaji. *Jurnal Rekayasa Kimia dan Lingkungan* 7(3): 126-12

Lestari, S., Sudarmadji, S.D. Tandjung dan S.J. Santosa. 2017. Lethal Toxicity of Batik Waste Water Bio-Sorption Result in Tilapia. *Advanced Science Letter* 23: 2611-2613.

----------. 2016. Biosorpsi Krom Total dalam Limbah Cair Batik dengan Biosorben yang dikemas dalam Kantung Teh Celup. *Biosfera* 33(2): 71-75

----------. 2015. Kajian kualitas air Kali Wangan yang tercemar limbah cair batik. *Prosiding Seminar Nasional Pengelolaan Sumberdaya Alam dan Lingkungan,* p:553-556 ISBN:978-602-73313-0-3

----------, S. Santoso dan D.S. Windyartini. 2010. Lead (Pb) adsorption at leachate of Gunung Tugel landfill by *Sargassum cinereum*. *Proceedings of the National Seminar on Biology* p:490-495 ISBN 978-979-16109-4-0

----------, Hernayanti dan A.I. Insan. 2008. Biosorpsi krom heksavalen (Cr^{6+}) menggunakan rumput laut *Sargassum* sp. dalam skala laboratorium. *Biosfera* 25(3): 129 – 134

Lina, E.C., Dadang, S. Manuwoto dan G. Syahbirin. 2015. Gangguan fisiologi dan biokimia *Crocidolomia pavonana* (F.) (Lepidoptera: Crambidae) akibat perlakuan ekstrak campuran *Tephrosia vogelli* dan *Piper aduncum. Jurnal Entomologi Indonesia* 12(2): 100-107

Loomis, T.A. 1978. *Toksikologi Dasar.* Edisi ketiga (diterjemahkan oleh Imono, A.D). Semarang: IKIP Press Semaranga

Lu, F.C. 1995. *Basic Toxicology: Fundamentals, Target, Organs and Risk Assesment.* Diterjemahkan oleh E. Nugroho. UI Press, Jakarta. 429 hal.

Mahbub, K.R., A. Mohammad, M.M. Ahmed and S. Begum. 2012. Decolorozation of synthetic dyes using bacteria isolated from textile industry effluent. *Asian Journal of Biotechnology* 4(3): 129 – 136.

Mahfudloh dan H. Lestari. 2017. Strategi penanganan limbah industri batik di Kota Pekalongan. *Journal of Puclic Policy and Management Review.* 6(3): 1-15.

Moenir, M. 2006. *Pengelolaan Air Limbah Industri*. Makalah pada Workshop Pengembangan Teknologi Pengendalian Pencemaran Lingkungan – Bappedal Propinsi Jawa Tengah, 27 Juli 2006 di Semarang.

Mondal, S. 2008. Methods of dye removal from dye house effluent. *Environmental Engineering Science* 25(3): 383-396.

Montazer-Rahmati, M.M., P. Rabbani, A. Abdolali and A.R. Keshtkar. 2011. Kinetics and equilibrium studies on biosorption of cadmium, lead and nickel from aqueous solution by intact and chemically modified brown algae. *Journal of Hazardous Material* 185: 401-407.

Mushollaeni, W. and E. Rusdiana. 2011. Karakterisasi natrium alginat dari *Sargassum* sp., *Turbinaria* sp., dan *Padina* sp. *J. Teknol dan Industri Pangan.* XXII(1): 26-32.

Naddafi, K., R. Nabizadeh and R. Saeedi. 2005. Kinetics modeling of lead (II) and cadmium (II) biosorption from aqueous solutions by brown algae *Sargassum* sp. Biomass. *Pakistan Journal of Biological Sciences* 8(9): 1250 – 1255.

Nasir, M. 2012. Model pengolahan limbah menuju *Environment Friendly Product. BENEFIT Jurnal Manajemen dan Bisnis* 6(1): 58-68.

Nasreen, Z., B. Rukhsana and K. Tasnim. 2007. Decolorization of textile dyes and their effluents using white rot fungi. *Mycopath* 5(1): 49-52.

Nurmaniah, I., F.H. Firdaus, A. Fitriana, M. Risanti, Irmansyah dan Irzaman. 2015. Karakterisasi Jamur Tiram Putih dengan Media Jagung Bula menggunakan *Fourier Transform Infrared. Prosiding Seminar Nasional Fisika* 2015, p:11-16 p-ISBN:2339-0654 e-ISBN:2476-9398

Okuo, J.M., S.B. Sanni and S.U. Aigbedion. 2006. Selective biosorption of heavy metal ions from aqueous solutions by pre-treated Nigerian fresh water algae. *Trends in Applied Sciences Research* 1(1): 83-90.

Omorogie, M.O., J.O. Babalola, E.I. Unubonah, W. Song and J.R. Gong. 2016. Efficient chromium abstraction from aqueous solution using a low-cost biosorbent: *Nauclea diderrichii* seed biomass waste. *Journal of Studi Chemical Society* 20: 49-57.

Owalude, S.O and A.C. Tella. 2016. Removal of hexavalent chromuim fro aqueous solutions by adsorption on modified groundnut hull. *Beni-Suef University Journal of Basic Applied Science* 5: 377-388.

Palar, H. 1994. *Pencemaran dan Toksikologi Logam Berat*. P.T. Rineka Cipta, Jakarta.

Pathomsiriwong, W. and P. Reanprayoon. 2012. Biosorption of acid dyes by non-living aquatic macrophyte, *Hydrilla verticillata. Journal of Enviromental Sciences and Technology* 5(5): 332 – 342.

Phetsom, J., S. Khammuang, P. Suwannawong and R. Sarnthima. 2009. Copper-alginate encapsulation of crude laccase from *Lentinus polychrous,* Lev and their effectiveness in synthetic dyes decolorizations. *Journal of Biological Sciences* 9(6): 573 – 583.

Putra, D.A., Lisdiana and T.A. Pribadi. 2014. Ram jet ventilation, perubahan struktur morfologi dan gambaran mikroanatomi insang Ikan Lele akibat paparan limbah cair pewarna batik. *Unnes Journal of Life Science* 3(1): 53-58).

Puspita, U.R., A.S. Siregar and N.V. Hidayati. 2011. Kemampuan tumbuhan air sebagai agen fitoremidiator logam berat kromium (Cr) yang terdapat pada limbah industri batik. *Berkala Perikanan Terubuk* 39(1): 58-64.

Rajeswari, K., R. Subashkumar and K. Vijayaraman. 2011. Biodegradation of mixed textile dyes by bacterial strains isolated from dyewaste effluent. *Research Journal of Environmental Toxicology* 5(2): 97 – 107.

Ramya, M., A. Bhaskar., S. Kalavathy and S. Devilaksmi. 2007. Biodecolorization and biodegradation of reactive blue by *Aspergillus* sp. *African Journal of Biotechnology* 6(12): 1441 – 1445.

Rezaee, A., B. Ramavandi, F. Ganati, M. Ansari & A. Solimanian. 2006. Biosorption of mercury by biomass of filamentous algae Spirogyra species. *Journal of Biological Sciences* 6(4): 695-700.

Riyani, K., T. Setyaningtyas and R. Andreas. 2007. Pemanfaatan Arang aktif Jerami Padi (AAJP) untuk menurunkan kadar zat warna dan logam berat pada limbah tekstil menggunakan modifikasi fotokalalis TiO_2. Laporan Penelitian Riset Unggulan Daerah. Balitbang Provinsi Jawa Tengah, Semarang.

Riyanto. 2012. Penemuan teknik baru untuk pengolahan limbah batik. *Laporan Penelitian*. Prodi Ilmu Kimia, Universitas Islam Indonesia, Yogyakarta.

Rizza, R. 2013. Hubungan antara kondisi fisik sumur gali dengan kadar nitrit air sumur gali di sekitar sungai tempat pembuangan limbah cair batik. *Unnes Journal of Public Health* 2(3): 1-10.

Saefudin., E, Fitiana., dan Kusnadi. 2010. Penggunaan biomassa *Aspergillus niger* van Tieghem dalam biosorpsi krom dari limbah pertambangan nikel. *Laporan Penelitian* Program Studi Biologi, Universitas Pendidikan Indonesia, Bandung.

Saha, R and B. Saha. 2014. Removal of hexavalent chromium from contaminated water by adsorption using mango leaves (*Mangifera indica*). *Desalination and Water Treatment* 52: 1928-1936.

---------, I. Saha, R. Nandi, A. Ghosh, A. Basu, S.K. Ghosh and B. Saha. 2012. Application of Chattim Tree (Devil Tree *Alstonia Scholaris*) saw dust as a biosorbent for removal of hexavalent chromium from contaminated water. *Tha Canadian Journal of Chemical Engineering* 9999: 1-8

Sahmoune, M. N., K. Lauhab and A. Baukhiar. 2008. The Adsorption of chromium from aqueous solution using dead biomass. *Environmental Research Journal* 2(5): 254-260.

Santos, F.A., L. Alban, C.L.C. Frankenberg and M. Pires. 2016. Characterization and use of biosorbents prepared from forestry waste and their washed extracts to reduce/remove chromium. *Int. J. Environ. Sci. Technol.* 13: 327-338.

Santoso, S., S. Lestari dan D. S. Windyartini. 2010. Biosorpsi kadmium pada leachate TPA Gunung Tugel menggunakan biomassa *Sargassum cinereum. Biosfera* 27(3): 126-132.

Saptarini, D. 2009. Pengolahan limbah cair batik dengan metode koagulasi- flokulasi dan adsorpsi sistem batch. *Tesis*. Sekolah Pascasarjana, UGM.

Saravanan, A., P.S. Kumar and B. Preetha. 2015. Optimization of process parameters for the removal of chromium (VI) and nickle (II) from aqueous solution by mixed biosorbent (custard apple seeds and *Aspergillus niger*) using response surface methodology. *Desalination and water treatment*: 1-14.

Sasongko, D.P. dan W.P. Tresna. 2010. Identifikasi unsur dan kadar logam berat pada limbah pewarna batik dengan metode analisis pengaktifan neutron. *Jurnal Ilmu Pengetahuan dan Teknologi TELAAH* 27: 22-27.

Sathiya-moorthi, P., S. Periyar selvam, A. Sasikalaveni, K. Murugesan and P.T. Kalaichelvan. 2007. Decolorization of textile dyes and their efluents using white rot fungi. *African Journal of Biotechnology* 6(4): 424-429.

Sen, M and M.G. Dastidar. 2007. Biosorption of Cr(VI) by resting cells of *Aspergillus* sp. *Iran J. Environ. Health. Sci. Eng.* 4(1): 9-12.

Shah, L.S. 2010. Hematological changes in *Tinca tinca* after exposure to lethal and sublethal doses og mercury, cadmium and lead. *Iranian Journal Fisheries Sciences* 9(3): 434-443

Sheng, P.X., Y. Ting, J.P. Chen and L. Hong. 2004. Sorption of lead, copper, cadmium, zinc and nickel by marine algal biomass: chareacterization of biosorptive capacity and investigation of mechanisms. *Journal of Colloid and Interface Science* 275: 131-141.

Sibi, G. 2016. Biosorption of chromium from electroplating and galvanizing industrial effluents under extreme conditions using *Chlorella vulgaris. Green Energy and Environment* 1: 172-177.

Siddhant and C.S. Singh. 2009. Recycling of spent oyster mushroom substrate to recover addditional value. *Journal of Science, Engineering and Technology* 5(2): 66-71.

Simanjuntak, S.B.I., E. Yuwono dan F.N. Rachmawati. 2006. Pengaruh penyuplemenan *Spirulina* dalam pakan terhadap hematologis Ikan Nilem (*Osteochilus hasselti* C.V). *Jurnal Pembangunan Pedesaan* 6(2): 82-88.

Standar Nasional Indonesia No. 06-6989.11-2004. *Cara uji derajat keasaman (pH) dengan menggunakan alat pHmeter*. Badan Standarisasi Nasional, ICS 13.060.50

Standar Nasional Indonesia No. 06-6989.14-2004. *Cara uji oksigen terlarut secara yodometri*. Badan Standarisasi Nasional, ICB 13.060.50

Standar Nasional Indonesia No. 03-7016-2004. *Tata cara pengambilan contoh dalam rangka pemantauan kualitas air pada suatu daerah aliran sungai*. Badan Standarisasi Nasional, ICB 13.060.45

Standar Nasional Indonesia No.06-6989.23:2005. *Cara uji suhu dengan termometer*. Badan Standarisasi Nasional, ICB 13.060.01

Badan Pusat Statistik Kabupaten Banyumas. 2015. *Statistik Daerah Kecamatan Sokaraja*. Nomor Publikasi 33025.15.25

Sudarja, N.C. 2012. Kaji eksperimental efektivitas penyerapan limbah cair Industri Batik Taman Sari Yogyakarta menggunakan arang aktif mesh 80 dari limbah gergaji kayu jati. *Jurnal Ilmiah Semesta Teknika* 14(1): 50 – 58.

Sudiarta, I.W. dan D.A. Yulihastuti. 2010. Biosorpsi Kromium (VI) pada serat sabut Kelapa Hijau (*Cocos nucifera*). *Jurnal Kimia* 4(2): 158 – 166.

Sugiono. 2001, Teknik Sampling, Jakarta, PT. Gramedia Pustaka Utama.

Sumarko, H.T., S. Lestari dan R.S. Dewi. 2013. Deodorisasi limbah cair batik menggunakan limbah baglog *Pleurotus ostreatus* dengan kombinasi volume dan waktu inkubasi berbeda. *Molekul* 8(2): 151-166.

Supenah, P., E. Widyastuti dan R.E. Priyono. 2015. Kajian kualitas air Sungai Condong yang terkena buangan limbah cait Batik Trusmi Cirebon. *Biosfera* 32(2): 110-118.

Susanto, T., S. Rakhmadiono dan Mujianto. 2001. Karakterisasi ekstrak alginat dari *Padina* sp. *Jurnal Teknologi Pertanian* 2(2): 96-109.

Tamamudin. 2016. Perilaku produksi industri batik Kota Pekalongan menurut etika produksi Islam. *Jurnal Hukum Islam* 14(2): 97-113.

Tan, P., C. Wong, S. Ong and S. Hii. 2009. Equilibrium and kinetic studies for Basic Yellow 11 removal by *Sargassum binderi. Journal of Applied Sciences* 9(17): 3005 – 3012.

Tandjung, S.D. 1982. The acute toxicity and histophatology of the Brook Trout (*Salvelinus fontinalis* Mitchill) exposed to allumunium in acid water. *Disertation*. Fordham University, New York.

----------. 1995. *Toksikologi Lingkungan*, UGM Press Yogyakarta.

Toha, M. 2003. *Perilaku Organisasi Konsep Dasar dan Aplikasinya*. Jakarta: Grafindo Persada.

Tran-Duy, A., A.A. Dam and J.W. Schrama. 2012. Feed Intake, Growth and Metabolism of Nile Tilapia (*Oreochromis niloticus*) in Relation to Dissolved Oxygen Concentration. *Aquaculture Research* 43: 730-744

Tyas, N.M., D.T.F.L. Batu dan R. Affandi. 2016. Uji toksisitas letal Cr6+ terhadap Ikan Nila (*oreochromis niloticus*). *JIPI* 21(2):128-132.

Utomo, N.B.P., F. Rahmatia dan M. Setiawati. 2012. Penggunaan *Spirulina platensis* sebagai suplemen bahan baku pakan ikan nila (*Oreochromis niloticus*). *Jurnal Akuakultur Indonesia* 11(1): 49-53.

Viera, R.H.S.F. and B. Volesky. 2000. Biosorption: A solution to pollution? *Internatk Microbiol* 3: 17-24.

Volesky, B. and Z.R. Holan. 1995. Biosorption of heavy metal. *Journal of Chemical and Technology* 11(3): 235-250.

Walgito, B. 2002. *Psikologi Sosial (Suatu Pengantar)* Edisi III. Andi, Yogyakarta.

Xu, J., Y. Liu, S. Cui and X. Miao. 2006. Behavioral responses of tilapia (*Oreochromis niloticus*) to acute fluctuations in dissolved oxygen levels as monitored by computer vision. *Aquacultural Engineering* 35: 207-217.

Yang, J. and B. Volesky. 1999. Biosorption and elution of uranium with seaweed biomass. In: Biohydrometallurgy and the enviroment toward the mining of the 21st Century : International Biohydrometallurgy Symposium Proceedings. (20th – 23rd June, 1999, San Lorenzo de el Escorial, Madrid, Spain).

Youssef, A.S., M.F. El-Sherif and S.A. El-Assar. 2008. Studies on the decolorization of malachite green by the local isolate *Acremonium kilianse. Biotechnolog,* 7(2): 213 – 223.

Yu, M.H. 2005. *Environmental Toxicology: Biological and Health Effects of Pollutans*. Second Edition. CRC Press, Boca Raton Florida. 366 p.

Zulfahmi, I., Muliari dan I. Mawaddah. 2017. Toksisitas Limbah Cair Kelapa Sawit Terhadap Ikan Nila (*Oreochromis niloticus* Linneus 1758) dan Ikan Bandeng (*Chanos chanos* Froskall 1755). *Agricola* 7(1): 44-55.