

## DAFTAR PUSTAKA

- Alizadeh, M., Ghahramani, E., Zarrabi, M., & Hashemi, S. (2015). Efficient De-colorization of Methylene Blue by Electro-coagulation Method: Comparison of Iron and Aluminum Electrode. *Iran. J. Chem. Chem. Eng.*, Vol, 34(1).
- Andari, N. D. (2014). Fotokatalis TiO<sub>2</sub>-zeolit untuk degradasi metilen biru. *Chemistry Progress*, 7(1).
- Aquino, J. M., Rocha-Filho, R. C., Bocchi, N., & Biaggio, S. R. (2010). Electrochemical degradation of the reactive red 141 dye on a -PbO<sub>2</sub> anode assessed by the response surface methodology. *Journal of the Brazilian Chemical Society*, 21(2), 324-330.
- Ariguna, I. W. S. P., Wiratini, N. M., Sastrawidana, I. D. K., & Si, S. (2014). Degradasi Zat Warna Remazol Yellow Fg dan Limbah Tekstil Buatan dengan Teknik Elektrooksidasi. *Jurnal Pendidikan Kimia Undiksha*, 2(1).
- Ayu, A.A., & Arisoesilaningsih , E. (2014). Produktivitas Dan Pertumbuhan Beberapa Hidromakrofita Lokal Tergenang Di Kolam Fitoremediasi Di Desa Sengguruh, Kecamatan Kepanjen, Kabupaten Malang. *Biotropika*, 2(2), 73 - 77.
- Azarian, G., Nematollahi, D., Rahmani, A. R., Godini, K., Bazdar, M., & Zolghadranasab, H. (2014). Monopolar Electro-Coagulation Process for Azo Dye CI Acid Red 18 Removal from Aqueous Solutions. *Avicenna J Environ Health Eng*, 1(1):e354.
- Bansal, S., Kushwaha, J. P., & Sangal, V. K. (2013). Electrochemical treatment of reactive black 5 textile wastewater: optimization, kinetics, and disposal study. *Water Environment Research*, 85(12), 2294-2306.
- Bazrafshan, E., & Mahvi, A. H. (2014). Textile Wastewater Treatment by Electrocoagulation Process using Aluminum Electrodes. *Iranian journal of health sciences*, 2(1), 16-29.
- Bensalah, N., & Abdel-Wahab, A. (2010). Electrochemical Treatment of Synthetic and Actual Dyeing Wastewaters Using BDD Anodes. *Air, soil and water research*, 3, 45.
- Bhernama, B. G., Safni, S., & Syukri, S. (2015). Degradasi Zat Warna Metanil Yellow Secara Fotolisis Dan Penyinaran Matahari Dengan Penambahan Katalis TiO<sub>2</sub>-anatase dan SnO<sub>2</sub>. *Elkawnie*, 1(1).
- Camcioglu, S., Canan Pekel, L., Polat, K., & Hapoglu, H. (2014). Experimental design of wastewater treatment with electro-coagulation. *Management of Environmental Quality: An International Journal*, 25(1), 86-95.

- Canan Pekel, L., Ertunc, S., Zeybek, Z., & Alpbaz, M. (2013). Optimization of electrochemical treatment of textile dye wastewater. *Management of Environmental Quality: An International Journal*, 24(4), 452-462.
- Chatzisymeon, E., Xekoukoulotakis, N. P., Coz, A., Kalogerakis, N., & Mantzavinos, D. (2006). Electrochemical treatment of textile dyes and dyehouse effluents. *Journal of hazardous materials*, 137(2), 998-1007.
- Dewi, T., & Hindersah, R. (2009). Konsentrasi Kadmium dan Timbal di Tanaman Mendong yang ditanam di Tanah Sawah dengan Aplikasi Azotobacter dan Arang Aktif. *Agrikultura*, 20(3), 185-190.
- El-Sayed, G. O., Awad, M. S., & Ayad, Z. A. (2014). Electrochemical Decolorization of Maxilon Red GRL Textile Dye. *International Research Journal of Pure and Applied Chemistry*, 4(4), 402
- Fadhil, B. H., & Ghalib, A. M. (2011). Electrochemical Decolorization Of Direct Black Textile Dye Wastewater. *Journal of Engineering*, 17(3), 441-447.
- Fourcade, F., Delawarde, M., Guihard, L., Nicolas, S., & Amrane, A. (2013). Electrochemical reduction prior to electro-Fenton oxidation of azo dyes: impact of the pretreatment on biodegradability. *Water, Air, & Soil Pollution*, 224(1), 1-11.
- Gomes, L., Miwa, D. W., Malpass, G. R., & Motheo, A. J. (2011). Electrochemical degradation of the dye reactive orange 16 using electrochemical flow-cell. *Journal of the Brazilian Chemical Society*, 22(7), 1299-1306.
- Gosavi, V. D., & Sharma, S. (2014). A general review on various treatment methods for textile wastewater. *J. Environ. Sci. Comput. Sci. Eng. Tech*, 3, 29-39.
- Hajira, T., Shah, A. R., Iqbal, S., & Kifayatullah, H. M. (2017). The Statistical Optimization of Indirect Electrochemical Oxidation Process for the Treatment of Dye from Simulated Textile Discharge. *Int J Environ Sci Nat Res*, 2(2), 555583.
- Jovi , M., Stankovi , D., Manojlovi , D., An elkovi , I., Mili , A., Doj inovi , B., & Rogli , G. (2013). Study of the electrochemical oxidation of reactive textile dyes using platinum electrode. *Int. J. Electrochem. Sci*, 8, 168-183.
- Karadag, D., Akgul, E., Tok, S., Erturk, F., Kaya, M. A., & Turan, M. (2007). Basic and reactive dye removal using natural and modified zeolites. *Journal of Chemical & Engineering Data*, 52(6), 2436-2441.
- Kariyajjanavar, P., Narayana, J., Nayaka, Y. A., & Umanai, M. (2010). Electrochemical degradation and cyclic voltammetric studies of textile reactive azo dye cibacron navy WB. *Portugaliae Electrochimica Acta*, 28(4), 265-277.

Kariyajjanavar, P., Jogtappa, N., & Nayaka, Y. A. (2011). Studies on degradation of reactive textile dyes solution by electrochemical method. *Journal of hazardous materials*, 190(1), 952-961.

Ketut, S. D., Oktofa, R. D., & Ketut, S. (2018). Color Removal of Textile Wastewater Using Indirect Electrochemical Oxidation with Multi Carbon Electrodes. *EnvironmentAsia*, 11(3).

Khandegar, V., & Saroha, A. K. (2013). Electrochemical treatment of textile effluent containing Acid Red 131 dye. *Journal of Hazardous, Toxic, and Radioactive Waste*, 18(1), 38-44.

Kusmierenk, E., Chrzescijanska, E., Szadkowska-Nicze, M., & Kaluzna-Czaplinska, J. (2011). Electrochemical discolouration and degradation of reactive dichlorotriazine dyes: reaction pathways. *Journal of Applied Electrochemistry*, 41(1), 51-62

Lewis, D. M., Broadbent, P. J., & Vo, L. T. (2008). Covalent Fixation of Reactive Dyes on Cotton under Neutral Conditions. *AATCC Review*, 8(1), 35-41.

Marganeringrum, D., Rusydi, A. F., & Suherman, D. (2013). Kinerja Instalasi Pengolahan Limbah Cair Kampung Batik Lawean. *Prosiding Pemaparan Hasil Penelitian Puslit Geoteknologi – LIPI*. ISBN: 978-979-8636-20-2, 273-281.

Massoudinejad, M., Sharifimaleksari, H., Adibzadeh, A., & Shahbazi, A. (2015). Investigation of Electrolysis Process Performance by Graphite Electrodes for De-Colorization of Phenolphthalein and Phenol Red from Aqueous Solution. *Iranian Journal of Health, Safety and Environment*, 2(4), 341-347.

Méndez-Martínez, A. J., Dávila-Jiménez, M. M., Ornelas-Dávila, O., Elizalde-González, M. P., Arroyo-Abad, U., Sirés, I., & Brillas, E. (2012). Electrochemical reduction and oxidation pathways for Reactive Black 5 dye using nickel electrodes in divided and undivided cells. *Electrochimica Acta*, 59, 140-149.

Mufarida, L., & Arisoesilaningsih, E. (2015). Keberhasilan Hidup Beberapa Tumbuhan Riparian Lokal yang Ditanam di antara Biomassa Kangkung yang Tumbuh Terapung di Kolam Fitoremediasi. *Biotropika*, 3(3).

Nordin, N., Amir, S. F. M., Yusop, M. R., & Othman, M. R. (2015). Decolorization of CI reactive orange 4 and textile effluents by electrochemical oxidation technique using silver-carbon composite electrode. *Acta Chimica Slovenica*, 62(3), 642-651.

Peraturan daerah Propinsi Jawa tengah No. 5 Tahun 2012

Peraturan Menteri Lingkungan Hidup Republik Indonesia Nomor 7 Tahun 2014

Prasetyo, H. D., & Retnaningdyah, C. (2013). Peningkatan Kualitas Air Irigasi Akibat Penanaman Vegetasi Riparian dari Hidromakrofita Lokal selama 50 Hari. *Biotropika*, 1(4), 149-153.

Purwadinata, H., & Sutrisno, N. (2013). Rehabilitasi Lahan Pertanian Tercemar Limbah Industri (Hg Dan Pb) Dalam Mendukung Pembangunan Pertanian Ramah Lingkungan. *Prosiding Seminar Nasional Matematika, Sains, dan Teknologi*, Volume 4, D.72-D.81.

Purwati, S., & Surachman, A. (2017). Potensi dan pengaruh tanaman pada pengolahan air limbah pulp dan kertas dengan sistem lahan basah. *JURNAL SELULOSA*, 42(02), 45-53.

Rajkumar, K., & Muthukumar, M. (2012). Optimization of electro-oxidation process for the treatment of Reactive Orange 107 using response surface methodology. *Environmental Science and Pollution Research*, 19(1), 148-160.

Rajkumar, K., & Muthukumar, M. (2017). Statistical Optimization of Electro Oxidation Process for Removal of Textile Dye CI Reactive Blue 198. *Int J Environ Sci Nat Res*, 1(4), 555570.

Rao, A. N., & Venkatarangaiah, V. T. (2014). The Effect of Cathode Materials on Indirect Electrochemical Oxidation of Methyl Orange, Malachite Green and Methylene Blue. *Portugaliae Electrochimica Acta*, 32(3), 213-231.

Republika, Senin 12 Oktober 2015

Rencana Strategis Kementerian Perindustrian 2015-2019, Kemenperin Republik Indonesia.

Rizwana, M., Darshan, M., & Nilesh, D. (2014). Phytoremediation of Textile Waste Water Using Potential Wetland Plant: Eco Sustainable Approach. *Int. J. Interdiscip. Multidiscip. Stud*, 1, 130-138.

Roopashree, G. B., & Lokesh, K. S. (2014). Comparative study of electrode material (iron, aluminium and stainless steel) for treatment of textile industry wastewater. *International Journal of Environmental Sciences*, 4(4), 519.

Sa'ad, N. S., Artanti, R., & Dewi, T. (2011). Phytoremediation for rehabilitation of agricultural land contaminated by cadmium and copper. *Phyto-Remediation for Rehabilitation*, 4, 17-21.

Subramaniam, D., Halim, A. A., & Hanafiah, M. M. (2016). Performance of electrochemical oxidation in treating textile industry wastewater by graphite electrode. *Nature Environment and Pollution Technology*, 15(3), 1021.

Sugiyana, D., & Harja, Y. (2016). Dekolorisasi Fotokatalitik Air Limbah Tekstil Mengandung Zat Warna Azo Acid Red 4 Menggunakan Mikropartikel TiO<sub>2</sub> Dan ZnO. *Arena Tekstil*, 29(1).

Sunardi, Ashadi, Sentot Budi Rahardjo, Inayati (2017). Green Synthesis and Characterization of nano Zero Valent Iron using Banana Peel Extract. *Journal of Environment and Earth Science*. Vol. 7 No. 8 Hal 80-84.

Sürme, Y., & Demirci, O. (2014). Determination of direct violet 51 dye in water based on its decolorisation by electrochemical treatment. *Chemical Papers*, 68(11), 1491-1497.

Suseno (2015). Penghilangan Zat Warna Tekstil Remazol Blue RSP Dengan Metode Elektrokimia Menggunakan Elektroda Grafit. Laporan penelitian, Fakultas Teknik USB.

Suseno, Mahayana A., & Darmawan P. (2016). Adsorpsi Logam Kromium Menggunakan Adsorben Bulu Ayam Teraktivasi Hidrogen Peroksida. *Prosiding SN-KPK VIII*, ISBN: 978-602-73159-1-4

Tahir, U., Yasmin, A., & Khan, U. H. (2015). Phytoremediation: Potential flora for synthetic dyestuff metabolism. *Journal of King Saud University-Science*.

Tyagi, N., Mathur, S., & Kumar, D. (2014). Electrocoagulation process for textile wastewater treatment in continuous upflow reactor. *Journal of Scientific & Industrial Research*, 73, 195-198.

Uliana, C. V., Garbellini, G. S., & Yamanaka, H. (2012). Electrochemical reduction of disperse orange 1 textile dye at a boron-doped diamond electrode. *Journal of Applied Electrochemistry*, 42(5), 297-304.

Vijayaraghavan, J., Basha, S. S., & Jegan, J. (2013). A review on efficacious methods to decolorize reactive azo dye. *Journal of Urban and Environmental Engineering (JUEE)*, 7(1).

Widodo, D. S., Gunawan, G., & Kristanto, W. A. (2008). Elektroremediasi Perairan Tercemar: Penggunaan Grafit pada Elektrodekolorisasi Larutan Remazol Black B. *Jurnal Kimia Sains dan Aplikasi*, 11(2), 34-37.

Wijaya N. (2014). *Ilmu Lingkungan*, edisi 2, Graha Ilmu, Yogyakarta

Wu, J., Liu, F., Zhang, H., Zhang, J., & Li, L. (2012). Decolorization of CI Reactive Black 8 by electrochemical process with/without ultrasonic irradiation. *Desalination and Water Treatment*, 44(1-3), 36-43.

Yusuf, G. (2008). Bioremediasi limbah rumah tangga dengan sistem simulasi tanaman air. *Bumi Lestari*, 8(2).

Zaman, B. (2013). Efisiensi Pengolahan Amonium Berkonsentrasi Tinggi Dalam Lindi Pada Sistem Evapotranspirasi-Anaerobik Secara Kontinyu.

Zaman, B., Purwanto, P., & Mangkoedihardjo, S. (2014). Plants Growth Rate in Evapotranspiration continuous system reactors as the 2nd Treatment at Anaerobic-evapotranspiration system with High Strength Ammonium in Leachate Influent. *International Journal of Science and Engineering*, 7(1), 48-51.

Zhang, F., Feng, C., Li, W., & Cui, J. (2014). Indirect Electrochemical Oxidation of Dye Wastewater Containing Acid Orange 7 Using Ti/RuO<sub>2</sub>-Pt Electrode. *Int. J. Electrochem. Sci.*, 9, 943-954.

Zuhria, F., Sarto, S., & Prasetyo, I. (2018). The influence of electrocoagulation to the reduction of COD, BOD, and TSS of Batik Industry wastewater. *Sustinere: Journal of Environment and Sustainability*, 2(2), 100-107.

