

DAFTAR PUSTAKA

- Adamson, A., 1979, *A textbook of physical chemistry - 2nd edition*, Academic Press. <https://doi.org/10.1016/B978-0-12-044260-7.X5001-2>
- Ahmadian, M., Yousefi, N., Van Ginkel, S. W., Zare, M. R., Rahimi, S., Fatehizadeh, A., 2012, Kinetic study of slaughterhouse wastewater treatment by electrocoagulation using Fe electrodes. *Water Science and Technology* **66**(4): 754-760. <https://doi.org/10.2166/wst.2012.232>
- Akhtar, N., Syakir Ishak, M. I., Bhawani, S. A., Umar, K., 2021, Various natural and anthropogenic factors responsible for water quality degradation: A review. *Water* **13**(19): 2660. <https://doi.org/10.3390/w13192660>
- Ankley, G. T., Brooks, B. W., Huggett, D. B., Sumpter, P. J., 2007, Repeating history: pharmaceuticals in the environment. *Environmental Science & Technology* **41**(24): 8211-8217. <https://doi.org/10.1021/es072658j>
- aus der Beek, T., Weber, F. A., Bergmann, A., Hickmann, S., Ebert, I., Hein, A., Küster, A., 2016, Pharmaceuticals in the environment—Global occurrences and perspectives. *Environmental toxicology and chemistry* **35**(4): 823-835. <https://doi.org/10.1002/etc.3339>
- Ayers, P. W., 2005, An elementary derivation of the hard/soft-acid/base principle. *The Journal of Chemical Physics* **122**(14): 141102. <https://doi.org/10.1063/1.1897374>
- Bagotsky, V. S., 2005, *Fundamentals of electrochemistry - 2nd edition*, John Wiley & Sons.
- Baran, W., Adamek, E., Jajko, M., Sobczak, A., 2018, Removal of veterinary antibiotics from wastewater by electrocoagulation. *Chemosphere* **194**: 381-389. <https://doi.org/10.1016/j.chemosphere.2017.11.165>
- Bener, S., Bulca, Ö., Palas, B., Tekin, G., Atalay, S., Ersöz, G., 2019, Electrocoagulation process for the treatment of real textile wastewater: Effect of operative conditions on the organic carbon removal and kinetic study. *Process Safety and Environmental Protection* **129**: 47-54. <https://doi.org/10.1016/j.psep.2019.06.010>
- Bigio, I. J., Mourant, J. R., 1997, Ultraviolet and visible spectroscopies for tissue diagnostics: fluorescence spectroscopy and elastic-scattering spectroscopy. *Physics in Medicine & Biology* **42**(5): 803. <https://doi.org/10.1088/0031-9155/42/5/005>
- Brinks, R., Tamayo, T., Kowall, B., Rathmann, W., 2012, Prevalence of type 2 diabetes in Germany in 2040: estimates from an epidemiological model.

- European journal of epidemiology* **27**(10): 791-797.
<https://doi.org/10.1007/s10654-012-9726-2>
- Butler, D., Ward, S., Sweetapple, C., Astaraie- Imani, M., Diao, K., Farmani, R., Fu, G., 2017, Reliable, resilient and sustainable water management: the Safe & SuRe approach. *Global Challenges* **1**(1): 63-77.
<https://doi.org/10.1002/gch2.1010>
- Carmer, S. G., Swanson, M. R., 1971, Detection of differences between means: a Monte Carlo study of five pairwise multiple comparison procedures 1. *Agronomy Journal* **63**(6): 940-945.
<https://doi.org/10.2134/agronj1971.00021962006300060036x>
- Castañeda, L. F., Walsh, F. C., Nava, J. L., de Leon, C. P., 2017, Graphite felt as a versatile electrode material: Properties, reaction environment, performance and applications. *Electrochimica Acta* **258**: 1115-1139.
<https://doi.org/10.1016/j.electacta.2017.11.165>
- Chen, F., Ye, J., Chio, C., Liu, W., Shi, J., Qin, W., 2020, A simplified quick microbial genomic DNA extraction via freeze–thawing cycles. *Molecular Biology Reports* **47**(1): 703-709. <https://doi.org/10.1007/s11033-019-05176-w>
- Crini, G., Lichtfouse, E., 2018, *Green adsorbents for pollutant removal: fundamentals and design*, Springer. <https://doi.org/10.1007/978-3-319-92111-2>
- Dai, Q., Xia, Y., Jiang, L., Li, W., Wang, J., Chen, J., 2012, Enhanced degradation of aspirin by electrochemical oxidation with modified PbO₂ electrode and hydrogen peroxide. *International Journal of Electrochemical Science* **7**(12): 12895-12906.
- Dai, Q., Zhou, J., Weng, M., Luo, X., Feng, D., Chen, J., 2016, Electrochemical oxidation metronidazole with Co modified PbO₂ electrode: Degradation and mechanism. *Separation and Purification Technology* **166**: 109-116.
<https://doi.org/10.1016/j.seppur.2016.04.028>
- Daneshvar, N., Oladegaragoze, A., Djafarzadeh, N., 2006, Decolorization of basic dye solutions by electrocoagulation: An investigation of the effect of operational parameters. *Journal of Hazardous Materials* **129**(1): 116-122.
<https://doi.org/10.1016/j.jhazmat.2005.08.033>
- Darvishmotevalli, M., Zarei, A., Moradnia, M., Noorisepehr, M., Mohammadi, H., 2019, Optimization of saline wastewater treatment using electrochemical oxidation process: prediction by RSM method. *MethodsX* **6**: 1101-1113.
<https://doi.org/10.1016/j.mex.2019.03.015>

- Deng, Y., Englehardt, J. D., 2007, Electrochemical oxidation for landfill leachate treatment. *Waste Management* **27**(3): 380-388. <https://doi.org/10.1016/j.wasman.2006.02.004>
- Droste, R. L., Gehr, R. L., 2018, *Theory and practice of water and wastewater treatment*, John Wiley & Sons.
- Ehrlich, L. W., 1967, A modified Newton method for polynomials. *Communications of the ACM* **10**(2): 107-108. <https://doi.org/10.1145/363067.363115>
- El-Ashtoukhy, E., Amin, N., Abdel-Aziz, M., 2012, Decolorization of acid brown and reactive blue dyes by anodic oxidation in a batch recycle electrochemical reactor. *International Journal of Electrochemical Science* **7**(11): 11137-11148.
- Evans, J. M., Donnelly, L. A., Emslie-Smith, A. M., Alessi, D. R., Morris, A. D., 2005, Metformin and reduced risk of cancer in diabetic patients. *BMJ* **330**(7503): 1304-1305. <https://doi.org/10.1136/bmj.38415.708634.F7>
- Faix, O., 1992, *Fourier transform infrared spectroscopy*. Methods in Lignin Chemistry, Springer: 233-241. https://doi.org/10.1007/978-3-642-74065-7_16
- Fajardo, A. S., Rodrigues, R. F., Martins, R. C., Castro, L. M., Quinta-Ferreira, R. M., 2015, Phenolic wastewaters treatment by electrocoagulation process using Zn anode. *Chemical Engineering Journal* **275**: 331-341. <https://doi.org/10.1016/j.cej.2015.03.116>
- Farhadi, S., Aminzadeh, B., Torabian, A., Khatibikamal, V., Fard, M. A., 2012, Comparison of COD removal from pharmaceutical wastewater by electrocoagulation, photoelectrocoagulation, peroxi-electrocoagulation and peroxi-photoelectrocoagulation processes. *Journal of Hazardous Materials* **219**: 35-42. <https://doi.org/10.1016/j.jhazmat.2012.03.013>
- Fernandes, A., Santos, D., Pacheco, M., Ciríaco, L., Lopes, A., 2016, Electrochemical oxidation of humic acid and sanitary landfill leachate: influence of anode material, chloride concentration and current density. *Science of the Total Environment* **541**: 282-291. <https://doi.org/10.1016/j.scitotenv.2015.09.052>
- Gaitonde, V., Karnik, S., Rubio, J. C., Correia, A. E., Abrao, A., Davim, J. P., 2008, Analysis of parametric influence on delamination in high-speed drilling of carbon fiber reinforced plastic composites. *Journal of Materials Processing Technology* **203**(1-3): 431-438. <https://doi.org/10.1016/j.jmatprotec.2007.10.050>

- Ganzenko, O., Huguenot, D., Van Hullebusch, E. D., Esposito, G., Oturan, M. A., 2014, Electrochemical advanced oxidation and biological processes for wastewater treatment: a review of the combined approaches. *Environmental Science and Pollution Research* **21**(14): 8493-8524. <https://doi.org/10.1007/s11356-014-2770-6>
- Ghanbari, F., Giannakis, S., Lin, K.-Y. A., Wu, J., Madihi-Bidgoli, S., 2021, Acetaminophen degradation by a synergistic peracetic acid/UVC-LED/Fe (II) advanced oxidation process: Kinetic assessment, process feasibility and mechanistic considerations. *Chemosphere* **263**: 128119. <https://doi.org/10.1016/j.chemosphere.2020.128119>
- Ghoshdastidar, A. J., Fox, S., Tong, A. Z., 2015, The presence of the top prescribed pharmaceuticals in treated sewage effluents and receiving waters in Southwest Nova Scotia, Canada. *Environmental Science and Pollution Research* **22**(1): 689-700. <https://doi.org/10.1007/s11356-014-3400-z>
- Gottschalk, C., Libra, J. A., Saupe, A., 2009, *Ozonation of water and waste water: A practical guide to understanding ozone and its applications*, John Wiley & Sons.
- Greenwood, R., Clark, J., Mills, G., Deswarte, F., Summerton, L., Touraud, E., Roig, B., 2010, *Chapter 8: Recommendations on research and development. Pharmaceuticals in the environment: current knowledge and need assessment to reduce presence and impact*, IWA publishing: 169-190.
- Hidup, M. N. L., 1995, *Keputusan Menteri Negara Lingkungan Hidup No. 58 Tahun 1995 Tentang: Baku Mutu Limbah Cair Bagi Kegiatan Rumah Sakit*, Menteri Negara Lingkungan Hidup Bidang Pengembangan Pengawasan dan Pengendalian.
- Hu, C., Muller-Karger, F. E., Zepp, R. G., 2002, Absorbance, absorption coefficient, and apparent quantum yield: A comment on common ambiguity in the use of these optical concepts. *Limnology and Oceanography* **47**(4): 1261-1267. <https://doi.org/10.4319/lo.2002.47.4.1261>
- Huschek, G., Hansen, P. D., Maurer, H. H., Kregel, D., Kayser, A., 2004, Environmental risk assessment of medicinal products for human use according to European Commission recommendations. *Environmental Toxicology* **19**(3): 226-240. <https://doi.org/10.1002/tox.20015>
- Inan, G., Zhang, Q., Li, P., Wang, Z., Cao, Z., Zhang, H., Zhang, C., Quist, T. M., Goodwin, S. M., Zhu, J., 2004, Salt cress. A halophyte and cryophyte Arabidopsis relative model system and its applicability to molecular genetic analyses of growth and development of extremophiles. *Plant physiology* **135**(3): 1718-1737. <https://doi.org/10.1104/pp.104.041723>

- Jiang, N., Zhao, Q., Xue, Y., Xu, W., Ye, Z., 2018, Removal of dinitrotoluene sulfonate from explosive wastewater by electrochemical method using Ti/IrO₂ as electrode. *Journal of Cleaner Production* **188**: 732-740. <https://doi.org/10.1016/j.jclepro.2018.04.030>
- Karri, R. R., Ravindran, G., Dehghani, M. H., 2021, *Wastewater—sources, toxicity, and their consequences to human health*. Soft computing techniques in solid waste and wastewater management, Elsevier: 3-33. <https://doi.org/10.1016/B978-0-12-824463-0.00001-X>
- Katzung, B. G., 2017, *Basic & clinical pharmacology 14th edition*, McGraw Hill.
- Kesari, K. K., Verma, H. N., Behari, J., 2011, Physical methods in wastewater treatment. *International Journal of Environmental Technology and Management* **14**(1-4): 43-66. <http://dx.doi.org/10.1504/IJETM.2011.039257>
- Kobylin, P., Mäenpää, L., Roine, A., Anttila, K., 2014, *17. E-pH (Pourbaix) Diagrams Module*.
- Koelmel, J., Prasad, M., Velvizhi, G., Butti, S., Mohan, S. V., 2016, *Metalliferous waste in India and knowledge explosion in metal recovery techniques and processes for the prevention of pollution*. Environmental Materials and Waste, Elsevier: 339-390. <https://doi.org/10.1016/B978-0-12-803837-6.00015-9>
- Kosma, C. I., Lambropoulou, D. A., Albanis, T. A., 2015, Comprehensive study of the antidiabetic drug metformin and its transformation product guanylurea in Greek wastewaters. *Water Research* **70**: 436-448. <https://doi.org/10.1016/j.watres.2014.12.010>
- Kumar, N. S., Goel, S., 2010, Factors influencing arsenic and nitrate removal from drinking water in a continuous flow electrocoagulation (EC) process. *Journal of Hazardous Materials* **173**(1-3): 528-533. <https://doi.org/10.1016/j.jhazmat.2009.08.117>
- Kuokkanen, V., Kuokkanen, T., 2013, Recent applications of electrocoagulation in treatment of water and wastewater—a review. *Green and Sustainable Chemistry* **3**(2): 89-121. <http://dx.doi.org/10.4236/gsc.2013.32013>
- Lahkimi, A., Oturan, M. A., Oturan, N., Chaouch, M., 2007, Removal of textile dyes from water by the electro-Fenton process. *Environmental Chemistry Letters* **5**(1): 35-39. <https://doi.org/10.1007/s10311-006-0058-x>
- Latimer, W. M., 1938, *The oxidation states of the elements and their potentials in aqueous solutions*. New York, Prentice-Hall, inc.
- LoPachin, R. M., Gavin, T., DeCaprio, A., Barber, D. S., 2012, Application of the hard and soft, acids and bases (HSAB) theory to toxicant–target

- interactions. *Chemical Research in Toxicology* **25**(2): 239-251. <https://doi.org/10.1021/tx2003257>
- Luo, Y., Guo, W., Ngo, H. H., Nghiem, L. D., Hai, F. I., Zhang, J., Liang, S., Wang, X. C., 2014, A review on the occurrence of micropollutants in the aquatic environment and their fate and removal during wastewater treatment. *Science of The Total Environment* **473**: 619-641. <https://doi.org/10.1016/j.scitotenv.2013.12.065>
- Mallesh, B., 2018, A review of electrocoagulation process for wastewater treatment. *International Journal of ChemTech Research* **11**(3): 289-320. <http://dx.doi.org/10.20902/IJCTR.2018.110333>
- Mollah, M. Y. A., Schennach, R., Parga, J. R., Cocke, D. L., 2001, Electrocoagulation (EC) — science and applications. *Journal of Hazardous Materials* **84**(1): 29-41. [https://doi.org/10.1016/S0304-3894\(01\)00176-5](https://doi.org/10.1016/S0304-3894(01)00176-5)
- Moussa, D. T., El-Naas, M. H., Nasser, M., Al-Marri, M. J., 2017, A comprehensive review of electrocoagulation for water treatment: Potentials and challenges. *Journal of Environmental Management* **186**: 24-41. <https://doi.org/10.1016/j.jenvman.2016.10.032>
- Mukimin, A., Wijaya, K., Kuncaka, A., 2010, Electro-degradation of reactive blue dyes using cylinder modified electrode: Ti/ β -PbO₂ as dimensionally stable anode. *Indonesian Journal of Chemistry* **10**(3): 285-289. <https://doi.org/10.22146/ijc.21431>
- Mukimin, A., Wijaya, K., Kuncaka, A., 2012, Oxidation of remazol brilliant blue r (RB. 19) with in situ electro-generated active chlorine using Ti/PbO₂ electrode. *Separation and Purification Technology* **95**: 1-9. <https://doi.org/10.1016/j.seppur.2012.04.015>
- Mushtaq, N., Singh, D. V., Bhat, R. A., Dervash, M. A., Hameed, O. b., 2020, *Freshwater contamination: sources and hazards to aquatic biota*. Fresh Water Pollution Dynamics and Remediation, Springer: 27-50. https://doi.org/10.1007/978-981-13-8277-2_3
- Naje, A. S., Chelliapan, S., Zakaria, Z., Ajeel, M. A., Alaba, P. A., 2017, A review of electrocoagulation technology for the treatment of textile wastewater. *Reviews in Chemical Engineering* **33**(3): 263-292. <https://doi.org/10.1515/revce-2016-0019>
- Nancharaiah, Y. V., Venkata Mohan, S., Lens, P. N., 2015, Metals removal and recovery in bioelectrochemical systems: A review. *Bioresour Technol* **195**: 102-114. [10.1016/j.biortech.2015.06.058](https://doi.org/10.1016/j.biortech.2015.06.058)

- Nariyan, E., Aghababaei, A., Sillanpää, M., 2017, Removal of pharmaceutical from water with an electrocoagulation process; effect of various parameters and studies of isotherm and kinetic. *Separation and Purification Technology* **188**: 266-281. <https://doi.org/10.1016/j.seppur.2017.07.031>
- Natarajan, R., Al Fazari, F., Al Saadi, A., 2018, Municipal waste water treatment by natural coagulant assisted electrochemical technique—Parametric effects. *Environmental technology & innovation* **10**: 71-77. <https://doi.org/10.1016/j.eti.2018.01.011>
- Niemuth, N. J., Jordan, R., Crago, J., Blanksma, C., Johnson, R., Klaper, R. D., 2015, Metformin exposure at environmentally relevant concentrations causes potential endocrine disruption in adult male fish. *Environmental Toxicology and Chemistry* **34**(2): 291-296. <https://doi.org/10.1002/etc.2793>
- Paudyal, N., Anihouvi, V., Hounhouigan, J., Matsheka, M. I., Sekwati-Monang, B., Amoa-Awua, W., Atter, A., Ackah, N. B., Mbugua, S., Asagbra, A., 2017, Prevalence of foodborne pathogens in food from selected African countries—A meta-analysis. *International Journal of Food Microbiology* **249**: 35-43. <https://doi.org/10.1016/j.ijfoodmicro.2017.03.002>
- Perry, S., Gateman, S., Stephens, L., Lacasse, R., Schulz, R., Mauzeroll, J., 2019, Pourbaix diagrams as a simple route to first principles corrosion simulation. *Journal of The Electrochemical Society* **166**(11): C3186. <https://doi.org/10.1149/2.0111911jes>
- Popescu, M., Sandu, C., Rosales, E., Pazos, M., Lazar, G., Sanromán, M. Á., 2018, Evaluation of different cathodes and reaction parameters on the enhancement of the electro-Fenton process. *Journal of Electroanalytical Chemistry* **808**: 455-463. <https://doi.org/10.1016/j.jelechem.2017.04.047>
- Pourbaix, M., 1974, *Atlas of Electrochemical Equilibria in Aqueous Solutions*. Texas, National Association of Corrosion Engineers.
- Poza-Nogueiras, V., Rosales, E., Pazos, M., Sanromán, M. Á., 2018, Current advances and trends in electro-Fenton process using heterogeneous catalysts – A review. *Chemosphere* **201**: 399-416. <https://doi.org/10.1016/j.chemosphere.2018.03.002>
- Prashanth, V., Priyanka, K., Remya, N., 2021, Solar photocatalytic degradation of metformin by TiO₂ synthesized using *Calotropis gigantea* leaf extract. *Water Science and Technology* **83**(5): 1072-1084. <https://doi.org/10.2166/wst.2021.040>
- Raissi, S., Farsani, R.-E., 2009, Statistical process optimization through multi-response surface methodology. *International Journal of Mathematical,*

Computational, Physical, Electrical and Computer Engineering **3**(3): 197-201.

- Sahu, O., 2019, Suitability of aluminum material on sugar industry wastewater with chemical and electrochemical treatment processes. *International Journal of Industrial Chemistry* **10**(4): 335-347. 10.1007/s40090-019-00196-8
- Sahu, O., Rao, D. G., Thangavel, A., Ponnappan, S., 2018, Treatment of sugar industry wastewater using a combination of thermal and electrocoagulation processes. *International Journal of Sustainable Engineering* **11**(1): 16-25. <https://doi.org/10.1080/19397038.2017.1334098>
- Salani, B., Del Rio, A., Marini, C., Sambuceti, G., Cordera, R., Maggi, D., 2014, Metformin, cancer and glucose metabolism. *Endocrine-related cancer* **21**(6): R461-R471. <https://doi.org/10.1530/erc-14-0284>
- Sen, S., Prajapati, A. K., Bannatwala, A., Pal, D., 2019, Electrocoagulation treatment of industrial wastewater including textile dyeing effluent—a review. *Desalination and Water Treatment* **161**: 21-34. <https://doi.org/10.5004/dwt.2019.24302>
- Silverstein, R. M., Webster, F. X., Kiemle, D., Bryce, D. L., 2014, *Spectrometric Identification of Organic Compounds - 8th Edition*, Wiley.
- Šima, J., 2013, Redox reactions: inconsistencies in their description. *Foundations of Chemistry* **15**(1): 57-64. <https://doi.org/10.1007/s10698-011-9143-8>
- Sinclair, C. J., 2009, *Predicting the environmental fate and ecotoxicological and toxicological effects of pesticide transformation products* doctoral thesis, University of York.
- Sinclair, C. J., Boxall, A. B., 2003, Assessing the ecotoxicity of pesticide transformation products. *Environmental Science & Technology* **37**(20): 4617-4625. <https://doi.org/10.1021/es030038m>
- Singh, R., 2014, Microorganism as a tool of bioremediation technology for cleaning environment: a review. *Proceedings of the International Academy of Ecology and Environmental Sciences* **4**(1): 1-6.
- Soldi, D., Candelieri, A., Archetti, F., 2015, Resilience and Vulnerability in Urban Water Distribution Networks through Network Theory and Hydraulic Simulation. *Procedia Engineering* **119**: 1259-1268. <https://doi.org/10.1016/j.proeng.2015.08.990>
- Syam Babu, D., Anantha Singh, T., Nidheesh, P., Suresh Kumar, M., 2020, Industrial wastewater treatment by electrocoagulation process. *Separation*

Science and Technology **55**(17): 3195-3227.
<https://doi.org/10.1080/01496395.2019.1671866>

- Tarpani, R. R. Z., Azapagic, A., 2018, Life cycle environmental impacts of advanced wastewater treatment techniques for removal of pharmaceuticals and personal care products (PPCPs). *Journal of Environmental Management* **215**: 258-272. <https://doi.org/10.1016/j.jenvman.2018.03.047>
- Triyati, E., 1985, Spektrofotometer ultra-violet dan sinar tampak serta aplikasinya dalam oseanologi. *Oseana* **10**(1): 39-47.
- Vepsäläinen, M., Kivisaari, H., Pulliainen, M., Oikari, A., Sillanpää, M., 2011, Removal of toxic pollutants from pulp mill effluents by electrocoagulation. *Separation and Purification Technology* **81**(2): 141-150. <https://doi.org/10.1016/j.seppur.2011.07.017>
- Vepsäläinen, M., Pulliainen, M., Sillanpää, M., 2012, Effect of electrochemical cell structure on natural organic matter (NOM) removal from surface water through electrocoagulation (EC). *Separation and Purification Technology* **99**: 20-27. <https://doi.org/10.1016/j.seppur.2012.08.011>
- Vogel, A. I., 1979, *A text-book of macro and semimicro qualitative inorganic analysis - 5th Edition*, London Longman.
- Waclawek, S., Lutze, H. V., Grübel, K., Padil, V. V., Černík, M., Dionysiou, D. D., 2017, Chemistry of persulfates in water and wastewater treatment: a review. *Chemical Engineering Journal* **330**: 44-62. <https://doi.org/10.1016/j.cej.2017.07.132>
- Wang, Y., Pan, Z., Qin, D., Bai, S., Peng, Q., 2018, Preparation of Ce-TiO₂/carbon aerogel electrode and its performance in degradation of 4-chlorophenol. *Journal of Rare Earths* **36**(4): 374-378. <https://doi.org/10.1016/j.jre.2017.10.006>
- Weller, M., Overton, T., Rourke, J., 2018, *Inorganic Chemistry - 7th Edition*, Oxford University Press.
- Yang, N., Waldvogel, S. R., Jiang, X., 2016, Electrochemistry of carbon dioxide on carbon electrodes. *ACS applied materials & interfaces* **8**(42): 28357-28371. <https://doi.org/10.1021/acsami.5b09825>
- Zhang, M., Song, X., Ou, X., Tang, Y., 2019, Rechargeable batteries based on anion intercalation graphite cathodes. *Energy Storage Materials* **16**: 65-84. <https://doi.org/10.1016/j.ensm.2018.04.023>
- Zongo, I., Maiga, A. H., Wethe, J., Valentin, G., Leclerc, J.-P., Paternotte, G., Lopicque, F., 2009, Electrocoagulation for the treatment of textile wastewaters with Al or Fe electrodes: Compared variations of COD levels,

turbidity and absorbance. *Journal of Hazardous Materials* **169**(1-3): 70-76.
<https://doi.org/10.1016/j.jhazmat.2009.03.072>



SEKOLAH PASCASARJANA