



Laporan Hasil Penelitian  
“Pengaruh Tegangan dan Waktu Kontak Pada Proses Pengolahan  
Limbah Cair Laundry Menggunakan Metode Elektrokoagulasi”

---

**DAFTAR PUSTAKA**

- Al-Idrus, S., 2020, ‘Analysis of Detergent Waste Absorption Using Water Spinach (*Ipomoea aquatica*)’, *Journal of Science and Science Education 2.1*, pp. 17-21.
- Atkins, P.W. & De Paula, J. 2006, *Atkins' Physical Chemistry. 8th Edition*, Oxford University Press, New York.
- Aufar, D.V.G. & Muzayanah, M.T., 2020, ‘Analisis Kualitas Air Sungai Pada Aliran Sungai Kali Surabaya’, *Swara Bhumi*, Vol. 1, No. 1.
- Bagotsky, V.S 2006, *Fundamentals of Electrochemistry*, John Wiley & Sons, New Jersey
- Bajpai, 2007, ‘Laundry detergents: an overview’, *Journal of oleo science*, Vol. 56, No. 7, pp. 327-340.
- Boyd, C.E 2011, ‘The Chemical Oxygen Demand of Waters and Biological Materials from Ponds’, *Transactions of the American Fisheries Society*, pp. 606
- Chang, R 2010, *Chemistry 10th edition*, The McGraw-Hill Companies, New York.
- Chapman, D 1996, *Water Quality Assessments*, Taylor & Francis e-Library, Oxfordshire
- Chen, J.P., Chang, S.Y., Hung, Y.T., 2005, *Handbook of Environmental Engineering*, Humana Press, New Jersey.
- Cheremisinoff, N.P., 2002, *Handbook of Water And Wastewater Treatment Technologies*, Butterworth-Heinemann, United States of America.
- Comninellis, C. 2010, *Electrochemistry For The Environment*, Springer New York, New York.
- Firmansyah, Y.W., Setiani, O. & Darundiati, Y.H., 2021, ‘Kondisi Sungai di Indonesia Ditinjau dari Daya Tampung Beban Pencemaran: Studi Literatur’, *Jurnal Serambi Engineering*, Vol. 6, No. 2.



Laporan Hasil Penelitian  
“Pengaruh Tegangan dan Waktu Kontak Pada Proses Pengolahan  
Limbah Cair Laundry Menggunakan Metode Elektrokoagulasi”

---

- Gasmi, A., Ibrahimi, S., Elboughdiri, N., Tekaya, M.A., Ghernaout, D., Hannachi, A., Mesloub, A., Ayadi, B. and Kolsi, L., 2022, ‘Comparative study of chemical coagulation and electrocoagulation for the treatment of real textile wastewater: Optimization and operating cost estimation’, *ACS omega*, Vol. 7, No. 26, pp.22456-22476.
- Gemala, M & Oktarizal, H, 2019, ‘Rancang Bangun Alat Penyaringan Air Limbah Laundry’, *Chempublish Journal*, Vol. 4, No. 1, pp. 38-43.
- Irianto, K., 2016, *Penanganan Limbah Cair*, Universitas Warmadewa Denpasar, Denpasar.
- Iswanto, B., 2016, ‘Teknologi elektrokoagulasi hasil penelitian untuk pengolahan limbah domestik’, *Indonesian Journal of Urban and Environmental Technology*, Vol. 5, No. 4, pp. 113-116.
- Jeffery, G.H., 1989, *Vogel’s Textbook of Quantitative Chemical Analysis Fifth Edition*, John Willey & Sons, New York.
- Jern, N.W., 2006, *Industrial Wastewater Treatment*, Imperial College Press, Singapore.
- Kleperis, J. 2012, *Electrolysis*, InTech, Rijeka.
- Liu, Y., Zhang, X., Jiang, W., Wu, M., & Li, Z., 2021, ‘Comprehensive Review of Floc Growth and Structure Using Electrocoagulation: Characterization, Measurement, and Influencing Factors’, *Chemical Engineering Journal*, Vol. 417
- Mahmoud, M.S 2013, ‘Enhanced Removal Of Methylene Blue By Electrocoagulation Using Iron Electrodes’, *Egyptian Journal Of Petroleum*, pp. 213
- McDougall, F., White, P., Franke, F., & Hindle, P. 2001., *Integrated Solid Waste Management: a Life Cycle Inventory*, Blacwell Science, Oxford.
- Metcalf & Eddy, 2003, *Wastewater Engineering, Treatment and Reuse. (4th ed)*, McGraw-Hill Book, New York.
- Mondal, S 2018, *Advances in Dye Removal Technologies*, Springer Nature Singapore, Beach Road.
-



Laporan Hasil Penelitian  
“Pengaruh Tegangan dan Waktu Kontak Pada Proses Pengolahan  
Limbah Cair Laundry Menggunakan Metode Elektrokoagulasi”

---

- Mouedhen, G 2008, ‘Behavior Of Aluminium Electrodes In Electrocoagulation Process’, *Journal Of Hazardous Materials*, pp.130
- Peraturan Gubernur Jawa Timur Nomor 72 Tahun 2013 tentang BakuMutu Air Limbah Bagi Industri dan/atau Kegiatan Usaha Lainnya.
- Ponto, H. 2019, *Dasar Teknik Listrik*, Deepublish Publisher, Yogyakarta.
- Rajeshwar, K. & Ibanez, J., 1997, *Environmental Electrochemistry Fundamentals and Applications in Pollution Abatement*, Academic Press, London.
- Scott, K 1995, *Handbook of Industrial Membranes 2nd Edition*, Elsevier Science, Oxford.
- Seneviratne, M., 2007, *A practical approach to water conservation for commercial and industrial facilities*, Elsevier/Butterworth-Heinemann, . Amsterdam.
- Silberg, 2015, *Chemistry : The Molecular Nature Of Matter And Change*, Mc Graw Hill, New York
- Simanjuntak, W 2007, ‘ Pengolahan Limbah Cair Industri Kecap dengan Metode Elektrokoagulasi’, *Jurnal Sains MIPA*, Vol.13, No.2.
- Singal, R.K 2008, *Fundamentals of Machining and Machine Tool*, I.K International Publishing House, New Delhi.
- Smulders, E., 2002, *Laundry Detergents*, Wiley-VCH, Weinheim.
- Sopiah, R. N. 2004, ‘Pengelolaan limbah deterjen sebagai upaya minimalisasi polutan di badan air dalam rangka pembangunan berkelanjutan’, *Balai Teknologi Lingkungan-BPP, Teknologi Serpong*.
- Spellman, F.R 2012, *Environmental Health And Science Desk Reference*, Government Institutes, United Kingdom.
- Srivastava, S., 2010, *Novel Biomaterials Decontamination of Toxic Metals from Wastewater*, Springer Verlag Berlin, Berlin.
- Taufik, I. 2006, ‘Pencemaran Deterjen dalam Perairan dan Dampaknya terhadap Organisme Air’, *Media Akuakultur*, Vol. 1, No. 1.
- Vepsalainen, M., 2012, *Electrocoagulation in the Treatment of Industrial Waters And Wastewaters*, VTT, Finlandia.
-



Laporan Hasil Penelitian  
“Pengaruh Tegangan dan Waktu Kontak Pada Proses Pengolahan  
Limbah Cair Laundry Menggunakan Metode Elektrokoagulasi”

---

- Vepsalainen, M., & Sillanpaa, M., 2020, *Advanced Water Treatment, Electrochemical Methods. 1st Edition*, Elsevier, Oxford.
- U.S Environmental Protection Agency, 1975, *Development Document For Interim Final Effluent Limitation Guidelines And Proposed New Source Performance Standards For The Zinc*, U.S Environmental Protection Agency, New York
- Yoder, C.H 1980, *Chemistry Second Edition*, Harcourt Brace Jovanovich, New York.
- Yu, Y., Zhao, J., & Bayly, A.E. 2008, ‘Development of Surfactants and Builders in Detergent Formulations’, *Chinese Journal of Chemical Engineering*, Vol. 16, No. 4, pp. 517-527.
- Zoski, C.G. 2007, *Handbook of Electro-chemistry*, Elsevier Science, Amsterdam.
- .