

DAFTAR PUSTAKA

- Abriyani, E., Widyaningsih, A., Pangestu, An. D., Dewi, S. R., dan Setiawan, S., 2023, Literatur Riview : Penetapan Kadar Salbutamol Sediaan Tablet Secara Spektrofotometri Ultraviolet, *Jurnal Pendidikan dan Konseling*, 5(1), 813–822.
- Agus, J., dan Adiantoro, D., 2012, Analisis Kerusakan X-Ray Fluoresence (XRF), *Pusat Teknologi Bahan Bakar Nuklir, 09-10 / Ta(XRF)*, 19–28.
- Akter, T., Protity, A. T., Shaha, M., Al Mamun, M., dan Hashem, A., 2023, *The Impact of Textile Dyes on the Environment BT - Nanohybrid Materials for Treatment of Textiles Dyes* (A. Ahmad, M. Jawaid, M. N. Mohamad Ibrahim, A. A. Yaqoob, & M. B. Alshammari (ed.); hal. 401–431), Springer Nature Singapore. https://doi.org/10.1007/978-981-99-3901-5_17
- Ali Akbar, S., 2021, Degradation of Carmoisine by Fenton Reagent: Optimization of Degradation Parameters, *Jurnal Penelitian Kimia dan Pendidikan Kimia*, 4(2), 9–15.
- Ali, R. M., Hendrawati, T. Y., Ismiyati, dan Fithriyah, N. H., 2020, Pengaruh Jenis Adsorben terhadap Efektifitas Penurunan Kadar Timbal Limbah Cair Recycle Aki Bekas, *Jurnal Teknologi Universitas Muhammadiyah Jakarta*, 12(1), 87–92. <https://dx.doi.org/10.24853/jurtek.12.1.87-92>
- Ayoub, M., 2022, Fenton process for the treatment of wastewater effluent from the edible oil industry, *Water Science and Technology*, 86(6), 1388–1401. <https://doi.org/10.2166/wst.2022.283>
- Benkhaya, S., M'rabet, S., dan El Harfi, A., 2020, Classifications, properties, recent synthesis and applications of azo dyes, *Heliyon*, 6(1). <https://doi.org/10.1016/j.heliyon.2020.e03271>
- Chen, Z., Huang, K., Huang, G., Shan, X., Wei, L., Dong, H., dan Ruan, J., 2024, A clean process for liquid-phase synthesis of α -PbO based on the selective leaching of lead sulfate from spent lead paste, *Journal of Environmental Chemical Engineering*, 12(1), 111826. <https://doi.org/10.1016/j.jece.2023.111826>
- da Costa Soares, I. C., da Silva, D. R., do Nascimento, J. H. O., Garcia-Segura, S., dan Martínez-Huitle, C. A., 2017, Functional group influences on the reactive azo dye decolorization performance by electrochemical oxidation and electro-Fenton technologies, *Environmental Science and Pollution Research*, 24(31), 24167–24176. <https://doi.org/10.1007/s11356-017-0041-z>
- Dewi, L., dan Hadisoebroto, G., 2021, Penentuan Kadar Logam Timbal (Pb) dan

- Tembaga (Cu) Pada Sumbar Air di Kawasan Gunung Salak Kabupaten Sukabumi dengan Metode Spektrofometri Serapan Atom (SSA), *Jurnal Sabdariffarma*, 9(2), 15–24. <https://doi.org/10.53675/jsfar.v3i2.393>
- Dewi, Widodo, D. S., dan Haris, A., 2013, Elektroekolorisasi limbah cair zat warna batik dengan elektroda PbO₂/Pb, *Chem Info Journal*, 1(024), 1–7.
- Dimawarnita, F., Syarif, A. M., Faramitha, Y., Prakoso, H. T., Dimawarnita, F., Syarif, A. M., Faramitha, Y., dan Widiastuti, H., 2022, Dekolorisasi pewarna tekstil menggunakan teknik batch dan rotary biological contactor dengan tiga jenis agen hayati decolorization of textile dyes using batch and rotary biological contactor techniques with three types of biological agents, *Jurnal Teknologi Industri Pertanian*, 32(3), 295–304.
- Ehrampoush, M. H., dan Ghaneian, M. T., 2011, Equilibrium and Kinetics Study of Reactive Red 123 Dye Removal From Aqueous Solution By Adsorption on, *Iranian Journal of Environmental Health Science & Engineering*, 8(2), 101–108.
- Ferreira, S. L. C., Bezerra, M. A., Santos, A. S., dos Santos, W. N. L., Novaes, C. G., de Oliveira, O. M. C., Oliveira, M. L., dan Garcia, R. L., 2018, Atomic absorption spectrometry – A multi element technique, *TrAC - Trends in Analytical Chemistry*, 100, 1–6. <https://doi.org/10.1016/j.trac.2017.12.012>
- Fitrya, N., Halwani, P., dan Wirman, S. P., 2023, Uji Karakteristik Elektrolit Ampas Kulit Nanas dengan Penambahan MgCl₂, NaCl, dan KCl, *Photon: Jurnal Sains dan Kesehatan*, 13(2), 35–40. <https://ejurnal.umri.ac.id/index.php/photon/article/view/4394>
- Ghernaout, D., Elboughdiri, N., dan Ghareba, S., 2020, Fenton Technology for Wastewater Treatment: Dares and Trends, *OALib*, 07(01), 1–26. <https://doi.org/10.4236/oalib.1106045>
- González, M. F., Saadatkah, N., dan Patience, G. S., 2024, Experimental methods in chemical engineering: X-ray fluorescence—XRF, *Canadian Journal of Chemical Engineering*, 102(6), 2004–2018. <https://doi.org/10.1002/cjce.25218>
- Goswami, A., Jiang, J. Q., dan Petri, M., 2021, Treatability of five micro-pollutants using modified Fenton reaction catalysed by zero-valent iron powder (Fe(0)), *Journal of Environmental Chemical Engineering*, 9(4), 105393. <https://doi.org/10.1016/j.jece.2021.105393>
- Gunawan, G., Prasetya, N. B. A., Widodo, D. S., dan Wijaya, R. A., 2023, Electrochemical Degradation of Methylene Blue With Seawater and Pb/PbO₂ Electrodes From Battery Waste, *Karbala International Journal of Modern Science*, 9(4), 725–741. <https://doi.org/10.33640/2405-609X.3333>

- Hanafy, H., Sellaoui, L., Thue, P. S., Lima, E. C., Dotto, G. L., Alharbi, T., Belmabrouk, H., Bonilla-Petriciolet, A., dan Lamine, A. Ben, 2020, Statistical physics modeling and interpretation of the adsorption of dye remazol black B on natural and carbonized biomasses, *Journal of Molecular Liquids*, 299. <https://doi.org/10.1016/j.molliq.2019.112099>
- Handoyo Sahumena, M., Ruslin, R., Asriyanti, A., dan Nurrohwinta Djuwarno, E., 2020, Identifikasi Jamu Yang Beredar Di Kota Kendari Menggunakan Metode Spektrofotometri Uv-Vis, *Journal Syifa Sciences and Clinical Research*, 2(2), 65–72. <https://doi.org/10.37311/jsscr.v2i2.6977>
- Haque, M. M., Haque, M. A., Mosharaf, M. K., dan Marcus, P. K., 2021, Decolorization, degradation and detoxification of carcinogenic sulfonated azo dye methyl orange by newly developed biofilm consortia, *Saudi Journal of Biological Sciences*, 28(1), 793–804. <https://doi.org/10.1016/j.sjbs.2020.11.012>
- Hasibuan, M., Setiyo, D., dan Ariadi, R., 2018, *Decolorization of Remazol BlackB Solution by PbO2 Modified Fenton Method in a Scaled Up Reactor*, 100(2), 59–63. <https://doi.org/10.14710/jksa.21.2.59-63>
- Ilyas, H. M., Tabish, M., Xiong, J., Mubeen, M., Sharma, B. P., Malik, M. U., Ali, M. U., Alotaibi, K. M., Ansari, M. Z., Kumar, A., dan Yasin, G., 2024, α -PbO Recovery from Spent Lead Paste by Coalesced Reduction and Sulfur Fixation, *Industrial & Engineering Chemistry Research*, 63(10), 4509–4518. <https://doi.org/10.1021/acs.iecr.3c04186>
- Kastanek, F., Spacilova, M., Krystynik, P., Dlaskova, M., dan Solcova, O., 2023, Fenton Reaction–Unique but Still Mysterious, *Processes*, 11(2). <https://doi.org/10.3390/pr11020432>
- Khopsoh, B., Diyaningsih, M. V., dan Haryuni, N., 2022, Penggunaan H₂O₂ (Hidrogen Peroksida) untuk Mengurangi Kadar Coliform Air Pada Peternakan Ayam Petelur di Kabupaten Blitar, *Briliant: Jurnal Riset dan Konseptual*, 7(1), 187. <https://doi.org/10.28926/briliant.v7i1.802>
- Kida, M., Ziembowicz, S., dan Koszelnik, P., 2019, Impact of a modified fenton process on the degradation of a component leached from microplastics in bottom sediments, *Catalysts*, 9(11). <https://doi.org/10.3390/catal9110932>
- Lai, K. C., Tee, W. T., Loh, N. Y. L., Hiew, B. Y. Z., Gan, S., dan Lee, L. Y., 2024, Continuous adsorption of Metanil Yellow and Remazol Black B dyes onto fixed-bed of 3D graphene oxide/chitosan biopolymer, *South African Journal of Chemical Engineering*, 48(February), 276–284. <https://doi.org/10.1016/j.sajce.2024.02.007>
- Lambertz, S., Franke, M., Stelter, M., dan Braeutigam, P., 2023, Sensing of

chemical oxygen demand (COD) by amperometric detection—dependence of current signal on concentration and type of organic species, *Environmental Monitoring and Assessment*, 195(6), 1–15. <https://doi.org/10.1007/s10661-023-11228-3>

Lolo, A., Patandean, C. F., dan Ruslan, E., 2020, Karakterisasi Air Daerah Panas Bumi Pencong Dengan Metode Aas (Atomic Absorption Spectrophotometer) Di Kecamatan Biringbulu, Kabupaten Gowa Propinsi Sulawesi Selatan, *Jurnal Geoelebes*, 4(2), 102–110. <https://doi.org/10.20956/geoelebes.v4i2.8928>

Lumaela, A. K., Otok, B. W., dan Sutikno, S., 2013, Pemodelan Chemical Oxygen Demand (Cod) Sungai di Surabaya Dengan Metode Mixed Geographically Weighted Regression, *Jurnal Sains dan Seni ITS*, 2(1), 100–105.

Man, G. T., Iordache, A. M., Zgavarozea, R., dan Nechita, C., 2024, Recycling Lithium-Ion Batteries—Technologies, Environmental, Human Health, and Economic Issues—Mini-Systematic Literature Review, *Membranes*, 14(12), 1–21. <https://doi.org/10.3390/membranes14120277>

Marković, A., Savić, S., Kukuruzar, A., Konya, Z., Manojlović, D., Ognjanović, M., dan Stanković, D. M., 2023, Differently Prepared PbO₂/Graphitic Carbon Nitride Composites for Efficient Electrochemical Removal of Reactive Black 5 Dye, *Catalysts*, 13(2). <https://doi.org/10.3390/catal13020328>

Ngibad, K., 2023, Determination of Selenium, Lead, and Zinc Levels in Well Water Using the AAS Method, *Indonesian Journal of Chemistry and Environment*, 6(1), 1–7. <https://doi.org/10.21831/ijoc.v6i1.59206>

Patmawati, P., Widodo, D. S., Suyati, L., Khabibi, K., dan Haris, A., 2023, Modifikasi Metode Fenton pada Dekolorisasi Limbah Pewarna Remazol Black B dengan Oksida Timbal Hasil Sintesis pada Variasi Molar Pb²⁺ dan NaOH, *Greensphere: Journal of Environmental Chemistry*, 2(2), 23–29. <https://doi.org/10.14710/gjec.2022.16776>

Prasetya, N. B. A., Suropto, S. J., Haris, A., Ngadiwiyana, dan Mohammed, N. S., 2021, Synthesis of ferrate from ferrous sulfate using wet chemical approach and its application for remazol black B degradation: Optimization and kinetic studies, *Journal of Physics: Conference Series*, 1943(1). <https://doi.org/10.1088/1742-6596/1943/1/012184>

Putri, N. S., Rahim, A., Patiung, O., dan Afasedanja, M. M. T., 2023, Pengujian X-Ray Fluorescence Terhadap Kandungan Mineral Logam Pada Endapan Sedimen di Sungai Amamapare Kabupaten Mimika, Papua Tengah, *Jurnal Teknik AMATA*, 4(1), 6–10. <https://doi.org/10.55334/jtam.v4i1.104>

Santosa, H., dan Yuliati, 2022, Scientific Journal Widya Teknik, *Scientific Journal Widya Teknik*, 21(1), 14–20.

- Sekulic, T., Jovanović, V. S., dan Kostić, V., 2024, *GeoGebra Interactive Simulations in Analytical Chemistry Education : Example of, September*, 190–195. <https://doi.org/10.46793/TIE24.190S>
- Selvankumar, T., Sudhakar, C., dan Govarathanan, M., 2020, Microbial Removal of Dye Stuffs, *Microbial Biodegradation of Xenobiotic Compounds, February 2020*, 95–110. <https://doi.org/10.1201/b22151-6>
- Setiawan, O., dan Widayanti, Q., 2023, *Pengolahan Limbah Laundry Dengan Metode Elektrokoagulasi Secara Kontinyu*, 11(101), 71–77. <http://repository.upnjatim.ac.id/6545/%0Ahttp://repository.upnjatim.ac.id/6545/8/1552010059.-cover.pdf>
- Setiyanto, H., 2016, Study on the Fenton Reaction for Degradation of Remazol Red B in Textile Waste Industry, *Molekul*, 11(2), 168. <https://doi.org/10.20884/1.jm.2016.11.2.212>
- Setyaningrum, D., Anisa, Z., dan Rasyda, H., 2022, Pengujian Kadar Chemical Oxygen Demand (COD) pada Air Limbah Tinggi Kalsium Klorida Menggunakan Metode Refluks Terbuka, *Formosa Journal of Science and Technology*, 1(4), 353–362. <https://doi.org/10.55927/fjst.v1i4.1050>
- Spence, M. A., 2014, *Systems and methods for the hydrometallurgical recovery of lead from spent lead-acid batteries and the preparation of lead oxide for use in new lead-acid batteries.*, 2(12). <https://patents.google.com/patent/US9670565B2/en>
- Sugiyana, D., dan Soenoko, B., 2017, Identifikasi Mekanisme Fotokatalitik pada Degradasi Zat Warna Azo Reactive Black 5 Menggunakan Katalis Mikropartikel TiO₂, *Arena Tekstil*, 31(2). <https://doi.org/10.31266/at.v31i2.1939>
- Tapia-Tlatelpa, T., Trull, J., dan Romeral, L., 2019, In situ decolorization monitoring of textile dyes for an optimized UV-LED/TiO₂ reactor, *Catalysts*, 9(8), 1–15. <https://doi.org/10.3390/catal9080669>
- Yasmin, H. Z., 2023, Efektivitas Kombinasi Konsentrasi Hidrogen Peroksida (H₂O₂) Dan Waktu Kontak Sinar Ultraviolet-C Terhadap Penurunan Bakteri Coliform Pada Limbah Cair Rs Pku Muhammadiyah Surakarta, *Jurnal Kesehatan Masyarakat*, 11(1), 72–82. <https://doi.org/10.14710/jkm.v11i1.34578>
- Yunastyo, E. P., Apriyanto, A. E., Asmoro, A., Gunawan, K. S., dan Biyanto, T. R., 2017, Hazardous and Toxic Waste (B3) Reduction Program by Reuse GT Battery in PT. PJB UP Muara Tawar, *IOSR Journal of Environmental Science, Toxicology and Food Technology*, 11(06), 94–97. <https://doi.org/10.9790/2402-1106029497>

- Zhang, C., Ding, N., Pan, Y., Fu, L., dan Zhang, Y., 2024, The degradation pathways of contaminants by reactive oxygen species generated in the Fenton/Fenton-like systems, *Chinese Chemical Letters*, 35(10), 109579. <https://doi.org/10.1016/j.ccllet.2024.109579>
- Zou, C., Ma, C., Chen, F., Shao, X., Cao, L., dan Yang, J., 2022, Crystal facet controlled stable PbO₂ electrode for efficient degradation of tetracycline, *Journal of Electroanalytical Chemistry*, 914(January). <https://doi.org/10.1016/j.jelechem.2022.116330>