

DAFTAR PUSTAKA

- Ahmadi, S., dan Izanloo, C., 2023, Biosynthesis of iron oxide nanoparticles at different temperatures and its application for the removal of Zinc by plant mediated nanoparticle, as an eco-friendly nanoadsorbent, *Results in Chemistry*, 6, doi:10.1016/j.rechem.2023.101192
- Anggita, M. E., Haris, A., dan Widodo, D. S. J. J. K. S. d. A., 2022, Synthesis of Lead Oxide Using the Oxidizing Agent (NH₄)₂S₂O₈ with Various Amounts of NaOH for Decolorization of Remazol Black B Solution, 25,
- Anwar, C., dan Santosa, S. J., 2023, Adsorption of Fe³⁺, Pb²⁺ Cations Using TBKA and TBMTKA as Adsorbents: Study of pH Variations, Adsorption Capacity, and Contact Time, *Jurnal Teknologi Lingkungan*, 24, doi:doi.org/10.55981/jtl.2023.242
- Asiah, N., Sylvia, N., dan Bahri, S., 2022, Adsorpsi zat warna methylene blue menggunakan adsorben dari ampas teh pada kolom, *Chemical Engineering Journal Storage (CEJS)*, 2, doi:10.29103/cejs.v2i2.7030
- Azad, A., Zafar, H., Raza, F., dkk., 2023, Factors influencing the green synthesis of metallic nanoparticles using plant extracts: a comprehensive review, *Pharmaceutical Fronts*, 5, doi:10.1055/s-0043-1774289
- Baunsele, A. B., dan Missa, H., 2020, Kajian kinetika adsorpsi metilen biru menggunakan adsorben sabut kelapa, *Akta Kimia Indonesia*, 5, doi:10.12962/j25493736.v5i2.7791
- Bratovic, A., 2020, Synthesis, characterization, applications, and toxicity of lead oxide nanoparticles, *Lead Chemistry*, 10, doi:10.5772/intechopen.91362
- Chugh, D., Viswamalya, V., dan Das, B., 2021, Green synthesis of silver nanoparticles with algae and the importance of capping agents in the process, *Journal of Genetic Engineering and Biotechnology*, 19, doi:10.1186/s43141-021-00228-w
- Dutta, K., Mukhopadhyay, S., Bhattacharjee, S., dkk., 2001, Chemical oxidation of methylene blue using a Fenton-like reaction, *Journal of hazardous materials*, 84, doi:10.1016/S0304-3894(01)00202-3
- Elamin, N. Y., Eltom, E., dan Ramadan, R., 2023, Green synthesis of lead oxide nanoparticles, characterization, and adsorption study for removal of malachite green dye, *Asian Journal of Applied Chemistry Research*, 13, doi:10.9734/ajacr/2023/v13i2239
- Elawam, S., Morsi, W., Abou-Shady, H., dkk., 2016, Characterizations of Beta-lead Oxide “Massicot” Nano-particles, *British Journal of Applied Science & Technology*, 17, doi:10.9734/bjast/2016/28143

- Enrico, E., 2019, Dampak limbah cair industri tekstil terhadap lingkungan dan aplikasi tehnik eco printing sebagai usaha mengurangi limbah, *Moda*, 1, doi:10.37715/moda.v1i1.706
- Fadillah, E., 2022, Pengaplikasian prinsip-prinsip green chemistry dalam pelaksanaan pembelajaran kimia, *Jurnal Riset Rumpun Ilmu Teknik*, 1, doi:10.55606/jurritek.v1i1.2776
- Fajarwati, F. I., Sugiharto, E., dan Siswanta, D., 2016, Film of chitosan-carboxymethyl cellulose polyelectrolyte complex as methylene blue adsorbent, *EKSAKTA: Journal of Sciences and Data Analysis*, doi:10.20885/eksakta.vol16.iss1.art5
- Fajri, N., Prima, E. C., Riandi, R., dkk., 2024, Validasi Metode Analisis Konsentrasi Larutan Kopi berdasarkan Spektroskopi Absorpsi Cahaya, *JIPFRI (Jurnal Inovasi Pendidikan Fisika dan Riset Ilmiah)*, 8, doi:10.30599/jipfri.v8i1.2101
- Faradilla, C., Rahmaddiansyah, R., dan Hakim, L., 2022, Aspek pertumbuhan industri tekstil Indonesia dalam upaya mewujudkan pertumbuhan ekonomi: Analisis faktor-faktor yang mempengaruhi pertumbuhan industri tekstil, *Jurnal Ekonomi Dan Pembangunan*, 13, doi:10.22373/jep.v13i2.773
- Fariyah, N. I., dan Taufikurohmah, T., 2024, Green Synthesis Gold Nanoparticles using Bioreductant Red Shoot Leaf Extract (*Syzygium myrtifolium* Walp.) and Activity as Antioxidant, *Jurnal Pijar Mipa*, 19, doi:10.29303/jpm.v19i4.7171
- Fathoni, R. a., dan Purwanto, P., 2022, Studi kinetika degradasi limbah alkilbenzen sulfonat (abs) dengan proses elektro fenton, *Jurnal Chemurgy*, 6, doi:10.30872/cmg.v6i1.7746
- Groele, J., dan Foster, J., 2019, Hydrogen Peroxide Interference in Chemical Oxygen Demand Assessments of Plasma Treated Waters, *Plasma*, 2, doi:10.3390/plasma2030021
- Hakim, L., Dirgantara, M., dan Nawir, M., 2019, Karakterisasi struktur material pasir bongkahan galian golongan c dengan menggunakan X-Ray Difrraction (X-RD) di kota Palangkaraya, *Jurnal Jejaring Matematika dan Sains*, 1, doi:10.36873/jjms.v1i1.136
- Ilahi, R. A., Firdaus, M. L., dan Amir, H., 2021, Pemanfaatan nanopartikel emas (NPE) sebagai pendeteksi kadar asam urat pada urine dengan metode citra digital, *Jurnal Alotrop*, 5, doi:10.33369/atp.v5i2.17113

- Ishak, N. M., Kamarudin, S., dan Timmiati, S., 2019, Green synthesis of metal and metal oxide nanoparticles via plant extracts: an overview, *Materials Research Express*, 6, doi:10.1088/2053-1591/ab4458
- Jiang, J., Xie, N., Jiang, Y., dkk., 2022, Rapid photodegradation of methylene blue by laser-induced plasma, *RSC advances*, 12, doi:10.1039/D2RA03633A
- Kakame, D. Y., Wuntu, A. D., dan Koleangan, H., 2019, Degradasi dan Adsorpsi Zat Warna Methylene Blue Menggunakan Komposit Ag-Tulang Ikan Terkalsinasi, *CHEMISTRY PROGRESS*, 11, doi:10.35799/cp.11.2.2018.27940
- Khan, I., Saeed, K., Zekker, I., dkk., 2022, Review on methylene blue: its properties, uses, toxicity and photodegradation, *Water*, 14, doi:10.3390/w14020242
- Khan, Z. U. H., Gul, N. S., Mehmood, F., dkk., 2023, Green synthesis of lead oxide nanoparticles for photo-electrocatalytic and antimicrobial applications, *Frontiers in Chemistry*, 11, doi:10.3389/fchem.2023.1175114
- Kinnibrugh, T. L., Bazak, J. D., Karakoti, A., dkk., 2024, In situ characterization of metastable Pb₃O₅ and Pb₂O₃ phases during thermal decomposition of PbO₂ to PbO, *Inorganic Chemistry*, 63, doi:10.1021/acs.inorgchem.3c04482
- Lawtae, P., dan Tangsathitkulchai, C., 2021, The use of high surface area mesoporous-activated carbon from longan seed biomass for increasing capacity and kinetics of methylene blue adsorption from aqueous solution, *Molecules*, 26, doi:10.3390/molecules26216521
- Liu, Y., Zhao, Y., dan Wang, J., 2021, Fenton/Fenton-like processes with in-situ production of hydrogen peroxide/hydroxyl radical for degradation of emerging contaminants: Advances and prospects, *Journal of hazardous materials*, 404, doi:10.1016/j.jhazmat.2020.124191
- Lupu, G.-I., Orbeci, C., Bobirică, L., dkk., 2023, Key principles of advanced oxidation processes: A systematic analysis of current and future perspectives of the removal of antibiotics from wastewater, *Catalysts*, 13, doi:10.3390/catal13091280
- Mirzaei, Y., Gholami, A., Sheini, A., dkk., 2023, An origami-based colorimetric sensor for detection of hydrogen peroxide and glucose using sericin capped silver nanoparticles, *Scientific Reports*, 13, doi:10.1038/s41598-023-34299-1

- Muawanah, M., Afiah, N., dan Mashudi, E., 2020, Penetapan Kadar Hidrogen Peroksida (H₂O₂) pada Tahu dengan Metode Permanganometri, *Jurnal Medika*, 5, doi:10.53861/jmed.v5i2.179
- Mustakim, Z., 2024, Adsorption of methylene blue dyes using palm kernel shells as adsorbent, *Jurnal Integrasi Proses Dan Lingkungan*, 1, doi:10.30587/jipl.v1i2.7130
- Nugraha, W. D., 2025, *Pemanfaatan Ekstrak Kulit Nangka dalam Sintesis Hijau PbO untuk Dekolorisasi Methylene Blue Melalui Fenton-Like Method*, Universitas Diponegoro, Semarang.
- Oladoye, P. O., Ajiboye, T. O., Omotola, E. O., dkk., 2022, Methylene blue dye: Toxicity and potential elimination technology from wastewater, *Results in Engineering*, 16, doi:10.1016/j.rineng.2022.100678
- Omidtorshiz, A., Benam, M. R., Momennezhad, M., dkk., 2023, Green synthesis of lead oxide nanoparticles using Ocimum basilicum extract: Photocatalytic assessment and cytotoxicity effects, *Inorganic Chemistry Communications*, 158, doi:10.1016/j.inoche.2023.111575
- Piro, S. J., Hamad, S. M., Barzinjy, A. A., dkk., 2023, Green tea extract mediated biosynthesis of lead oxide nanoparticles: characterization, and catalytical activity, *Bioresource Technology Reports*, 24, doi:10.1016/j.biteb.2023.101612
- Pracheta, M., dan Singh, L., 2009, Effect of Lead Nitrate-Pb (No₃)₂ on Plant Nutrition, as Well as Physical and Chemical Parameters on Lobia (Vigna unguiculata Linn. Walp.), *Journal of Plant Development Sciences*, 1,
- Rarata, G., Rokicka, K., dan Surmacz, P., 2016, Hydrogen peroxide as a high energy compound optimal for propulsive applications, *Central European Journal of Energetic Materials*, 13, doi:10.22211/cejem/65005
- Ratnawati, N. A., Prasetya, A. T., dan Rahayu, E. F., 2019, Validasi metode pengujian logam berat timbal (Pb) dengan destruksi basah menggunakan FAAS dalam sedimen sungai banjir kanal barat Semarang, *Indonesian Journal of Chemical Science*, 8,
- Sahdiah, H., dan Kurniawan, R., 2023, Optimasi Tegangan Akselerasi pada Scanning Electron Microscope–Energy Dispersive X-Ray Spectroscopy (SEM-EDX) untuk Pengamatan Morfologi Sampel Biologi, *Jurnal Sains Dan Edukasi Sains*, 6, doi:10.24246/juses.v6i2p117-123
- Sahumena, M. H., Ruslin, R., Asriyanti, A., dkk., 2020, Identifikasi jamu yang beredar di kota Kendari menggunakan metode spektrofotometri UV-Vis,

Journal Syifa Sciences and Clinical Research, 2,
doi:10.37311/jsscr.v2i2.6977

- Santoso, J., dan Riyanta, A. B., 2015, Analisis Kandungan Krom Yang Terdapat Pada Sungai Kelurahan Pesurungan Kidul, *Parapemikir: Jurnal Ilmiah Farmasi*, 4,
- Sari, D. N., Amelia, D., Ramadhon, M. D., dkk., 2021, Pemanfaatan metode Fenton dalam pengolahan limbah cair industri sawit, *Proceedings of National Colloquium Research and Community Service*, 5,
doi:10.33019/snppm.v5i0.2725
- Septiano, A. F., Susilo, S., dan Setyaningsih, N. E., 2021, Analisis Citra Hasil Scanning Electron Microscopy Energy Dispersive X-Ray (SEM EDX) Komposit Resin Timbal dengan Metode Contrast to Noise Ratio (CNR), *Indonesian Journal of Mathematics and Natural Sciences*, 44,
doi:10.15294/ijmns.v44i2.33143
- Setyaningrum, D., Anisa, Z., dan Rasyda, H. P., 2022, Pengujian kadar chemical oxygen demand (COD) pada air limbah tinggi kalsium klorida menggunakan metode refluks terbuka, *Formosa Journal of Science and Technology*, 1, doi:10.55927/fjst.v1i4.1050
- Shehu, G., 2015, Two ideas of redox reaction: Misconceptions and their challenges in chemistry education, *IOSR Journal of Research & Method in Education (IOSR-JRME)*, 5, doi:10.6084/M9.FIGSHARE.1344556
- Sugito, S., dan Setiawan, A. K. R., 2022, Uji Performa AAS Thermo Ice 3000 Terhadap Logam Cu Menggunakan CRM 500 dan CRM 697 Di UPT Laboratorium Terpadu UNS, *Jurnal Pengelolaan Laboratorium Pendidikan*, 4, doi:10.14710/jplp.4.1.1-6
- Suhartati, T., 2017, *Dasar-dasar spektrofotometri UV-Vis dan spektrometri massa untuk penentuan struktur senyawa organik*, UNILA: Aura.
- Sulistiyani, M., Huda, N., Prasetyo, R., dkk., 2023, Calibration of Microplate Uv-Vis Spectrophotometer for Quality Assurance Testing of Vitamin C Using Calibration Curve Method, *Indonesian Journal of Chemical Science*, 12,
doi:10.15294/ijcs.v12i2.72451
- Wenas, D. M., Meilani, P. A., dan Herdini, H., 2022, Uji Antioksidan Infusa Daun berwarna Merah dan Hijau dari Pucuk Merah (*Syzygium Myrtifolium* Walp.) dengan Metode DPPH, *JUSTE (Journal of Science and Technology)*, 3, doi:10.51135/justevol3issue1page11-23

Yang, G. Q., Zou, X. P., Meng, X. M., dkk., 2010, Lead Oxide Plate Precipitates from Lead Nitrate Solution, *Advanced Materials Research*, 123, doi:10.4028/www.scientific.net/AMR.123-125.1243

Yudono, B., 2017, *Spektrometri*, Universitas Sriwijaya: SIMETRI.

Zacharioudaki, D.-E., Fitis, I., dan Kotti, M., 2022, Review of fluorescence spectroscopy in environmental quality applications, *Molecules*, 27, doi:10.3390/molecules27154801