



DAFTAR PUSTAKA

- Amelia, N., Marjuki, E.I. dan Fithriyah, N.H. (2018) ‘Pembuatan Zeolit Sintetis Berteknologi Hidrotermal Dari Limbah Kaca Dengan Variasi Naoh Dalam Pembuatan Larutan Natrium Silika’, *Seminar Nasional Sains dan Teknologi Fakultas Teknik Universitas Muhammadiyah Jakarta*, pp. 1–7.
- Arninda, A., Diana, S. dan Nirwan, N. (2022) ‘Pengaruh Temperatur Terhadap Power Bleach Pada Limbah SBE (Spent Bleaching Earth) Dengan Menggunakan Metode Kalsinasi’, *Jurnal Teknologi Kimia Mineral*, 1(1), pp. 18–21. Available at: <https://doi.org/10.61844/jtkm.v1i1.21>.
- [BSN] National Standardization Agency. 2000. Bentonite for Vegetable Oil Bleaching. SNI 136336-2000.
- Dahlan, M dan Hariyanto (2022) ‘Pengaruh Kadar Air Sekam Padi Terhadap Efisiensi Pembakaran Kompor Gasifikasi’, *Journal of Energy, Materials, & Manufacturing Technology*, 1(01), pp. 7–11. Available at: <https://doi.org/10.61844/jemmtc.v1i01.148>.
- Deutschland, B. (2015) ‘Die folgenden Angaben sind den vom Anmelder eingereichten Unterlagen entnommen’, (German Patent No. DE 10356894 A1) (12), pp. 1–10.
- Earth, B. dkk. (2020) ‘Pengaruh Konsentrasi Dan Waktu Aktivasi Adsorben Spent Bleaching Earth (SBE) Terhadap Luas Permukaan’, 7, pp. 1–4.
- Eleraky, M. I., Razek, T. M. A., Hasani, I. W., & Fahim, Y. A. (2025). Adsorptive removal of lead, copper, and nickel using natural and activated Egyptian calcium bentonite clay. *Scientific Reports*, 15(1), 13050. <https://doi.org/10.1038/s41598-025-95184-7>.
- Eyankware, M.O., Ogwah, C. and Ike, J.C. (2021) ‘A Synoptic Review of Mineralogical and Chemical Characteristics of Clays in the Southern Part of Nigeria’, *Research in Ecology*, 3(2), pp. 32–45. Available at: <https://doi.org/10.30564/re.v3i2.3057>.
- Hadi, I. dan Sudiarta, W. (2021) ‘Sintesis Silika Gel Dari Abu Sekam Padi dan Abu



- Limbah Pembakaran Batu-bata Dengan Metode Presipitasi’, *Jurnal kimia*, 7(1), pp. 31–38.
- Handayani, K. dan Yusnimar, D. (2023) ‘Pengaruh Ukuran Partikel Bentonit dan Suhu Adsorpsi terhadap Daya Jerap Bentonit dan Aplikasinya pada Bleaching CPO’, *Jurnal Teknobiologi, IV*, (2), pp. 117–121.
- Hanipa, P.dkk. (2017) ‘Pengaruh Variasi Waktu Hidrotermal terhadap Sintesis dan Karakterisasi Nanokristal Zeolit A dari Abu Sekam Padi’, *Jurnal Kimia Sains dan Aplikasi*, 20(2), pp. 79–83. Available at: <https://doi.org/10.14710/jksa.20.2.79-83>.
- June, M. dkk. (2025) ‘Establishment of the particle size distribution of bleaching earth for palm oil refining’, pp. 1–9.
- Kordi, M. dkk. (2024) ‘Rice Husk at a Glance: From Agro-Industrial to Modern Applications’, *Rice Science*, 31(1), pp. 14–32. Available at: <https://doi.org/https://doi.org/10.1016/j.rsci.2023.08.005>.
- Kumalasari, M.R. dkk. (2024) ‘Rice Husk Ash: A Promising Heavy Metal Adsorbent For Wastewater Treatment’, *Walisongo Journal of Chemistry*, 7(1), pp. 26–36. Available at: <https://doi.org/10.21580/wjc.v7i1.18852>.
- Kurniawati, T., Sutrisno, B., & Hidayat, A. (2019). The effect of moisture content on the adsorption capacity of silica-based adsorbent from rice husk ash. IOP Conference Series: Materials Science and Engineering, 543, 012058.
- Mading, R., Batu, M. S., Kolo, M. M., & Saka, A. R. (2025). Pembuatan karbon aktif dari tempurung buah lontar (*Borassus flabellifer* L.) sebagai adsorben Rhodamin B. MJoCE (Mangifera Journal of Chemistry Education), 14(1), 10–21.
- Olein, P. dan Veronika, N. (2023) ‘Pengaruh Konsentrasi Bleaching Earth Pada Proses Pembuatan Minyak Goreng Sawit’, 6(1), pp. 36–42.
- Plaxedes, S., Edison, M. dan Tirivaviri, M. (2023) ‘Bleaching of crude marula oil using activated bentonite and activated marula shells: A comparative analysis’, *International Journal of Applied Science and Engineering*, 20(2). Available at: [https://doi.org/10.6703/IJASE.202306_20\(2\).004](https://doi.org/10.6703/IJASE.202306_20(2).004).



- Prameswara, G., Diana, S. dan Amalia, R. (2023) ‘Studi Kinetika Esktraksi Silika dari Abu Sekam Limbah Penggilingan Padi pada Kabupaten Gowa’, *Jurnal Ilmu Lingkungan*, 21(4), pp. 974–979. Available at: <https://doi.org/10.14710/jil.21.4.974-979>.
- Rahim, H., Prameswara, G. dan Irfan Wijaya Gusmadi, M. (2024) ‘The effect of NaOH concentration on silica leaching process from rice husk ash in South Sulawesi Province, Indonesia’, 17(1), pp. 60–64. Available at: <https://doi.org/10.22146/jrekpros.81242>.
- Ramdhani, E.P. dkk. (2018) ‘Sintesis γ - Al_2O_3 Dari Zeolit Alam Sumbawa’, *Jurnal Zarah*, 6(2), pp. 59–62. Available at: <https://doi.org/10.31629/zarah.v6i2.691>.
- Rochdiani, D. dkk. (2022) ‘Dinamika Produksi Padi Kaitannya Dengan Ketahanan Pangan Di Indonesia Rice Production Dynamics the Relationship’, 1(2022), pp. 15–24.
- Salawudeen, T.O. dkk. (2025) ‘Clay Characterization and Optimisation of Bleaching Parameters for Palm Kernel Oil Using Alkaline Activated Clays’, *Journal of Minerals and Materials Characterization and Engineering*, 02(06), pp. 586–597. Available at: <https://doi.org/10.4236/jmmce.2025.26060>.
- Samik, S. dkk. (2023) ‘Karakterisasi Abu Sekam Padi dengan Menggunakan XRD’, *Unesa Journal of Chemistry*, 11(3), pp. 153–159. Available at: <https://doi.org/10.26740/ujc.v11n3.p153-159>.
- Silva, S.M. dkk. (2025) ‘Adsorption of carotenes and phosphorus from palm oil onto acid activated bleaching earth: Equilibrium, kinetics and thermodynamics’, *Journal of Food Engineering*, 118(4), pp. 341–349. Available at: <https://doi.org/10.1016/j.jfoodeng.2025.04.026>.
- Soetaredjo, F.E. dkk. (2021) ‘Ecological-safe and low-cost activated-bleaching earth: Preparation, characteristics, bleaching performance, and scale-up production’, *Journal of Cleaner Production*, 279, p. 123793. Available at: <https://doi.org/10.1016/j.jclepro.2021.123793>.



- Soylu, T.M. dkk. (2025) ‘Mesoporous silica aerogels for sunflower oil refining and investigation of their adsorption performance’, *Journal of Sol-Gel Science and Technology*, 115(1), pp. 327–348. Available at: <https://doi.org/10.1007/s10971-024-06395-9>.
- Tanjaya, A. dkk. (2025) ‘Pembuatan bleaching earth dari bentonite pacitan dengan aktivasi asam: karakterisasi dan kemampuan bleaching’, *National Conference Design and Application of Technology 2025*, pp. 2–6.
- Tsaousi, dkk (2023). 'Control of silica gel formation in the acidic leaching of CA slag. *Sustainability*', 15(21), 15462. <https://doi.org/10.3390/su152115462>
- Ulandari, R., Muis, L. dan Suryadri, H. (2024) ‘Pengaruh Waktu Terhadap Karakteristik Zeolit Sintesis Daun Bambu (*Gigantochloa Atter*) Menggunakan Metode Hidrotermal dan Aplikasinya Terhadap Penyerapan Ion Logam Mn^{2+} ’, *Jurnal Teknologi dan Inovasi Industri*, 05(01), pp. 34–039.
- Yan, S. dkk. (2022) ‘Characteristics of smoldering on moist rice husk for silica production’, *Sustainability (Switzerland)*, 14(1). Available at: <https://doi.org/10.3390/su14010317>.
- Yusrin, A., Susatyo, E. dan Mahatmanti, F. (2024) ‘Perbandingan Kemampuan Silika Gel dari Abu Sabut Kelapa dan Abu Sekam Padi untuk Menurunkan Kadar Logam Cd^{2+} ’, *Jurnal MIPA*, 37(2), pp. 154–162. Available at: <http://journal.unnes.ac.id/nju/index.php/JM>.