DAFTAR PUSTAKA

Adediran, A.A., Alaneme, K.K. and Oladele, I.O. (2021) 'Microstructural characteristics and mechanical behaviour of aluminium matrix composites reinforced with Si-based refractory compounds derived from rice husk', *Cogent Engineering*, 8(1).

Allen, J.J. (2005) *Micro Electro Mechanical System Design*. Boca Raton: Taylor & Francis.

Amini, A.A. *dkk.* (2025) 'Pengurangan Kadar Ammonia dalam Limbah Cair Pupuk pada Jet Bubble Column Menggunakan NaOH', X(2), pp. 12766–12775.

Arief, M. and Nursangadji (2022) 'Pertumbuhan Dan Hasil Tanaman Sawi (Brassica Juncea L.) Pada Berbagai Dosis Pupuk NPK', *Jurnal Agrotekbis*, 10(5), pp. 727–733.

Asfar, A.M.I.A. *dkk.* (2021) 'BIOINSEKTISIDA CAIR BERBASIS SEKAM PADI MELALUI PEMBERDAYAAN KELOM POK TANI PADA ELO ' DESA SANREGO', *Jurnal Masyarakat Mandiri*, 5(6), pp. 3366–3377.

Bai, W. *dkk.* (2021) 'Rice husk-based adsorbents for removing ammonia: Kinetics, thermodynamics and adsorption mechanism', *Journal of Environmental Chemical Engineering*, 9(4), p. 105793. Available at: https://doi.org/10.1016/j.jece.2021.105793.

Ball, D.W. and Key, J.A. (2014) *Introductory Chemistry*. Victoria: Pressbooks.

Beckhoff, B. *dkk.* (2006) *Handbook Of Practical X-Ray Fluorescence Analysis*. Berlin: Springer.

Coates, J. (2000) 'Interpretation Of Infrared Spectra, A Practical Approach', *Encyclopedia Of Analytical Chemistry*. John Wiley & Sons, Inc.

Daulay, A. *dkk.* (2021) 'Extraction silica from rice husk with naoh leaching agent with temperature variation burning rice husk', *Rasayan Journal of Chemistry*, 14(3), pp. 2125–2128. Available at: https://doi.org/10.31788/RJC.2021.1436351.

Eikenberg, J., 1990. On The Problem Of Silica Solubility At High pH. Paul Scherrer Institute, Wurenlingen and Villigen.

Fadlelmoula, A. *dkk.* (2022) 'Fourier Transform Infrared (FTIR) Spectroscopy to Analyse Human Blood over the Last 20 Years: A Review towards Lab-on-a-Chip Devices', *Micromachines*. MDPI. Available at: https://doi.org/10.3390/mi13020187.

Falah, M.N.A. and Sa'diyah, K. (2024) 'Pengaruh Rasio Ampas Tahu Terhadap Kualitas Produk Pakan Ikan Nila', *DISTILAT: Jurnal Teknologi Separasi*, 10(1), pp. 170–179. Available at: https://doi.org/10.33795/distilat.v10i1.4215.

Ghasem, N., Henda, R., 2015. Principles Of Chemical Engineering Processes Material and Energy Balances, Second. ed. CRC Press, Boca Raton.

Ghosh, R. (2013) 'A Review Study on Precipitated Silica and Activated Carbon from Rice Husk', *Journal of Chemical Engineering & Process Technology*, 04(04). Available at: https://doi.org/10.4172/2157-7048.1000156.

Hafez, A.I. (2022) 'Synthesis of Silica and Silica Compounds Based on Rice Husk Ash: Article Review', *Water, Energy, Food and Environment*, 3(2), pp. 67–75. Available at: https://doi.org/10.18576/wefej/010204.

Helrich, K., 1990. Official Methods Of Analysis. Association Of Official Analytical Chemists, Boulevard.

Iler, R.K., 1978. The Chemistry Of Silica Solubility, Polymerization, Colloid and Surface Properties, and Biochemistry. John Wiley & Sons, Inc., New York.

Kumar, R. *dkk.* (2022) 'Coupling Effects of Nitrogen and Irrigation Levels on Growth Attributes, Nitrogen Use Efficiency, and Economics of Cotton', *Frontiers in Plant Science*, 13(1), pp. 1–12. Available at: https://doi.org/10.3389/fpls.2022.890181.

Kumari, V.V., Banerjee, P., Verma, V.C., Sukumaran, S., Chandran, M.A.S., Gopinath, K.A., Venkatesh, G., Yadav, S.K., Singh, V.K., Awasthi, N.K., 2022. Plant Nutrition: An Effective Way to Alleviate Abiotic Stress in Agricultural Crops. Int. J. Mol. Sci. 23. https://doi.org/10.3390/ijms23158519

Nielsen, S.S. (1998) *Food Analysis*. Second. Maryland: Aspen Publishers.

Nurhayati, D.R., 2021. Pengantar Nutrisi Tanaman. UNISRI PRESS, Solo.

Nzereogu, P.U., Omah, A.D., Ezema, F.I., Iwuoha, E.I., Nwanya, A.C., 2023. Silica extraction from rice husk: Comprehensive review and applications. Hybrid Adv. 4, 100111. https://doi.org/10.1016/j.hybadv.2023.100111

Pareek, A. *dkk.* (2010) *Abiotic Stress Adaptation In Plants*. Dordrecht: Springer.

Purba, T., Situmeang, R., Mahyati, H.F.R., 2021. Pupuk dan Teknologi Pemupukan. Yayasan Kita Menulis, Medan.

Putra, E.A.P. *dkk.* (2022) 'PENGARUH WAKTU DAN KONSENTRASI NAOH PADA EKSTRAKSI SILIKA (SIO2) DARI LIMBAH FLY ASH BATUBARA', *Jurnal Teknologi Kimia Mineral*, 1(2), pp. 56–59.

Putri, R. *dkk.* (2022) 'KARAKTERISTIK SILIKA DARI SEKAM PADI BERDASARKAN VARIASI WAKTU DAN SUHU PEMBAKARAN', *Seminar Nasional Fakultas Teknik Universitas Malikussaleh*, 1(1), pp. 906–911.

Puspitasari, L., Mareta, S. and Thalib, A. (2021) 'Karakterisasi senyawa kimia daun mint (Mentha sp.) dengan metode FTIR dan kemometrik', *Sainstech Farma Jurnal Ilmu Kefarmasian*, 14(1), pp. 5–11.

Qurrohman, B.F.T. and Ginandjar, S. (2018) *Ekstrak Silika Sekam Padi*. Bandung: Pusat Penlelitian dan Penerbitan UIN Bandung.

Rahim, H. *dkk.* (2023) 'The effect of NaOH concentration on silica leaching process from rice husk ash in South Sulawesi Province, Indonesia', *Jurnal Rekayasa Proses*, 17(1), pp. 1–5. Available at: https://doi.org/10.22146/jrekpros.81242.

Riza, M., Fachraniah and Syafruddin (2022) 'Pembuatan Silika Gel dari Abu Sekam Padi dengan Pereaksi Asam Kuat dan Asam Lemah dengan Menggunakan Variasi Jumlah Abu Silikat', *Jurnal Teknologi*, 22(2), pp. 55–62. Available at: https://doi.org/10.30811/teknologi.v22i2.3116.

Rochmah, N. *dkk.* (2022) 'Pengaruh Abu Sekam Sebagai Substitusi Semen Pada Kuat Tekan Flowing Concrete', *Axial : Jurnal Rekayasa Dan Manajemen Konstruksi*, 10(1), p. 019. Available at: https://doi.org/10.30742/axial.v10i1.2172.

Skoog, D.A., West, D.M., Holler, F.J., 2013. Fundamentals If Analytical Chemistry. Mary Finch, USA.

Sohaimi, K.S.A. *dkk.* (2021) 'Ammonium Adsorption - Desorption Using Rice Husk Biochar', *IOP Conference Series: Earth and Environmental Science*, 765(1), pp. 1–10. Available at: https://doi.org/10.1088/1755-1315/765/1/012061.

Sutisna, N.A., Rahmiati, F. and Amin, G. (2021) 'Optimalisasi Pemanfaatan Sekam Padi Menjadi Briket Arang Sekam untuk Menambah Pendapatan Petani di Desa Sukamaju, Jawa Barat', *Agro Bali: Agricultural Journal*, 4(1), pp. 116–126. Available at: https://doi.org/10.37637/ab.v4i1.691.

Todkar, B.S., Deorukhkar, O.A., Deshmukh, S.M., 2016. Extraction of Silica from Rice Husk. Int. J. Eng. Res. Dev. 12, 69–74. https://doi.org/10.1042/cs0840231

Verma, K.K., Song, X.P., Tian, D.D., Guo, D.J., Chen, Z.L., Zhong, C.S., Nikpay, A., Singh, M., Rajput, V.D., Singh, R.K., Minkina, T., Li, Y.R., 2021. Influence of silicon on biocontrol strategies to manage biotic stress for crop protection, performance, and improvement. Plants 10, 1–22. https://doi.org/10.3390/plants10102163

Xiong, Q., Hu, J., Wei, H., Zhang, H., Zhu, J., 2021. Relationship between plant roots, rhizosphere microorganisms, and nitrogen and its special focus on rice. Agric. Switz. 11, 1–18. https://doi.org/10.3390/agriculture11030234

Xu, D. *dkk.* (2022) 'The development road of ammonium phosphate fertilizer in China', *Chinese Journal of Chemical Engineering*, 41(1), pp. 170–175. Available at: https://doi.org/10.1016/j.cjche.2021.08.015.

Yan, S., Yin, D., He, F., 2022. Characteristics of smoldering on moist rice husk for silica production. Sustain. Switz. 14. https://doi.org/10.3390/su14010317

Zainal, S., Tajuddin, R.H., Yusof, N.F.M., 2024. Synthesis and Characterization of Liquid-Silicate Fertilizer From Treated and Untreated Ash Rice Husk. Malays. J. Anal. Sci. 28, 1–9.

Zamhari (2023) *5 Cara Pemanfaatan Sekam Padi Secara Maksimal*. Jakarta: Elementa Agro Lestari.

Zuwanna, I. *dkk.* (2023) 'Preparation and characterization of silica from rice husk ash as a reinforcing agent in whey protein isolate biocomposites film', *South African Journal of Chemical Engineering*, 44, pp. 337–343. Available at: https://doi.org/10.1016/j.sajce.2023.03.005.