

DAFTAR PUSTAKA

- Adjiantoro, B. & Maburri, E., 2016. Effect of Leaching Time on Purification Process of Metallurgical Grade Silicon by Using Acid Solution. *Mettallurgy*, 27(1), p.1.
- Al-Hilli, M.F. & Al-Rasoul, K.T., 2010. Influence of glass addition and sintering temperature on the structure, mechanical properties and dielectric strength of high-voltage insulators. *Materials & Design*, 31(8), pp.3885–3890.
- Bakos, T., Rashkeev, S.N. & Pantelides, S.T., 2004. H₂O and O₂ molecules in amorphous SiO₂: Defect formation and annihilation mechanisms. *Physical Review B*, 69(19).
- Barsoum, M. W., 2003, *Fundamental of Ceramics*, Cornwall, UK: IoP Publishing.
- Djamel, N. & Samira, A., 2021. Mechanism of Cu²⁺ ions uptake process by synthetic NaA zeolite from aqueous solution: Characterization, Kinetic, intra-crystalline diffusion and thermodynamic studies. *Journal of Molecular Liquids*, 323, p.114642.
- Farhan Kadhum, A., 2018. Effects of Length to the Diameter Ratio on the Buckling Behavior of Cylinders under Axial Load. *Al-Nahrain Journal for Engineering Sciences*, 21(2), pp.187–194.
- Gaston, B. & Protter, C., 2020. Energy-Dispersive X-ray Spectroscopy (EDS). *Chemistry LibreTexts*. Available at: [https://chem.libretexts.org/Courses/Franklin_and_Marshall_College/Introduction_to_Materials_Characterization__CHM_412_Collaborative_Text/Spectroscopy/Energy-Dispersive_X-ray_Spectroscopy_\(EDS\)](https://chem.libretexts.org/Courses/Franklin_and_Marshall_College/Introduction_to_Materials_Characterization__CHM_412_Collaborative_Text/Spectroscopy/Energy-Dispersive_X-ray_Spectroscopy_(EDS)) [Accessed June 27, 2021].
- German, R. M., 1994. *Powder Metallurgy Science*. 2nd ed. sl: *Metal Powder Industries Federation*.
- Han, Y.S., 2003. The Effect of Sintering Temperature on Porous Silica Composite Strength. *Journal of Porous Materials*, 10(1), pp.41–45.
- Hlabangana, N., Danha, G. & Muzenda, E., 2018. Effect of ball and feed particle size distribution on the milling efficiency of a ball mill: An attainable region

- approach. *South African Journal of Chemical Engineering*, 25, pp.79–84.
- Horabik, J. et al., 2020. Discrete Element Method Modelling of the Diametral Compression of Starch Agglomerates. *Materials*, 13(4), p.932.
- Kah, P. & Layus, P., 2011. *Mechanika . Methods of Evaluating Weld Quality in Modern Production*, 16, pp.164–169.
- Leo, S. et al., 2014. Near-Net-Shaping Methods for Ceramic Elements of (Body) Armor Systems. *Journal of the American Ceramic Society*, 97(10), pp.3013–3033.
- Mehta, N.S. et al., 2018. Influence of alumina and silica addition on the physico-mechanical and dielectric behavior of ceramic porcelain insulator at high sintering temperature. *Boletín de la Sociedad Española de Cerámica y Vidrio*, 57(4), pp.151–159.
- Mulyani, S.Y., 2013. *Naskah Ilmiah: Kajian Lingkungan Pemanfaatan Pasir Kwarsa* 2nd ed., Kementerian PUPR, Badan Penelitian dan Pengembangan Jalan dan Jembatan.
- Muntohar, A.S., 2011. Effect of Specimen Size on the Tensile Strength Behavior of the Plastic Waste Fiber Reinforced Soil – Lime – Rice Husk Ash Mixtures. *Civil Engineering Dimension*, 13(2).
- Nagarajan, V., Mohanty, A.K. & Misra, M., 2016. Biocomposites with Size-Fractionated Biocarbon: Influence of the Microstructure on Macroscopic Properties. *ACS Omega*, 1(4), pp.636–647.
- Procopio, A.T., Zavaliangos, A. & Cunningham, J.C., 2003. Analysis of the Diametral Compression Test and the Applicability to Plastically Deforming Materials. *Journal of Materials Science*, 38(17), pp.3629–3639.
- Rachman, A., Edwin, F. & Sebleku, P., 2017. Characterization of Cibadak Sukabumi Silica Sand As Raw Material for Ramming Mix Silica Manufacturing. *Metalurgi*, 27(3), p.263.
- Riedel, R. & Chen, I.-W., 2012. *Ceramics science and technology*, Weinheim, Baden-Württemberg: Wiley-VCH.
- Setiawan, F., Aji, M.P. & Arifani, L., 2017. Analisis porositas dan kuat tekan campuran tanah liat kaolin dan kuarsa sebagai keramik. *Journal MIPA UNNES*, 40(1), pp.24–27.

- Setiyawan, W., Kusdarto & Karangan, C., 2014. Inventarisasi mineral bukan logam di Kabupaten Poso dan Kabupaten Parigi Moutong Provinsi Sulawesi Tengah. *psdg geologi esdm*.
- Smallman, R. E., & Bishop, R. J., 1999. *Modern Physical Metallurgy Science, Process, Applications*. 6th ed. Oxford: Reed Educational and Professional Publishing
- Sulastri, S. & Kristianingrum, S., 2010. Berbagai macam senyawa silika: sintesis, karakterisasi, dan pemanfaatan. *Prosiding Seminar Nasional Penelitian, Pendidikan, dan Penerapan MIPA, UNY*, 15.
- Sulistiyani, S., Priyambodo, E. & Yogantari, L., 2016. Silica purification from merapi volcano sand as photovoltaic raw materials. *Jurnal Sains Dasar*, 4(2), p.122.
- Suprapedi, Muljadi & Ramlan, 2018. Effect of Addition of Amorphous Glass (Soda Lime Glass) on Sintering Process and Properties of Alumina Ceramics. *Journal of Physics: Conference Series*, 1120, p.012038.
- Ukhtiyani, I., Darwis, D. & Iqbal, I., 2017. Purifikasi dan Karakterisasi Silika (SiO₂) Berbasis Pasir Kuarsa dari Desa Pasir Putih Kecamatan Pamona Selatan Kabupaten Poso. *Natural Science: Journal of Science and Technology*, 6(3).
- Vatalis, K.I., Charalambides, G. & Benetis, N.P., 2015. Market of High Purity Quartz Innovative Applications. *Procedia Economics and Finance*, 24, pp.734–742.
- Wang, B. et al., 2019. Bismuth trioxide-tailored sintering temperature, microstructure and NTCR characteristics of Mn_{1.1}Co_{1.5}Fe_{0.4}O₄ ceramics. *RSC Advances*, 9(44), pp.25488–25495.