

DAFTAR PUSTAKA

- Ahmad, Z., Ahmed, H. A., & Shahzada, K. (2024). Vulnerability Of Non-Structural Elements (Nses) In Buildings And Their Life Cycle Assessment : A Review. 1–30.
- Alcan, H. G. (2025). Mechanical , Durability , And Environmental Impact Properties Of Natural And Recycled Fiber Geopolymer With Zero Waste Approach : Alternative To Traditional Building Materials. 1–31.
- Ament, S., Witte, A., Garg Nishant, & Kusuma Julius. (2023). Sustainable Concrete Via Bayesian Optimization. 1–10.
- Andard, F. R. (2019). TENAGA KERJA DENGAN METODE WORK STUDY.
- Babu, B., & Petchikkan, M. (2023). OVERVIEW OF CONSTRUCTION MATERIALS. 15–22.
- Beushausen, H., & Arito, P. (2018). Special Issue COST Action TU1404 , Early Age Cracking And Serviceability In Cement-Based Materials And Structures The Influence Of Mix Composition , W / B Ratio And Curing On Restrained Shrinkage Cracking Of Cementitious Mortars. *Construction And Building Materials*, 174, 38–46. <https://doi.org/10.1016/j.conbuildmat.2018.04.099>
- Davidovits Joseph. (2020). *Geopolymer Chemistry And Applications*. 5-Th Edition. In J. Davidovits.–Saint-Quentin, France (Vol. 5, Issue April).
- Fernando. (2020). PENGARUH VARIASI Naoh TERHADAP Na₂SiO₃ TERHADAP NILAI KUAT TEKAN DRY GEOPOLYMER MORTAR METODE DRY MIXING PADA KONDISI RASIO ABU TERBANG TERHADAP AKTIVATOR 2:1 Fahmi.
- Glenn, R., Jr, D. L., Leaña, J. L., Felipe, L., Joseph, C., Cacanando, D., Angelo, M., Promentilla, B., Maximino, J., & Ongpeng, C. (2023). Microstructure And Mechanical Performance Of Bamboo Fiber Reinforced Mill-Scale — Fly-Ash Based Geopolymer Mortars. *Cleaner Chemical Engineering*, 6(May), 100110. <https://doi.org/10.1016/j.clce.2023.100110>
- Huang, D., Liu, Z., Lin, C., Lu, Y., & Li, S. (2024). Effects And Mechanisms Of

Component Ratio And Cross-Scale Fibers On Drying Shrinkage Of Geopolymer Mortar. 411(October 2023).

- Kaselle, H., Ruga, S., & Siti, A. (2021). Karakteristik Mortar Geopolimer Berbahan Dasar Fly Ash Dan Bottom Ash. Seminar Nasional Hasil Penelitian & Pengabdian Kepada Masyarakat, 6(1), 66–71.
- Khalaf, N. H., Mahdi, S. M., & Ibrahim, Y. K. (2024). Influence Of Steel Fibres Of Crimped And Hooked-End Shape On The Mechanical Properties Of Portland Cement. *Journal Of Engineering And Sustainable Development*, 28(3), 384–391. <https://doi.org/10.31272/Jeasd.28.3.8>
- Kiamahalleh, M. V., Gholampour, A., Shahmirzadi, M. R., & Ngo, T. D. (2024). Mechanical, Durability, And Microstructure Assessment Of Wastepaper Fiber-Reinforced Concrete Containing Metakaolin.
- Klingsad, R., & Ayudhya, B. I. N. (2025). Shrinkage Characteristics And Abrasion Resistance Of Porcelain Waste-Based Geopolymers Mortar Under Chemical Exposure. *Civil Engineering Journal (Iran)*, 11(11), 4655–4676. <https://doi.org/10.28991/CEJ-2025-011-11-012>
- Krishna A. Sai, K. Rajesh Kumar, M. V. (2025). A State-Of-The-Art Analysis Of Repair And Rehabilitation Of Masonry.Pdf.
- Luhar, I., & Luhar, S. (2022). A Comprehensive Review On Fly Ash-Based Geopolymer. *Journal Of Composites Science*, 6(8), 1–59. <https://doi.org/10.3390/Jcs6080219>
- Lv, C., He, P., Pang, G., & Jie Liu. (2023). Effect Of Wet – Dry Cycling On Properties Of Natural-Cellulose-.
- Lv, C., Liu, J., Guo, G., & Zhang, Y. (2022). The Mechanical Properties Of Plant Fiber-Reinforced.
- Matsimbe, J., Dinka, M., & Olukanni, D. (2022). Geopolymer: A Systematic Review Of Methodologies.
- Mohammed, S. H., & Fawzi, N. M. (2024). *Journal Of Engineering*. 30(7), 77–89.
- Nikoloutsopoulos, N., Sotiropoulou, A., Kakali, G., & Tsivilis, S. (2021). Physical And Mechanical Properties Of Fly Ash Based Geopolymer Concrete Compared To Conventional Concrete. 1–14.

- Olayinka, R., Jafari, R., & Fiset, M. (2025). Shrinkage Characteristics Of Geopolymer Concrete: A Comprehensive Review. *Materials*, 18(19). <https://doi.org/10.3390/Ma18194528>
- Oyejobi, D. O., Adewuyi, A. P., Hassan, I. A., Suleiman, I., Oyebanji, Y. O., & Yusuf, S. O. (2023). Materials Today : Proceedings Performance Evaluation Of Fly-Ash Based Geopolymer Mortar. *Materials Today: Proceedings*, 86, 88–95. <https://doi.org/10.1016/J.Matpr.2023.03.292>
- Patrisia, Y., Gunasekara, C., Setunge, S., & Mendis, P. (2025). Multi-Perspective Evaluation Of Waste- Derived Cellulose Fiber Concrete : Engineering Performance , Microstructure And Sustainability. *Sustainable And Resilient Infrastructure*, 00(00), 1–24. <https://doi.org/10.1080/23789689.2025.2561203>
- Provis, J., & Van Deventer, J. (2009). *Geopolymers: Structures, Processing, Properties And Industrial Applications*.
- Riahi Dehkordi, E., Moodi, F., Givkashi, M. R., & Ramezani-pour, A. A. (2024). Investigation Of Affecting Factors On Drying Shrinkage And Compressive Strength Of Slag Geopolymer Mortar Mixture. *Arabian Journal For Science And Engineering*, 49(4), 5679–5696. <https://doi.org/10.1007/S13369-023-08373-9>
- Sahare, J. J. (2026). *The Utilization Of New Engineering Materials In Civil Engineering Construction- A Review*. March.
- Sary, R. K., & Asyasyauki, A. H. (2020). Kajian Kerusakan Finishing Dinding Bata Pada Bangunan Gedung Study Of The Problems Of Brick Wall Finishing In The Building Dinding Beton . Dan Dinding Partisi (Gypsum). 54 | *Arsir* , Volume 3 , Nomor 1 , Desember 2019. 3, 54–61.
- Sayahi, F. (2019). *PLASTIC SHRINKAGE CRACKING IN CONCRETE*.
- Stevulova, N., Vaclavik, V., Hospodarova, V., & Dvorský, T. (2021). Recycled Cellulose Fiber Reinforced Plaster. *Materials*, 14(11), 1–26. <https://doi.org/10.3390/Ma14112986>
- Suanto, P., & Saggaff, A. (2022). The Characterization Of Nanocellulose With Various Durations And Naoh Concentration. 5(1), 18–29.

<https://doi.org/10.53894/ijirss.V5i1.343>

Transition, L., & Industry, C. (2025). Technology Roadmap.

Wang, L., Li, Q., Hu, Y., Cui, T., & Li, R. (2024). Shrinkage And Cracking Properties Of Cellulose Fiber-Concrete Composites For 3D Printing By Leveraging Internal Curing. *3D Printing And Additive Manufacturing*, 11(1), 50–59. <https://doi.org/10.1089/3dp.2021.0281>

Youssf, O., Eldin, D. S., & Tahwia, A. M. (2025). Eco-Friendly High-Strength Geopolymer Mortar From Construction And Demolition Wastes.

Zhang, P., Zheng, Y., Wang, K., & Zhang, J. (2018). A Review On Properties Of Fresh And Hardened Geopolymer Mortar. *Composites Part B*, 152(June), 79–95. <https://doi.org/10.1016/j.compositesb.2018.06.031>