

DAFTAR PUSTAKA

- Adibroto, F., Mukhlis, Suardi, E., dan Mahendra, A. (2020): Pemanfaatan cangkang sawit sebagai substitusi agregat kasar pada beton perkerasan kaku untuk jalan lalu lintas rendah, *Prosiding Seminar Nasional Unimus*, vol. 3.
- Ahmed, A., John K, Jonida P, Fraser H, dan Heni F. (2019): Chemical reactions in pozzolanic concrete, *Mod App Matrl Sci*, **1**(4), 128-133.
<https://doi.org/10.32474/MAMS.2019.01.000120>
- Alfi, M. (2017): Studi penggunaan abu ampas tebu dan fly ash pada pasta geopolimer, *Surabaya: Institut Teknologi Sepuluh Nopember*.
- Ali, K. A., Ahmad, M.I., dan Yusup, Y. (2020): Issues, impacts, and mitigations of carbon dioxide emissions in the building sector, *Sustainability*, **12**, 7427.
<https://doi.org/10.3390/su12187427>
- Alkhaly, Y. R. (2013): Reactive powder concrete dengan sumber silika dari limbah bahan organik, *Teras Jurnal*, **3**(2), 157-166.
- Amalo, P. S. (2018): Pengaruh parameter molaritas naoh, metode curing, dan bahan admixture terhadap kuat tekan dan workability beton geopolimer, *Tangerang: Universitas Pelita Harapan*.
- Ananyachandran, P. dan Vasugi, V. (2017): Review on high early strength concrete, *International Journal of Civil Engineering and Technology*, Vol. 8, No. 7, pp. 697-705.
- Ash Utilization Division: NTPC Limited. (2013): Fly ash for cement concrete, *Noida: NTPC Limited*.
- Bhatt, A., Priyadarshini, S., Mohanakrishnan, A. A., Abri, A., Sattler, M., & Techapaphawit, S. (2019), Physical, chemical, and geotechnical properties of coal fly ash: A global review, *Case Studies in Construction Materials 11*.
- Dehghani, A., Aslani, F., dan Panah, N. G. (2021): Effect of initial SiO₂/Al₂O₃ molar ratio and slag on fly ash-based ambient cured geopolymers properties, *Construction and Building Materials*, **293**, 123527.
- Elly, K. (2008): Pemanfaatan cangkang kelapa sawit sebagai arang aktif, *Jurnal Penelitian Ilmu Teknik*, Vol. 8, No. 2.
- Fernando, I. (2018): Pengaruh penggunaan abu sekam padi terhadap kuat tekan dan kuat lentur beton geopolimer, *Tangerang: Universitas Pelita Harapan*.

- Hardjito, D. dan Rangan, B. V. (2005): Development and properties of low-calcium fly ash-based geopolymer concrete, *Curtin University of Technology*, Perth, Australia.
- Hasnaoui, A., Ghorbel, E., dan Wardeh G. (2019): Comparison between portland cement concrete and geopolymer concrete based on metakaolin and granulated blast furnace slag with the same binder volume, *3rd International Conference on Bio-Based Building Materials*, United Kingdom, Belfast.
- Jindal, B. B., Sharma, S., Singhal, D., dan Jangra, P. (2017): Suitability of ambient-cured alccofine added low-calcium fly ash-based geopolymer concrete, *Indian Journal of Science and Technology*, Vol 10, 12.
- Lestari, I., Gusti, D. R., Susanto, N. C. A., Permana, E., dan Tarigan, I. L. (2021): Pengelolaan abu cangkang kelapa sawit sebagai bahan pembangun deterjen ramah lingkungan di desa kuamang kuning kabupaten bungo, *Jurnal Ilmiah Pengabdian kepada Masyarakat*, Vol. 5, No. 1.
- Li, N., Shi, G., Zhang, Z., Wang, H., dan Liu, Y. (2019): A review on mixture design methods for geopolymer concrete, *Composites part B*, 178, 107490.
- Mulyati, dan Arkis, Z. (2020): Pengaruh metode perawatan beton terhadap kuat tekan beton normal, *Jurnal Teknik Sipil ITP*, Vol. 7, No. 2.
- Nath, P. dan Sarker, P. (2011): Effect of fly ash on the durability properties of high strength concrete, *Procedia Engineering*, 14, 1149–1156.
- Putra, A. F. K., Hasyim, S., Nurjannah, S. A., Usman, A. P., Hanafiah, dan Juliantina, I. (2021): The properties of palm oil fuel ash-fly ash based geopolymer mortar, *AIP Conference Proceedings*, 2347, 020228.
- Putri, L. A. (2023): Pengaruh penambahan abu besi terhadap beton geopolimer mutu tinggi, *Tangerang: Universitas Pelita Harapan*.
- Salih, M. A., Demirboga, R., Ali, A. A. A., dan Abdullah, M. M. A. B. (2013): Properties of fresh palm oil fuel ash based geopolymer material, *Advances in Environmental Biology*, 7(12) October Special Issue 2013, Pages: 3572- 3579.
- Serwinda, Hidayat, A., & Lumba, P. (2014): Pengaruh penambahan cangkang sawit terhadap kuat tekan beton f'c 25 MPa, *Jurnal mahasiswa Teknik, Universitas Pasir Pengairan*.
- Silva, R. G. da, J. N. M., Candido, M. J. D., dan Lobo, R. N. B. (2007): Behavior and productive performance of sheep maintained in Tanzania grass (*panicum maximum*) pastures under intermittent stocking, *Ciência Anim. Bras.*, 8 (4): 609-620.

- Sodiqovna, O. M. dan Orifjon qizi, I. G. (2020): The rate of a chemical reaction and factors affecting it, *EPRA International Journal of Research and Development*, Vol. 5.
- Stutzman, P. E. (2001): Scanning electron microscope in concrete petrography, *Proceedings. J. Skalny, J. Gebauer and I. Odler, eds., The American Ceramic Society*, November 1-3, 2000, Anna Maria Island, Florida, 59-72.
- Surjaputra, I. V. (2019): Pengaruh variasi molaritas NaOH 4M, 6M, dan 8M terhadap kuat tekan dan kuat lentur beton geopolimer dengan mutu normal, *Tangerang: Universitas Pelita Harapan*.
- Susanto, J. (2020): Pengaruh penggunaan superplasticizer terhadap workability dan kuat tekan beton geopolimer, *Tangerang: Universitas Pelita Harapan*.
- Tay, J. H., dan Show, K. Y. (1995): Use of ash derived from oil-palm waste incineration as a cement replacement material, *Resources, Conservation and Recycling*, vol. 13, 27-36.
- Timakul, P., Aungkavattana, P., dan Thanaphatwethisit, K. (2015): effect of silica to alumina ratio on the compressive strength of class c fly ash-based geopolymers, *Key Engineering Materials*, Vol. 659, pp 80-84.
- Triyono, H. (2009): analisis sifat fisik dan kimia cangkang buah kelapa sawit (elaeis quinesis jack) sebagai subsitusi bahan berlignoselulosa, *Sumatera Utara: Universitas Sumatera Utara*.
- Vitri, G. dan Herman, H. (2019): Pemanfaatan limbah kelapa sawit sebagai material tambahan beton, *Jurnal Teknik Sipil ITP*, vol. 6, no 2.
- Wong, L. S. (2022): Durability performance of geopolymers concrete: a review, *Polymers*, 14, 868.
- Yanuari, R., Ikrammullah, M., Septari, D., Wijaya, M. F., dan Olivia, M. (2020): Studi parametrik mortar geopolimer hybrid abu sawit (palm oil fuel ash/POFA), *Rekayasa sipil*, Vol. 14, No. 2.
- Yasin, A. K., Bayuaji, R., dan Susanto, T. E. (2017): A review in high early strength concrete and local materials potential, *IOP Conf. Series: Materials Science and Engineering*, 267, 012004.
- Yuliana, R., Muhandi, dan Fatnanta, F. (2014): Karakteristik fisis dan mekanis abu sawit (palm oil fuel ash) dalam geoteknik, *Jurnal online mahasiswa Fakultas Teknik, Universitas Riau*, vol. 1, no. 1.