

## DAFTAR PUSTAKA

- A. Palomo, M. W. (1999). Alkali-Activated *Fly ashes* a Cement For The Future. *Cement and Concrete Research*, 1323 - 1329.
- Abdullah, M., Binhussain, M., Kamarudin, H., & Razak, R. (2012). Effect of Na<sub>2</sub>SiO<sub>3</sub>/NaOH Ratios and NaOH Molarities on Compressive Strength of Fly-Ash-Based Geopolymer. *Aci Materials Journal*.
- Abdullah, M., Hussin, K., Bnhussain, M., Ismail, K., & Ibrahim, W. (2011). Mechanism and Chemical Reaction of *Fly ash* Geopolymer Cement. *International Journal of Pure and Applied Sciences and Technology*, PP 35-44.
- Ahmaruzzaman, M. (2010). *A Review on the Utilization of Fly ash*. Progress in Energy and Combustion Science 36.
- Antoni, & Nugraha, P. (2007). *Teknologi Beton*. C.V Andi Offset.
- Atmaja, F., Triana, D., & Ujianto, R. (2016). Struktur Beton Pasca Kebakaran Terhadap Kuat Tekan dan Karakteristik Beton. *CIVTECH*.
- Borg, R., & Hamed, A. (2018). The Effects of Water-Cement Ratio and Chemical Admixtures on the Workability of Concrete. *IOP Conference Series Materials Science and Engineering*.
- Chindaprasirt, P., Chareerat, T., & Sirivivatnanon, V. (2007). *Workability and Strength of Coarse High Calcium Fly ash Geopolymer*. *Cement & Concrete Composites* 29.
- CIRCA. (2010). *Origin and APplications of Bottom Ash*. Canada: Association of Canadian Industries Recycling Coal Ash.

- Davidovits, J. (1994). *Properties of Geopolymer Cements*. Kiev, Ukraine: Scientific Research Institute on Binders and Materials.
- Davidovits, J. (1999). *Chemistry of Geopolymeric Systems Terminology*. France: Journal of Water Resource and Protection.
- Davidovits, J. (2013). Geopolymer Cement. *Institut Geopolymer*.
- Gorai, B., Jana, R., & Premchand. (2006). *Characteristics and Utilization of Copper Slag-A Review*. Resour. Conserv. Recycl. 39.
- Hager, I., Sitarz, M., & Mroz, K. (2021). Fly-ash based geopolymer mortar for high-temperature application - Effect of Slag Addition. *Cleaner Production* 316.
- Hardjito, D., & Rangan, B. V. (2005). *Development and Properties of Low-Calcium Fly ash-Based Geopolymer Concrete*. Research Report GC1, Faculty of Engineering, Curtin University of Technology.
- Hussin, M., Mirza, J., Jaya, R., & Arifin, M. (2014). Performance of Blended Ash Geopolymer Concrete at Elevated Temperatures. *Material and Structures*.
- JCOAL, Kasemchaisiri, R., & Dan Tangtersirikul, S. (2008). *Properties of Self-Compacting Concrete in Corporation Bottom Ash as a Partial Replacement of Fine Aggregate*. Japan Coal Energy Center.
- Junaid, M. T., & Khennane, A. (2017). *Response of Alkali Activated Low Calcium Fly ash Based Geopolymer Concrete Under Compressive Load at Elevated Temperatures*. Material and Structures.
- Kong, D., & Sanjayan, J. (2010). Effect of Elevated Temperatures on Geopolymer Paste, Mortar and Concrete. *Cement and Concrete Research* 40, PP 334-339.

Lahoti, M., H., T. K., & H, Y. E. (2019). *A critical review of geopolymer properties for structural fire-resistance applications*. Construction and Building Materials.

Mahmoud, A., Khoshnaw, G., & Mahmood, F. (2017). Engineering and Microstructures Characteristics of Low Calcium Fly ash Based Geopolymer Concrete. *3rd International Engineering Conference on Developments in Civil & Computer Engineering Applications*, (pp. ISSN 2409 - 6997).

McCaffrey, R. (2002). Environmental Special Issue : Climate Change and the Cement Industry. *Global Cement and Lime Magazine*, PP 15-19.

Nair, S. (2021). *Bill Gates Shines Spotlight on Carbon-Emitting Cement and Need for Something New*. Retrieved from Cornell University.

Nourredine, A., Rangeard, D., & Molez, L. (2018). Durability of Alkali-Resistant Glass Fibers Reinforced Cement Composite: Microstructural Observations of Degradation. *Periodica Polytechnica Civil Engineering*.

Rahem, A. (2013). Effect of Curing Methods on Density and Compressive Strength of Concrete. *International Journal of Applied Science and Technology*, 55 - 64.

Rao, G. M., Reddy, M. S., Rao, T. D., & Seshu, D. R. (2019). *A Study on the Strength and Performance of Geopolymer Concrete Subjected to Elevated Temperatures: Select Proceedings of SEC*. Lecture Notes in Civil Engineering.

- Ravikumar, C., & Thandavamoorthy, T. S. (2013). Glass Fiber Concrete: Investigation on Strength and Fire Resistant Properties. *IOSR Journal of Mechanical and Civil Engineering*, Volume 9, PP 21-25.
- Reddy, V. S., Rao, M. S., & Shrihari, S. (2019). Strength Conversion Factors for Concrete Based On Specimen Geometry, Aggregate Size and Direction of Loading. *International journal of Recent Technology and Engineering (IJRTE)*, 2277 - 3878.
- Standar Nasional Indonesia. (2012). Metode Uji untuk Analisa Saringan Agregat Halus dan Agregat Kasar. *Badan Standardisasi Indonesia*, SNI ASTM C136:2012.
- Standar Nasional Indonesia. (2012). Tata Cara Pemilihan Campuran untuk Beton Normal, Beton Berat dan Beton Massa. *Badan Standardisasi Nasional*, SNI 7656:2012.
- Standar Nasional Indonesia. (2013). Persyaratan Beton Struktural untuk Bangunan Gedung. *Standar Nasional Indonesia*, SNI 2847:2013.
- Standar Nasional Indonesia. (2016). Metode Uji Berat Jenis dan Penyerapan Air Agregat Halus. *Badan Standardisasi Nasional*, SNI 1970:2016.
- Standar Nasional Indonesia. (2016). Metode Uji Berat Jenis dan Penyerapan Air Agregat Kasar. *Badan Standardisasi Nasional*, SNI 1969:2016.
- Sumajouw, M. D., & Windah, R. S. (2014). Kuat Tekan Beton Geopolimer Berbahan Dasar Abu Terbang (*Fly ash*). *Jurnal Sipil Statik*, Vol. 2 No. 6, 277-282.

Wallah, S. E. (2014). Pengaruh Perawatan dan Umur Terhadap Kuat Tekan Beton

Geopolimer Berbasis Abu Terbang. *Jurnal Ilmiah Media Engineering.*

Wallah, S. E., & Windah, R.S. (2015). Pengaruh Kuat Tekan dan FAS Terhadap

Kuat Tekan Beton Dengan Agregat Yang Berasal Dari Sungai. *Jurnal Sipil*

*Statik.*

Wallah, S.E., & Windah, R.S. (2015). Pengaruh Jumlah Semen dan FAS Terhadap

Kuat Tekan

Wesli, Akbar, S., & Buhanuddin. (2011). Studi Korelasi Faktor Air Semen (Water

Cement Ratio) dengan Kuat Tekan Beton Struktural. *Teras Jurnal.*

Zhuang, X. Y., Chen, L., Komarneni, S., Zhou, C. H., Tong, D. S., Yang, H. M., . .

. Wang, H. (2016). *Fly ash-based Geopolymer : Clean Production,*

*Properties and Applications. Journal of Cleaner Production.*