

DAFTAR PUSTAKA

- [1] J. Davidovits, *Geopolymer chemistry & applications*. 2015.
- [2] J. Davidovits, “PROPERTIES OF GEOPOLYMER CEMENTS Joseph Davidovits Geopolymer Institute, 02100 Saint-Quentin, France,” *Alkaline Cem. Concr. KIEV Ukr.*, pp. 1–19, 1994.
- [3] A. Nazari *et al.*, “Thermal shock reactions of Ordinary Portland cement and geopolymer concrete : Microstructural and mechanical investigation,” *Constr. Build. Mater.*, vol. 196, pp. 492–498, 2019.
- [4] J. L. Provis and J. S. J. Van Deventer, *Geopolymers: Structures, processing, properties and industrial applications*. 2009.
- [5] D. Koloušek, J. Brus, M. Urbanova, J. Andertova, V. Hulinsky, and J. Vorel, “Preparation, structure and hydrothermal stability of alternative (sodium silicate-free) geopolymers,” *J. Mater. Sci.*, vol. 42, no. 22, pp. 9267–9275, 2007.
- [6] D. Feng, J. L. Provis, and J. S. J. Van Deventer, “Thermal activation of albite for the synthesis of one-part mix geopolymers,” *J. Am. Ceram. Soc.*, vol. 95, no. 2, pp. 565–572, 2012.
- [7] M. X. Peng, Z. H. Wang, S. H. Shen, and Q. G. Xiao, “Synthesis, characterization and mechanisms of one-part geopolymeric cement by calcining low-quality kaolin with alkali,” *Mater. Struct. Constr.*, vol. 48, no. 3, pp. 699–708, 2014.
- [8] Y. F. Cao, Z. Tao, Z. Pan, and R. Wuhner, “Effect of calcium aluminate cement on geopolymer concrete cured at ambient temperature,” *Constr. Build. Mater.*, vol. 191, pp. 242–252, 2018.
- [9] A. D. Hounsi, G. L. Lecomte-Nana, G. Djétéli, and P. Blanchart, “Kaolin-based geopolymers: Effect of mechanical activation and curing process,” *Constr. Build. Mater.*, vol. 42, pp. 105–113, 2013.

- [10] C. Y. Heah *et al.*, "Study on solids-to-liquid and alkaline activator ratios on kaolin-based geopolymers," *Constr. Build. Mater.*, vol. 35, pp. 912–922, 2012.
- [11] J. Davidovits, "Chemistry of Geopolymeric Systems Terminology," 1999.
- [12] S. Wallah and B. Rangan, "Geopolymer concrete: long term properties," *Res. Report. Univ. Curtin*, 2006.
- [13] S. E. Wallah and B. V Rangan, "Low-Calcium Fly Ash-Based Geopolymer Concrete: Long-Term Properties," *Curtin Univ. Technol.*, no. January 2006, 2006.
- [14] T. Sugama and T. Pyatina, "Bond Durability of Carbon-Microfiber-Reinforced Alkali-Activated High-Temperature Cement Adhering to Carbon Steel," *Engineering*, vol. 09, no. 02, pp. 142–170, 2017.
- [15] and M. B. Palomo, A., M. Grutzeck, "17 Alkali-activated fly ashes: a cement for the future. Cement and concrete research," *Cem. Concr. Res.*, 1999.
- [16] D. Noermalasari, "Perilaku korosi pada baja tulangan dalam beton geopolimer abu terbang dalam media aquades dan air laut ASTM," Universitas Indonesia, 2010.
- [17] H. Djwantoro, Steenie E. Wallah, Dody M. J. Sumajouw, and B. Vijaya Rangan, "On the Development of Fly Ash-Based Geopolymer Concrete," *ACI Mater. J.*, 2004.
- [18] D. L. Y. Kong and J. G. Sanjayan, "Effect of elevated temperatures on geopolymer paste, mortar and concrete," *Cem. Concr. Res.*, 2010.
- [19] D. M. J. Sumajouw, D. Hardjito, S. E. Wallah, and B. V. Rangan, "Fly ash-based geopolymer concrete: Study of slender reinforced columns," *J. Mater. Sci.*, 2007.
- [20] A. Khawam and D. R. Flanagan, "Solid-state kinetic models: Basics and mathematical fundamentals," *J. Phys. Chem. B*, vol. 110, no. 35, pp. 17315–17328, 2006.
- [21] J. Zhao, G. Cai, H. Degée, B. Huang, and Z. Luo, "Hydration, setting and crack-resistance properties of activated HVFACs at early stages," *Appl. Sci.*, vol. 6, no. 8, 2016.

- [22] A. V. Kirschner and H. Harmuth, "Investigation of geopolymer binders with respect to their application for building materials," *Ceram. - Silikaty*, 2004.
- [23] C. a. Strydom and J. C. Swanepoel, "Utilisation of fly ash in a geopolymeric material," *Appl. Geochemistry*, vol. 17, no. 8, pp. 1143–1148, 2002.
- [24] F. J. López, S. Sugita, M. Tagaya, T. Kobayashi, and T. K. Francisco J. López, Satoshi Sugita, Motohiro Tagaya, "Geopolymers Using Rice Husk Silica and Metakaolin Derivatives; Preparation and Their Characteristics," *J. Mater. Sci. Chem. Eng. Vol.2 No.5*, 2014.
- [25] ASTM, "Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)," 1999.
- [26] D. Dimas, I. Giannopoulou, and D. Panias, "Polymerization in sodium silicate solutions: A fundamental process in geopolymerization technology," *J. Mater. Sci.*, vol. 44, no. 14, pp. 3719–3730, Jul. 2009.
- [27] A. A. Hoyos-Montilla, F. Puertas, and J. I. Tobón, "Microcalorimetric study of the effect of calcium hydroxide and temperature on the alkaline activation of coal fly ash," *J. Therm. Anal. Calorim.*, vol. 131, no. 3, 2018.
- [28] I. Garcia-Lodeiro, A. Palomo, A. Fernández-Jiménez, and D. E. MacPhee, "Compatibility studies between N-A-S-H and C-A-S-H gels. Study in the ternary diagram $\text{Na}_2\text{O}-\text{CaO}-\text{Al}_2\text{O}_3-\text{SiO}_2-\text{H}_2\text{O}$," *Cement and Concrete Research*, vol. 41, no. 9, 2011.