

REFERENSI

- [1] Malhotra VM. Making concrete ‘greener’ with fly ash. *ACI Concrete. Int.* 1999;12(5):61-6.
- [2] McCaffery R. Climate change and the cement industry. *Global Cement and Lime Magazine* 2002;15-9.
- [3] Davidovits J. Geopolymers: Inorganic polymeric new materials. *J. Thermal Analysis* 1991;(37):1633-56.
- [4] Davidovits J. Properties of geopolymer cements. *First International Conference on Alkaline Cements and Concretes* 1994:131-49.
- [5] Wallah SE, Rangan BV. Geopolymer concrete: long term properties. *Research Report. University of Curtin.* 2006.
- [6] Van Jaarsveld JGS, van Deventer JSJ, Lukey GC. The effect of composition and temperature on the properties of fly ash-and kaolinite-based geopolymers. *Chem. Eng. J.* 2002;(89):63-73.
- [7] Davidovits J. Chemistry of geopolymeric systems, terminology. *The Geopolymer '99 International Conference.* Saint Quentin, France.
- [8] Davidovits J. Geopolymers of the first generation: SILICAFE-process. *The Geopolymere '88, first European Conference on Soft Mineralogy.* Compiegne, France.
- [9] Xu H, Deventer JSJV. The geopolymerisation of alumino silicate minerals. *Int. J. Min. Proc.* 2000;59(3):247-66.
- [10] Cheng TW, Chiu JP. Fire-resistant geopolymer produced by granulated blast furnace slag. *Min. Eng.* 2003;16(3):205-10.
- [11] Van Jaarsveld JGS, van Deventer JSJ, Lorenzen L. The potential use of geopolymeric materials to immobilize toxic metals: Part I. Theory and applications. *Min. Eng.* 1997;10(7):659-69.
- [12] Palomo A, Grutzeck MW, Blanco MT. Alkali-activated fly ashes: A cement for the future. *Cem. Conc. Res.* 1999;29(8):1323-9.
- [13] Van Jaarsveld JGS, van Deventer JSJ, Lukey GC. The characterization of source materials in fly ashed-geopolymers. *Mat. Lett.* 2003;57(7):1272-80.
- [14] Fernandez JA, Palomo A. Characterisation of fly ashes: Potential reactivity as alkaline cements. *Fuel* 2003;82(18):2259-65.

- [15] Gourley JT. Geopolymers: Opportunities for environmentally friendly construction materials. *The Materials 2003 Conference: Adaptive Materials for Modern Society*. Sydney, Australia, 2002.
- [16] Swanepoel JC, Strydom CA. Utilisation of fly ash in geopolymeric material. *Appl. Geochem.* 2002;17(8):1143-8.
- [17] Phair JW, van Deventer JSJ. Effect of silicate activator pH on the leaching and material characteristics of waste-based inorganic polymers. *Min. Eng.* 2001;14(3):289-304.
- [18] Bakharev T. Durability of geopolymer materials in sodium and magnesium sulfate solutions. *Cem. Conc. Res.* 2005;35(6):1233-46.
- [19] Davidovits J. Green chemistry and sustainable development granted and false ideas about geopolymers-concrete. *The International Workshop on Geopolymers and Geopolymer Concrete*, Perth, Australia, 2005.
- [20] Comrie DC, Paterson JH, itchey DJ. Geopolymer technologies in toxic waste management. *The geopolymer '88, First European Conference on Soft Mineralugy*. Compeigne, France, 1988.
- [21] Bakharev T. Resistance of geopolymer materials to acid attack. *Cem. Conc. Res.* 2005;35(4):658-70.
- [22] Gourley JT, Johson GB. Developments in geopolymer precast concrete. *The International Workshop on Geopolymers and Geopolymer Concrete*. Perth, Australia, 2005.
- [23] Song XJ, Marosszky, Brungs MM, Mun R. Durability of fly ash-based geopolymer concrete against sulphuric acid attack. *The 10DBMC International Conference on Durability of Building Materials and Components*. Lyon, France, 2005.
- [24] Bakharev T. Geopolymeric materials using class F fly ash and elevated temperature curing. *Cement and Concrete Research Science Direct*. Victoria, Australia, 2005.
- [25] *Bata Tras Kapur Untuk Pasangan Dinding*, Standar Nasional Indonesia (SNI) 03-2113-2000.
- [26] *Teknik pemeriksaan material menggunakan XRF, XRD, dan SEM-EDS*. (n.d.). Oktober 17, 2008.
<http://www.lenn-biz.com/?q=node/12>
- [27] *X-ray scattering techniques*. (n.d.). Oktober 17, 2008.
<http://en.wikipedia.org/wiki/XRD>

- [28] *X-ray diffraction (XRD)*. (n.d.). Oktober 17, 2008.
<http://www.google.co.id/url?sa=t&source=web&ct=res&cd=1&url=http%3A%2F%2Fwww.physics.psu.edu%2F>
- [29] Anderson Materials Evaluation, Inc. (2007, Oktober 26). *Thermogravimetry (TG) or Thermogravimetric Analysis (TGA) or Thermal Gravimetric Analysis*. Oktober 17, 2008
<http://www.andersonmaterials.com/tga.html>
- [30] *Fly ash*. (n.d.). Oktober 17, 2008.
http://www.wikipedia.com/fly_ash.html
- [31] Chindaprasirt P., Rattanasak U., A comparative study of preparation and properties of high calcium fly ash-based geopolymers. *International Conference on Pozzolan, Concrete and Geopolymer*. Khon Kaen, Thailand.2006.
- [32] Barbosa, Valeria F. F., MacKenzie, Kenneth J.D., Thaumaturgo, Clelio. Synthesis and characterisation of materials based on inorganic polymers of alumina and silica: sodium polysialate polymers. *International Journal of Inorganic Material*. 2000;2:309-317.
- [33] Astutiningsih S., Alkali activation and curing of aluminosilicate-based geopolymers-PhD Thesis. The University of Western Australia. 2005.
- [34] Rahier, H., Van Mele, B., Wastiels, J, Wu, X., Low-temperature synthesized aluminosilicate glasses. Part II Rheological transformation during low-temperature cure and high-temperature properties of a model compound. *Journal of Material Science*. 1996;31:80-85.
- [35] Rahier, H., Van Mele, B., Wastiels, J, Wu, X., Low-temperature synthesized aluminosilicate glasses. Part I Low-temperature reaction stoichiometry and structure of a model compound. *Journal of Material Science*. 1996;22:71-79.
- [36] Davidovits, J. Geopolymer inorganic polymeric new material, *J. Thermal Analysis*, 1991;37:209.