

DAFTAR PUSTAKA

- ACI Committee 224. 2001. Control of Cracking in Concrete Structures (224R-01), Farmington Hills, Mich: American Concrete Institute.
- Andoyo. 2006. Pengaruh Penggunaan Abu Terbang (Fly Ash) terhadap Kuat Tekan dan Serapan Air pada Mortar. Semarang: Universitas Negeri Semarang.
- ASTM C618-93. 1991. "Standard Test Method for Fly Ash and Row or calcined Natural Pozzolan for Use as a mineral Admixture in *Portland*
- ASTM C39/C39 M-01. 2001. Standard Test Method for Compressive Strength of Cylindrical Concrete Specimen. USA: American Society for Testing and Materials.
- ASTM C270 – 10. 2010. Standard Specification for Mortar for Unit Masonry. ASTM International, 100 Barr Harbour Drive, PO Box c700, West Conshohocken, PA 19428 – 2959, United States.
- Badan Standardisasi Nasional. 2002. SNI 03-6825-2002 Metode pengujian kekuatan tekan mortar semen *portland* untuk pekerjaan sipil. Jakarta : Badan Standarisasi Nasional.
- Badan Standardisasi Nasional. 2002. SNI 03-6414-2002 Pengertian dan Manfaat Fly Ash. Jakarta: Badan Standarisasi Nasional.
- Badan Standardisasi Nasional. 2014. SNI 03-6882-2014 Spesifikasi Mortar Untuk Pekerjaan Pasangan. Jakarta : Badan Standarisasi Nasional.
- Badan Standardisasi Nasional. 2017. SNI 2052:2017 Baja Tulangan Beton. Jakarta : Badan Standarisasi Nasional.
- Davidovits J. 1994. "Geopolymers: Man-Made Rock Geosynthesis and the Resulting Development of Very Early High Strength Cement", Journal Of Materials Education, Vol.16, No2&3, pp.91-137. St. Quentin, France.
- Davidovits J. 1999. "Chemistry of *geopolymeric* systems, terminology", in: The Proceedings of Géopolymère '99, pp 9-39. St. Quentin, France.
- Davidovits J. 2013. "Geopolymer Chemistry and Applications", 3rd Edition, Institut Géopolymère, Saint-Quentin, France, 632 pages.

- Ekaputri, J. J. dan Triwulan. 2013. Sodium sebagai Aktivator Fly Ash, Trass dan Lumpur Sidoarjo dalam Beton Geopolimer, Jurusan Teknik Sipil, ITB, Vol 20 No 1, pp.1-10.27.
- Ekaputri, Januarti J., 2011, Leachable Boron from Fly Ash, Jurnal PURIFIKASI, volume 12 no 2 July 2011. ISSN 1411-3465, page 43-52
- Fansuri, H., Swastika, N. dan Atmaja, L. 2008. Pembuatan dan Karakterisasi *Geopolymer* dari Bahan Abu Layang PLTU Paiton, Akta Kimindo, Vol. 3 No. 2, hal. 61-66.
- Gilbert, R.I., dan Mickleborough, N.C. 1990. Design of Prestressed Concrete. London : Unwin Hyman.
- Hardjito, D. 2001. Abu Terbang Solusi Pencemaran Semen. Artikel Harian Sinar Harapan, Kupang.
- Hardjito, D, dkk. 2004. Factor Influencing The Compressive Strength of Fly ash Based *Geopolymer* Concrete. Perth, Australia.
- Komnitsas, K., dan Zaharaki, D. 2007. *Geopolymerisation: A Review and Prospects for the Minerals Industry*. Minerals Engineering, 20, 1261-1277.
- MacKenzie, Brian. 2005. "101 Performance Evaluation Tests". London : Electric Word plc.
- Malhotra, V.M. 2002. Introduction: Sustainable Development and Concrete Technology. ACI Concrete International. 24 (7), p. 22.
- Ogur, E. 2005. Polyvinyl Alcohol: Materials, Processing and Applications, Springer Vol. 16 Number 12 ISSN: 0809-3144.
- Rodgers, L. 2018. Climate change: The massive CO2 emitter you may not know about. United States.
- Shalumon, K.T. et al. 2010. Sodium Alginate/Poly-Vinyl Alcohol/Nano ZnO Composite Nanofibers for Antibacterial Wound Dressings. Elsevier: International Journal of Biological Macromolecules 49 (2011) 247-254.
- Słowik, M. 2014. Shear failure mechanism in concrete beams. Elsevier Ltd.
- Soroushian dan Bayasi. 1987. Fibre Reinforced Concrete Design And Application, Seminar Proceeding Composite And Structure Centre, Michigan State University.

- Tjokrodimuljo, K. 1996. Teknologi Beton. Jurusan Teknik Sipil. Fakultas Teknik Universitas Gadjah Mada: Yogyakarta.
- Xu, H., dan Van Deventer, J. 2003. The *Geopolymerisation* of Alumino-Silicate Minerals. *International Journal of Mineral Processing*, 247-266.
- Zhang Y, Sun W, Li Z, Eddie, Chungkong C. Impact properties of geopolymer based extrudates incorporated with fly ash and PVA short fibre. *Constr Build Mater* 2008; 22:370–83.
- Zerfu, Kefiyalew. 2017. Effects of PVA Fiber on Bond Strength Improvement in *Geopolymer* Concrete. Departemen Teknik Sipil ITS.
- Zhang, Hai Yan, dkk. 2019. Mechanical behavior of concrete beams shear strengthened wsith textile reinforced *geopolymer* mortar. Department of Civil Engineering, South China University of Technology, Guangzhou, PR China.
- Zhang, Hai Yan, dkk. 2019. Mechanical behavior of concrete beams shear strengthened with textile reinforced *geopolymer* mortar. Department of Civil Engineering, South China University of Technology, Guangzhou, PR China