

DAFTAR PUSTAKA

- ACI Committee 226. 1988. Use of Fly Ash in Concrete. Farmington Hills, MI: American Concrete Concrete Institute.
- ACI Committee 224. 2001. Control of Cracking in Concrete Structures (224R-01), Farmington Hills, Mich: American Concrete Institute.
- Ahmed, H.Q, dkk. 2019. Flexural strength and failure of geopolymer concrete beams reinforced with carbon fibre-reinforced polymer bars. Civil Engineering Department, Salahaddin University, Erbil, Iraq.
- 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 Cement Concrete," American Society for Testing of Concrete's.
- ASTM C39/C39 M-01. 2001. Standard Test Method for Compressive Strength of Cylindrical Concrete Specimen. USA: American Society for Testing and Materials.
- ASTM ASTM E8/E8M-09. 2010. Standard Test Methods for Tension Testing of Metallic Materials. 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. 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 Geopolimer 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.
- Kalaivani M., dkk. 2020. Performance evaluation of fly ash/slag based geopolymer concrete beams with addition of lime. Department of Civil Engineering, K.S. Rangasamy College of Technology, Tamilnadu, India.
- Komnitsas, K., dan Zaharaki, D. 2007. Geopolymerisation: A Review and Prospects for the Minerals Industry. Minerals Engineering, 20, 1261-1277.
- Laskar, S.M., dan Sudip Talukdar. 2019. A study on the performance of damaged RC members repaired using ultra-fine slag based geopolymer mortar. Department of Civil Engineering, Indian Institute of Technology Guwahati, India.
- MacKenzie, Brian. 2005. "101 Performance Evaluation Tests". London : Electric Word plc.
- McCormac, Jack C. 2005. Beton Bertulang Dasar 1. Bandung: PT Penerbit Erlangga.
- Nawy, Edward G. 1998. Reinforced Concrete: A Fundamental Approach (Bambang Suryatmojo, Trans.). Bandung: Refika Aditama. (Karya asli diterbitkan 1985)

- Nawy, Edward G. 2008. *Beton Bertulang – Suatu Pendekatan Dasar*, PT Refika Aditama, Bandung.
- Nawy, E. G. 2010. *Beton Bertulang; Suatu Pendekatan Dasar*. Surabaya: ITS Press
- 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.
- 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.
- 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 with textile reinforced geopolymer mortar*. Department of Civil Engineering, South China University of Technology, Guangzhou, PR China.