

DAFTAR PUSTAKA

- Abdul. (2012). *GEOPOLYMER CONCRETE- A REVIEW*, 1(2).
- ACI Committee 226. (1988). *Use of Fly Ash in Concrete*. Farmington Hills, MI: American Concrete Institute.
- ACI Manual of Concrete Practice 1993 Part 1 226.3R-3. (1993). *Standard Practice for Selecting Proportions for Normal, Heavy, Weight and Mass Concret, Washington, D.C.*
- Agung Sih Damayanti. (2016). *PEMBUATAN REGULAR PORTLAND SEMEN DARI CAMPURAN ABU VULKANIK GUNUNG MERAPI DAN BATUAN KAPUR (DARI JUWANGI DAN GUNUNG KIDUL)*, 1.
- Anonim. (1991). *SK SNI T-15-1990-03 Tata cara Pembuatan Rencana Campuran Beton Normal*. Yayasan Lembaga Penyelidikan Masalah Bangunan, Bandung.
- ASTM C618 fly ash specification: Comparison with other specifications, shortcomings, and solutions. (2021). *ACI Materials Journal*, 118(1).
<https://doi.org/10.14359/51725994>
- ASTM International. (2007). *C 127 – 07 Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate* 1.
- ASTM International. (2003). *C 702 Standard Practice for Reducing Samples of Aggregate to Testing Size*.
- ASTM International. (2015). *C128–15 Standard Test Method for Relative Density (Specific Gravity) and Absorption of Fine Aggregate*.

ASTM International. (2015). *Test Method for Density, Relative Density (Specific Gravity), and Absorption of Fine Aggregate*.

ASTM International. (2017). *Materials Finer than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing, ASTM C117 - 17*.

Atiř, C., Görür, E., Karahan, O., Bilim, C., İlkentapar, S., & Luga, E. (2015).

Very high strength (120MPa) class F fly ash geopolymer mortar activated at different NaOH amount, heat curing temperature and heat curing duration. *Construction and Building Materials*, 96, 673-678.

<https://doi.org/10.1016/j.conbuildmat.2015.08.089>

Austin, T. G. (1984). *Shreve's Chemical Process Industries*.

Chindaprasirt, P., Chareerat, T., & Sirivivatnanon, V. (2007). Workability and strength of coarse high calcium fly ash geopolymer. *Cement and Concrete Composites*, 29(3), 224-229.

<https://doi.org/10.1016/j.cemconcomp.2006.11.002>

Davidovits, Joseph. (1999). *Chemistry of Geopolymeric Systems Terminology. Proceedings of Geopolymer. International Conference, France, 1999*.

Eka Cempaka Putri. (2019). *ANALISIS PENILAIAN RISIKO KEBAKARAN DI GEDUNG X*.

Geopolymer Institute. (2006). *About geopolymerization*.

Gokani, Bhargav. (2017). *GEOPOLYMER CONCRETE WITH FLY ASH AS A BASE MATERIAL*.

- Hager, I., Sitarz, M., & Mróz, K. (2021). Fly-ash based geopolymer mortar for high-temperature application – Effect of slag addition. *Journal of Cleaner Production*, 316, 128168. <https://doi.org/10.1016/j.jclepro.2021.128168>
- Hardjito, D., & Rangan, B.V. (2005). *Development and Properties of Low-calcium Fly Ash Based Geopolymer Concrete*.
- Hasanbeigi, A., Menke, C., & Price, L. (2010). The CO2 abatement cost curve for the Thailand cement industry. *Journal of Cleaner Production*, 18(15), 1509-1518. <https://doi.org/10.1016/j.jclepro.2010.06.005>
- Humpreys, K and Mahasenana, M. (2002). *Towards a sustainable cement industry. Substudy 8: climate change. Switzerland: N. p.*
- Isneini. (2009). *KERUSAKAN DAN PERKUATAN STRUKTUR BETON BERTULANG*, 13.
- J. Davidovits. (2013). *Geopolymer Cement a review, published in Geopolymer Science and Technics, Technical Paper #21, Geopolymer Institute Library.*
www.geopolymer.org
- Lilies Widodojoko. (2010). *Pengaruh Sifat Kimia Terhadap Unjuk Kerja Mortar*, 1.
- M.L. Gambhir. (2004). *Concrete Technology*, Tata McGraw-Hill Education.
- Rickard, W. D., Gluth, G. J., & Pistol, K. (2016). In-situ thermo-mechanical testing of fly ash geopolymer concretes made with quartz and expanded clay aggregates. *Cement and Concrete Research*, 80, 33-43.
<https://doi.org/10.1016/j.cemconres.2015.11.006>

- Schneider, U. (1988). Concrete at high temperatures — A general review. *Fire Safety Journal*, 13(1), 55-68. [https://doi.org/10.1016/0379-7112\(88\)90033-1](https://doi.org/10.1016/0379-7112(88)90033-1)
- Shyamala, G., Swaminathen, A., & Rajasri Reddy, I. (2020). Performance evaluation of concrete using prosopis juliflora as partial replacement of coarse aggregate. *IOP Conference Series: Materials Science and Engineering*, 981(3), 032067. <https://doi.org/10.1088/1757-899x/981/3/032067>
- Sitarz, M., Hager, I., & Kochanek, J. (2018). Effect of high temperature on mechanical properties of geopolymer mortar. *MATEC Web of Conferences*, 163, 06004. <https://doi.org/10.1051/mateconf/201816306004>
- Standar Nasional Indonesia. (1990). *SNI 03 – 1971 – 1990 Metode pengujian kadar air agregat*. BSN.
- Standar Nasional Indonesia. (2000). *SNI 03 – 1736 - 2000 Tata cara perencanaan sistem protekasi pasif untuk pencegahan bahaya kebakaran pada bangunan rumah dan gedung..* BSN.
- Standar Nasional Indonesia. (2002). *SNI 03 – 2847 - 2002 Tata Cara Perhitungan Struktur Beton Untuk Bangunan Gedung*.
- Standar Nasional Indonesia. (2002). *SNI 03-6820-2002 SPESIFIKASI AGREGAT HALUS UNTUK PEKERJAAN ADUKAN DAN PLESTERAN DENGAN BAHAN DASAR SEMEN*.

- Standar Nasional Indonesia. (2002). *SNI 03-6861.3-2002 SPESIFIKASI BAHAN BANGUNAN BAGIAN A (BAHAN BANGUNAN BUKAN LOGAM)*.
- Standar Nasional Indonesia. (2004). *SNI 15-2049- 2004 Semen portland* . Badan Standardisasi Nasional.
- Standar Nasional Indonesia. (2004). *SNI 15-2049-2004 Semen portland*. BSN.
- Standar Nasional Indonesia. (2008). *SNI 1970:2008 Cara uji berat jenis dan penyerapan air agregat halus*. Badan Standardisasi Nasional.
- Standar Nasional Indonesia. (2011). *SNI 1974:2011 Cara uji kuat tekan beton dengan benda uji silinder*. Badan Standardisasi Nasional.
- Standar Nasional Indonesia. (2012). *Metode uji partikel ringan dalam agregat (ASTM C 123-03, IDT.)*. Badan Standardisasi Nasional.
- Standar Nasional Indonesia. (2012). *SNI 7656:2012 Tata cara pemilihan campuran untuk beton normal, beton berat dan beton massa*. BSN.
- Standar Nasional Indonesia. (2016). *SNI 1969:2016 Metode uji berat jenis dan penyerapan air agregat kasar*. BSN.
- Wu, Z., Huen Lo, S., Hai Tan, K., & Leung Su, K. (2019). High strength concrete tests under elevated temperature. *Athens Journal of Technology & Engineering*, 6(3), 141-162. <https://doi.org/10.30958/ajte.6-3-1>
- Zhao, J., Wang, K., Wang, S., Wang, Z., Yang, Z., Shumuye, E. D., & Gong, X. (2021). Effect of elevated temperature on mechanical properties of high-volume fly ash-based geopolymer concrete, mortar and paste cured at room temperature. *Polymers*, 13(9), 1473. <https://doi.org/10.3390/polym13091473>