

DAFTAR PUSTAKA

- [1] L. Su, Y. feng Wang, S. qi Mei, dan P. fei Li, “Experimental investigation on the fundamental behavior of concrete creep,” *Construction and Building Materials*, vol. 152, hal. 250–258, 2017.
- [2] Z. Wu, C. Shi, W. He, dan D. Wang, “Static and dynamic compressive properties of ultra-high performance concrete (UHPC) with hybrid steel fiber reinforcements,” *Cement and Concrete Composites*, vol. 79, hal. 148–157, 2017.
- [3] W. P. Zakka, N. H. Abdul Shukor Lim, dan M. Chau Khun, “A scientometric review of geopolymer concrete,” *Journal of Cleaner Production*, vol. 280, hal. 124353, 2021.
- [4] M. S. M. Norhasri, M. S. Hamidah, dan A. M. Fadzil, “Applications of using nano material in concrete: A review,” *Construction and Building Materials*, vol. 133, hal. 91–97, 2017.
- [5] P. Folino, M. Ripani, H. Xargay, dan N. Rocca, “Comprehensive analysis of Fiber Reinforced Concrete beams with conventional reinforcement,” *Engineering Structures*, vol. 202, no. November 2019, hal. 109862, 2020.
- [6] Z. Liu, F. Zhang, D. Deng, Y. Xie, G. Long, dan X. Tang, “Physical sulfate attack on concrete lining—A field case analysis,” *Case Studies in Construction Materials*, vol. 6, no. March, hal. 206–212, 2017.
- [7] D. Breilly, S. Fadlallah, V. Froidevaux, A. Colas, dan F. Allais, “Origin and industrial applications of lignosulfonates with a focus on their use as superplasticizers in concrete,” *Construction and Building Materials*, vol. 301, hal. 124065, 2021.
- [8] M. Bravo, J. de Brito, L. Evangelista, dan J. Pacheco, “Superplasticizer’s efficiency on the mechanical properties of recycled aggregates concrete: Influence of recycled aggregates composition and incorporation ratio,” *Construction and Building Materials*, vol. 153, hal. 129–138, 2017.
- [9] T. Lee, J. Lee, dan Y. Kim, “Effects of admixtures and accelerators on the development of concrete strength for horizontal form removal upon curing at 10 °C,” *Construction and Building Materials*, vol. 237, hal. 117652,

2020.

- [10] W. Abbass, M. I. Khan, dan S. Mourad, "Evaluation of mechanical properties of steel fiber reinforced concrete with different strengths of concrete," *Construction and Building Materials*, vol. 168, hal. 556–569, 2018.
- [11] G. D. Ashkezari, F. Fotouhi, dan M. Razmara, "Experimental relationships between steel fiber volume fraction and mechanical properties of ultra-high performance fiber-reinforced concrete," *Journal of Building Engineering*, vol. 32, no. December 2019, hal. 101613, 2020.
- [12] A. Beglarigale dan H. Yazıcı, "Electrochemical corrosion monitoring of steel fiber embedded in cement based composites," *Cement and Concrete Composites*, vol. 83, hal. 427–446, 2017.
- [13] R. Siddique *et al.*, "Effect of bacteria on strength, permeation characteristics and micro-structure of silica fume concrete," *Construction and Building Materials*, vol. 142, hal. 92–100, 2017.
- [14] A. K. Akhnoukh dan C. Buckhalter, "Ultra-high-performance concrete: Constituents, mechanical properties, applications and current challenges," *Case Studies in Construction Materials*, vol. 15, no. March, hal. e00559, 2021.
- [15] A. Sassani, H. Ceylan, S. Kim, K. Gopalakrishnan, A. Arabzadeh, dan P. C. Taylor, "Influence of mix design variables on engineering properties of carbon fiber-modified electrically conductive concrete," *Construction and Building Materials*, vol. 152, hal. 168–181, 2017.
- [16] Q. Zhang, X. Feng, X. Chen, dan K. Lu, "Mix design for recycled aggregate pervious concrete based on response surface methodology," *Construction and Building Materials*, vol. 259, 2020.
- [17] A. Habibi dan J. Ghomashi, "Development of an optimum mix design method for self-compacting concrete based on experimental results," *Construction and Building Materials*, vol. 168, hal. 113–123, 2018.
- [18] R. Rumman, M. S. Bari, T. Manzur, M. R. Kamal, dan M. A. Noor, "A Durable Concrete Mix Design Approach using Combined Aggregate Gradation Bands and Rice Husk Ash Based Blended Cement," *Journal of*

Building Engineering, vol. 30, no. May 2019, hal. 101303, 2020.

- [19] W. Huang, H. Kazemi-Kamyab, W. Sun, dan K. Scrivener, "Effect of cement substitution by limestone on the hydration and microstructural development of ultra-high performance concrete (UHPC)," *Cement and Concrete Composites*, vol. 77, hal. 86–101, 2017.
- [20] Z. Liu, S. El-Tawil, W. Hansen, dan F. Wang, "Effect of slag cement on the properties of ultra-high performance concrete," *Construction and Building Materials*, vol. 190, hal. 830–837, 2018.
- [21] V. López-Carrasquillo dan S. Hwang, "Comparative assessment of pervious concrete mixtures containing fly ash and nanomaterials for compressive strength, physical durability, permeability, water quality performance and production cost," *Construction and Building Materials*, vol. 139, hal. 148–158, 2017.
- [22] K. Li, D. Zhang, Q. Li, dan Z. Fan, "Durability for concrete structures in marine environments of HZM project: Design, assessment and beyond," *Cement and Concrete Research*, vol. 115, no. August 2018, hal. 545–558, 2019.
- [23] BSN (Badan Standardisasi Nasional), *Tata Cara Pemilihan Campuran untuk Beton Normal SNI 7656-2012*. 2012.
- [24] Badan Standardisasi Nasional, "SNI 15-2049-2004 Semen Portland," *Badan Standar Nasional Indonesia*, hal. 1–128, 2004.
- [25] H. A. Jaber, R. S. Mahdi, dan A. K. Hassan, "Influence of eggshell powder on the Portland cement mortar properties," *Materials Today: Proceedings*, vol. 20, hal. 391–396, 2020.
- [26] ASTM C150/C150M, "Astm C 150," *ASTM C 150/ C150M-15 Standard specification for portland cement*, vol. i, hal. 1–9, 2019.
- [27] Badan Standardisasi Nasional, "SNI 03-2834-2000: Tata cara pembuatan rencana campuran beton normal," *Badan Standardisasi Nasional*, hal. 1–34, 2000.
- [28] ASTM C33, "Concrete Aggregates 1," vol. i, no. C, hal. 1–11, 2010.
- [29] N. Gupta, A. Gupta, K. K. Saxena, A. Shukla, dan S. K. Goyal, "Mechanical and durability properties of geopolymer concrete composite

- at varying superplasticizer dosage,” *Materials Today: Proceedings*, vol. 44, hal. 12–16, 2021.
- [30] L. Reiter, T. Wangler, A. Anton, dan R. J. Flatt, “Setting on demand for digital concrete – Principles, measurements, chemistry, validation,” *Cement and Concrete Research*, vol. 132, no. March 2020, hal. 106047, 2020.
- [31] M. J. Kim, D. Y. Yoo, dan Y. S. Yoon, “Effects of geometry and hybrid ratio of steel and polyethylene fibers on the mechanical performance of ultra-high-performance fiber-reinforced cementitious composites,” *Journal of Materials Research and Technology*, vol. 8, no. 2, hal. 1835–1848, 2019.
- [32] O. Smirnova, “Concrete mixtures with high-workability for ballastless slab tracks,” *Journal of King Saud University - Engineering Sciences*, vol. 29, no. 4, hal. 381–387, 2017.
- [33] ASTM C1240-15, “C1240 Standard Specification for Silica Fume Used in Cementitious Mixtures,” *Annual Book of ASTM Standards*, vol. 15, hal. 1–7, 2020.
- [34] Z. Zhang, B. Zhang, dan P. Yan, “Comparative study of effect of raw and densified silica fume in the paste, mortar and concrete,” *Construction and Building Materials*, vol. 105, hal. 82–93, 2016.
- [35] Badan Standardisasi Nasional, “SNI 2493-2011: Tata Cara Pembuatan dan Perawatan Benda Uji Beton di Laboratorium,” *Badan Standar Nasional Indonesia*, hal. 23, 2011.
- [36] ASTM C 642-06, “Standard Test Method for Density, Absorption, and Voids in Hardened Concrete, ASTM International, United States,” *Annual Book of ASTM Standards*, no. March, hal. 1–3, 1997.
- [37] BSN, “Sni 1971:2011 Cara Uji Kadar Air Total dengan Pengeringan,” *Bsn*, hal. 6, 2011.
- [38] SNI 1970, “Cara Uji Berat Jenis dan Penyerapan Air Agregat Halus,” *Badan Standar Nasional Indonesia*, hal. 7–18, 2008.
- [39] SNI.03-4142, “Metode Pengujian Jumlah Bahan dalam Agregat yang Lolos Saringan No 200 (0,075 mm),” *Sni 03-4142*, vol. 200, no. 200, hal.

1–6, 1996.

- [40] SNI 2417-2008, “Cara uji keausan agregat dengan mesin abrasi Los Angeles,” *Standar Nasional Indonesia*, hal. 20, 2008.
- [41] M. Tata, C. Pengadukan, P. Beton, dan T. Tujuan, “BAB I Ruang Lingkup Ruang Lingkup Pengertian BAB II PERSYARATAN-PERSYARATAN Bahan Peralatan Pelaksanaan,” hal. 1–16, 1995.
- [42] SNI-1972, “Cara Uji Slump Beton,” 2008.
- [43] B. Sun, T. Noguchi, G. Cai, dan W. Zhao, “Effect of temperature and relative humidity on the development of the compressive strength of surface-layer cement mortar,” *Construction and Building Materials*, vol. 281, hal. 122626, 2021.
- [44] Badan Standardisasi Nasional, “SNI 1974-2011 Cara Uji Kuat Tekan Beton dengan Benda Uji Silinder,” *Badan Standardisasi Nasional Indonesia*, hal. 20, 2011.
- [45] O. A. Mayhoub, E. S. A. R. Nasr, Y. A. Ali, dan M. Kohail, “The influence of ingredients on the properties of reactive powder concrete: A review,” *Ain Shams Engineering Journal*, vol. 12, no. 1, hal. 145–158, 2021.
- [46] H. O. Shin, D. Y. Yoo, J. H. Lee, S. H. Lee, dan Y. S. Yoon, “Optimized mix design for 180 MPa ultra-high-strength concrete,” *Journal of Materials Research and Technology*, vol. 8, no. 5, hal. 4182–4197, 2019.