

DAFTAR PUSTAKA

- American Society for Testing and Materials, 1998. *C-230 Standard Specification for Flow Table for Use in Tests of Hydraulic Cement*, s.l.: s.n.
- American Society for Testing and Materials, 1999. *C-109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)*, s.l.: s.n.
- American Society for Testing and Materials, 1999. *C-191 Standard Test Method for Time of Setting of Hydraulic Cement by Vicat Needle*, s.l.: s.n.
- American Society for Testing and Materials, 1999. *C-305 Standard Practice for Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency*, s.l.: s.n.
- American Society for Testing and Materials, 1999. *C-403 Standard Test Method for Time of Setting of Concrete Mixtures by Penetration Resistance*, s.l.: s.n.
- American Society for Testing and Materials, 2007. *C-1437 Standard Test Method for Flow of Hydraulic Cement Mortar*, s.l.: s.n.
- Assaad, J. J., Yassin, A. A., Alsakka, F. & Hamzeh, F., n.d. A Modular Approach for Steel Reinforcing of 3D Printed Concrete-Preliminary Study.
- Badan Standarisasi Nasional, 1998. *Standar Nasional Indonesia 03-4804-1998 tentang Metode Pengujian Bobot Isi dan Rongga Udara dalam Agregat*, Jakarta: s.n.
- Badan Standarisasi Nasional, 2008. *Standar Nasional Indonesia 1970:2008 tentang Cara Uji Berat Jenis dan Penyerapan Air Agregat Halus*, Jakarta: s.n.
- Buswell, R. A., Leal de Silva, W. R., Jones, S. Z. & Dirrenberger, J., 2018. 3D Printing using Concrete Extrusion: A Roadmap for Research. *Cement and Concrete Research*, Volume 112, pp. 37-49.
- Demyaneko, O., Sorokina, E., Kopanitsa, N. & Sarkisov, Y., 2018. Mortars for 3D Printing. *MATEC Web of Conferences*, 143(Januari 2019).
- Gambhir, M. L., 2004. *Concrete Technology Third Edition*. New Delhi: Tata McGraw-Hill Publishing Company Limited.

- Jo, J. H., Jo, B. W., Cho, W. & Kim, J.-H., 2020. Development of a 3D Printer for Concrete Structures: Laboratory Testing of Cementitious Materials. *International Journal of Concrete Structures and Materials*, 14(1).
- Lediga, R. & Kruger, D., 2017. Optimizing Concrete Mix Design for Application in 3D Printing Technology for The Construction Industry. *Solid State Phenomena*, Volume 263 SSP, pp. 24-29.
- Leemann, A. & Winnefeld, F., 2007. The Effect of Viscosity Modifying Agents on Mortar and Concrete. *Cement and Concrete Composites*, 29(5), pp. 341-349.
- Le, T. T. et al., 2012. Mix Design and Fresh Properties for High-Performance Printing Concrete. *Materials and Structures*, 45(8), pp. 1221-1232.
- Ma, G., Li, Z. & Wang, L., 2018. Printable Properties of Cementitious Material Containing Copper Tailings for Extrusion Based 3D Printing. *Construction and Building Materials*, Volume 162, pp. 613-627.
- Ma, G. & Wang, L., 2018. A Critical Review of Preparation Design and Workability Measurement of Concrete Material for Largescale 3D Printing. *Frontiers of Structural and Civil Engineering*, 12(3), pp. 382-400.
- MarketsandMarkets, 2018. *Markets and Markets*. [Online] Available at: <https://www.marketsandmarkets.com/Market-Reports/3d-concrete-printing-market-10362292.html> [Accessed 1 Juli 2020].
- Nugraha, P. & A., 2007. *TEKNOLOGI BETON dari Material, Pembuatan, ke Beton Kinerja Tinggi*. Yogyakarta: Andi Offset.
- Panda, Biranchi & Tan, M. J., 2018. Experimental Study on Mix Proportion and Fresh Properties of Fly Ash Based Geopolymer for 3D Concrete Printing. *Ceramics International*, 44(9), pp. 10258-10265.
- Satyarno, I. et al., 2014. Practical Method for Mix Design of Cement-based Grout-NC-ND license. *Procedia Engineering* 95, pp. 356-365.
- Tay, Y. W. D., Qian, Y. & Tan, M. J., 2019. Printability Region for 3D Concrete Printing Using Slump and Slump Flow Test. *Composites Part B: Engineering*, Volume 174, p. 106968.



- Tjokrodimuljo, K., 2007. *Teknologi Beton*. Yogyakarta: Biro Penerbit KMTS UGM.
- Verian, K. P. et al., 2020. Properties of 3D Printing Mortar with The Development of a 3D Construction Printing (3DCP) Delivery System. *Transportation Research Record: Journal of the Transportation Research Board*, 2674(2), pp. 1-9.
- Wolfs, R. J. M., Bos, F. P. & Salet, T. A. M., 2019. Hardened Properties of 3D Printed Concrete: The Influence of Process Parameters on Interlayer Adhesion. *Cement and Concrete Research*, 119(Januari), pp. 132-140.
- Yuan, Q. et al., 2019. A Feasible Method for Measuring the Buildability of Fresh 3D Printing Mortar. *Construction and Building Materials*, Volume 227, p. 116600.