

DAFTAR PUSTAKA

- ASTM C 109/C 109M, 2002, Standard Test Method for Compressive Strength of Hydraulic Cement Mortars, *American Society for Testing and Materials*, Vol. 04.
- Attaran, M., 2017, The Rise Of 3-D Printing: The Advantages of Additive Manufacturing Over Traditional Manufacturing, *Business Horizons*, Vol.60, Kelley School of Business, Indiana University.
- Badan Standardisasi Nasional, 1990. 'SNI 03-1974-1990 Metode Pengujian Kuat Tekan', *Badan Standardisasi Nasional Indonesia*.
- Bambang, E., 2011, Pengaruh Variasi Temperatur pada Proses Plastic Injection Molding Jenis RN. 350 dengan Bahan Baku Polypropylene Murni, Campuran Polypropylene, Polyethylene, dan Polystyrene, *Universitas Sumatera Utara*.
- Buswell, R. A., Silva, W.R. Silva, Jones, S.Z., dan Dirrenberge, J., 2018, 3D printing using concrete extrusion: A roadmap for research, *Cement and Concrete Research*, pp. 37–49. doi: 10.1016/j.cemconres.2018.05.006.
- CEN, 2011, European Standard CEM II Portland Composite Cement, EN-197-1, *Comité Européen de Normalisation*.
- Ding, T., Xiao, J., Zou, S., dan Zhou, X., 2020. Anisotropic behavior in bending of 3D printed concrete reinforced with fibers. *Composite Structures*, 254. p. 112808. doi: 10.1016/j.compstruct.2020.112808.
- Djulian, Eko Febri., 2021, Optimasi Parameter Proses pada Mesin 3D *Printer Building Customized* menggunakan Metode *Taguchi*, Skripsi, DTMI, Yogyakarta.
- Husaen, Akhmad Adham Nur., 2021, Optimasi Parameter Proses pada 3D *Printing-Building* menggunakan *Response Surface Method*, Skripsi, DTMI, Yogyakarta.
- ISO/ASTM, 2013, Additive Manufacturing - General Principles Terminology (ASTM 52900), *Rapid Manufacturing Association*.
- Jo, J. H., Jo, B. W., Cho, W., dan Kim, J. H., 2020, Development of a 3D Printer for Concrete Structures: *Laboratory Testing of Cementitious Materials*, *International Journal of Concrete Structures and Materials*, Vol.14, Springer Singapore.
- Krause, M., Otto, J., Bulgakov, A., dan Sayfeddine, D., 2018, Strategic optimization of 3D concrete printing using the method of CONPrint3D®, *ISARC 2018 - 35th International Symposium on Automation and Robotics in*

Construction and International AEC/FM Hackathon: The Future of Building Things.

- Le, T. T., Austin, S. A., Lim, S., Buswell, R. A., Law, R., Gibb, A. G. F., dan Thorpe, T., 2012. Cement and Concrete Research Hardened properties of high-performance printing concrete. *National University of Civil Engineering in Hanoi*. 42, pp. 558–566. doi: 10.1016/j.cemconres.2011.12.003.
- Li, V. C., Bos, F. P., Yu, K., Mcgee, W., Yan, T., Chaves, S., Nefs, K., Mechtcherine, V., Naidu, V., Pan, J., Zijl, G. P. A. G. van, dan Kruger, P. J., 2020. Cement and Concrete Research On the emergence of 3D printable Engineered , Strain Hardening Cementitious Composites (ECC / SHCC). *Cement and Concrete Research*, 132.
- Liu, Z., Li, M., Weng, Y., Wong, T. N., dan Tan, M. J., 2019. Mixture Design Approach to optimize the rheological properties of the material used in 3D cementitious material printing. *Construction and Building Materials Research*, 198, pp. 245–255. doi: 10.1016/j.conbuildmat.2018.11.252.
- Manikandan, K., Wi, K., Zhang, X., Wang, K., dan Qin, H., 2020. Characterizing cement mixtures for concrete 3D printing. *Manufacturing Letters*, 24, pp. 33–37. doi: 10.1016/j.mfglet.2020.03.002.
- Montgomery, D. C., 2017, *Design and Analysis of Experiments, 9th ed.*, John Wiley & Sons Inc., New York.
- Omya, 2015, Omya OMYACARB® 2 – TSV, *OMYACARB® Technical Data Sheets*.
- Panda, B. and Tan, M. J., 2018 ‘Experimental study on mix proportion and fresh properties of fly ash based geopolymers for 3D concrete printing’, *Ceramics International*, 44(9), pp. 10258–10265. doi: 10.1016/j.ceramint.2018.03.031.
- Panda, B., Paul, S. C., Hui, L. J., Tay, Y. W. D., dan Tan, M. J., 2017 ‘Additive manufacturing of geopolymers for sustainable built environment’, *Journal of Cleaner Production*, 167, pp. 281–288. doi: 10.1016/j.jclepro.2017.08.165.
- Panda, B., Unluer, C., dan Jen, M., 2019. Extrusion and rheology characterization of geopolymer nanocomposites used in 3D printing. *Composites Part B*, 176, p. 107290. doi: 10.1016/j.compositesb.2019.107290.
- Pettalolo, Andy Nuril Yunita., 2021, Optimasi Parameter Mesin 3D Printer Building Customized untuk Material Recycle Concrete menggunakan Metode Fractional Factorial Design, Tesis, DTMI, Yogyakarta.
- Rahul, A. v, Santhanam, M., Meena, H., dan Ghani, Z., 2019. 3D printable concrete: Mixture design and test methods. *Cement and Concrete Composites*, 97, pp. 13–23. doi: 10.1016/j.cemconcomp.2018.12.014.

- Sahana, V. W., dan G. T. Thamphi, 2018, 3D Printing Technology in Industry, *Proceedings of the 2nd International Conference on Inventive Systems and Control, ICISC 2018*
- Sika, 2016, Sika ViscoCrete – 3115 N, Concrete admixture for high flow/self-compacting concrete, *Sika Product Data Sheets*.
- Taguchi, G., Chowdhury, S., dan Wu, Y., 2005, *Taguchi's Quality Engineering Handbook*, John Wiley & Sons Inc, New Jersey.
- Tay, Y. W. D., Biranchi, P., Suvash, C.P., Nisar, A.N.M., Ming, J.T., dan kah, F.L., 2017, 3D Printing Trends in Building and Construction Industry: a Review, *Virtual and Physical Prototyping*, 12(3), pp. 261–276. doi: 10.1080/17452759.2017.1326724.
- Tontowi, A.E., Ramdani, L., Erdizon, R.V. dan Baroroh, D.K., 2017, Optimization of 3D-printer process parameters for improving quality of polylactic acid printed part, *International Journal of Engineering and Technology*, 9(2)