

DAFTAR PUSTAKA

- Abdulhameed, O., Ameen, W., Al-Ahmari, A., dan Mian, S. H., 2019, Additive Manufacturing: Challenges, Trends, and Applications, *Advances in Mechanical Engineering*, Vol. 11.
- ASTM C 109/C 109M, 2002, Standard Test Method for Compressive Strength of Hydraulic Cement Mortars, *American Society for Testing and Materials*, Vol. 04.
- ASTM C 39, 2016, Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens, *American Society for Testing and Materials*.
- ASTM C 618-19, 2019, Standard Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use in Concrete, ASTM International, West Conshohocken, PA.
- 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 Pusat Statistik, 2019, Nilai Konstruksi yang Diselesaikan Perusahaan Konstruksi di Indonesia, <https://bps.go.id>, (online accessed 19 Nov 2020).
- Badan Standardisasi Nasional, 2014, Semen Portland Komposit, BSN, Jakarta.
- Bos, F., Wolfs, R., Ahmed, Z., dan Salet, T., 2016, Additive Manufacturing of Concrete in Construction: Potentials and Challenges of 3D Concrete Printing. *Virtual and Physical Prototyping*, Vol. 11.
- Erdizon, R. P., 2017, Optimasi Parameter Proses 3d Printer Untuk Memperoleh Galat Dimensi Terkecil Dan Kuat Tarik Tertinggi Pada Part Berbahan Baku Polylactic Acid (PLA) Menggunakan Metode Taguchi. *Tugas Akhir Teknik Industri UGM*.
- Hoffmann, M., Skibicki, S., Pankratow, P., Zieliński, A., Pajor, M., dan Techman, M., 2020, Automation in The Construction of A 3D-Printed Concrete Wall With The Use of A Lintel Gripper, *Multidisciplinary Digital Publishing Institute*, Vol.13.
- ISO/ASTM, 2013, Additive Manufacturing - General Principles Terminology (ASTM 52900), Rapid Manufacturing Association, <http://astm.org> (online accessed 10 Nov 2020).
- Ismianti, dan Herianto, 2018, Framework Prediksi Penggunaan 3D Printing di Indonesia Pada Tahun 2030, *Seminar Nasional IENACO*.
- Jaya, R. P. 2020, Porous Concrete Pavement Containing Nanosilica From Black

Rice Husk Ash, *New Materials in Civil Engineering*. Elsevier.

- 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.
- Kumar, L. J., Pandey, P. M., dan Wimpenny, D. I., 2018, *3D printing and additive manufacturing technologies*, Springer, Coventry, UK.
- 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*.
- Kruger, J., Cho, S., Zeranka, S., Viljoen, C., dan van Zijl, G., 2020, 3D Concrete Printer Parameter Optimization for High-Rate Digital Construction Avoiding Plastic Collapse, *Composites Part B: Engineering*, Vol.183, Elsevier Ltd.
- Kuncoro, N. A. R. P., 2016, Optimasi Parameter Proses 3D Printer Untuk Memperoleh Galat Dimensi Terkecil dan Kuat Tarik Tertinggi Pada Part Berbahan Baku Polylactic Acid (PLA) Menggunakan Metode 2k Factorial Design. *Tugas Akhir Teknik Industri UGM*.
- Lim, S., Buswell, R. A., Le, T.T., Austin, S. A., Gibb, A. G. F., dan Thorpe, T., 2012, Developments In Construction-Scale Additive Manufacturing Processes, *Automation In Construction*, Vol. 21(1).
- Liu, Z., Li, M., Weng, Y., Qian, Y., Wong, T. N., Tan, M. J., 2020, Modelling And Parameter Optimization For Filament Deformation In 3D Cementitious Material Printing Using Support Vector Machine, *Elsevier*, Vol. 193.
- Malaeb, Z., Hachem, H., Tourbah, A., Maalouf, T., El Zarwi, N., dan Hamzeh, F., 2015, 3D Concrete Printing: Machine and Mix Design, *International Journal of Civil Engineering and Technology*, Vol.6.
- Manju, R., Deepika, R., Gokulakrishnan, T., Srinithi, K., dan Mohamed, M. I., 2019, A Research On 3d Printing Concrete, *International Journal of Recent Technology and Engineering*, Vol.8.
- Montgomery, D.C., 2012, *Design and Analysis of Experiments, 4th edition*, John Wiley & Sons, New York.
- Montgomery, D. C., dan Runger, G. C., 2014, *Applied Statistics and Probability for Engineers, Journal of Quality Technology*, Wiley, USA.
- Panda, B., Mohamed, N. A. N., Paul, S. C., Singh, G. B., Tan, M. J., dan Savija, B., 2019, The Effect of Material Fresh Properties and Process Parameters on

Buildability and Interlayer Adhesion of 3D Printed Concrete, *Multidisciplinary Digital Publishing Institute*, Vol. 12.

Panda, B., Paul, S. C., Mohamed, N. A. M., Tay, Y. W. D., dan Tan, M. J., 2017. Measurement of tensile bond strength of 3D printed geopolymer mortar, *Measurement*.

Ramdani, L., 2015, Optimasi Parameter Proses 3D Printer Untuk Memperoleh Galat Dimensi Terkecil Dan Kuat Tarik Tertinggi Pada Part Berbahan Baku Polylactic Acid (PLA), *Tugas Akhir Teknik Industri UGM*.

Redwood, B., Schoffer, F., dan Garret, B., 2013, *The 3D Printing Handbook: Technologies, design and application*, 3D Hubs B.V, Amsterdam, Netherlands.

Ren, L., Zhou, X., Song, Z., Zhao, C., Liu, Q., Xue, J., dan Li, X., 2017, Process Parameter Optimization of Extrusion-Based 3D Metal Printing Utilizing PW-LDPE-SA Binder System, Vol.10.

Said, M. S., Ghani, J. A., Kassim, M. S., Tomadi, S. H., Hassan, C., Haron, C., dan Kedah, K., 2013, Comparison between Taguchi Method and Response Surface Methodology (RSM) In Optimizing Machining Condition Department of Mechanical & Materials Engineering, *Faculty of Engineering and Built Environment, International Conference on Robust Quality Engineering*.

Sivaros, Milkey, K. R., Samsudin, A. R., Dubey, A. K., dan Kidd, P., 2014, Comparison between Taguchi Method and Response Surface Methodology (RSM) in Modelling CO2 Laser Machining, *Jordan Journal of Mechanical and Industrial Engineering*, Vol. 8.

Sumadiasa, I., Tisnawati, N., dan Wirathi, I., 2016, Analisis Pengaruh Pembangunan Infrastruktur Jalan, Listrik Dan Pma Terhadap Pertumbuhan Pdrb Provinsi Bali Tahun 1993-2014, *E-Jurnal Ekonomi Pembangunan Universitas Udayana*, Vol.5.

Syahputra, M. A., 2016, Optimasi Parameter Proses Mesin 3D Printer Untuk Mendapatkan Kuat Tarik Terbesar dan Galat Dimensi Terkecil Menggunakan Metode 3k Fractional Factorial Design, *Tugas Akhir Teknik Industri UGM*.

Taifa, I. W. R., dan Vhora, T. N., 2019, Cycle Time Reduction for Productivity Improvement in The Manufacturing Industry, *Journal of Industrial Engineering and Management Studies*, Vol.6.

Tay, Y. W. D., Li, M. Y., dan Tan, M. J., 2019, Effect of Printing Parameters In 3D Concrete Printing: Printing Region and Support Structures, *Journal of Materials Processing Technology*, Vol.271.

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),

Winahju, W. S., 2013, Analisis Variansi dan Statistik Matematika Yang Terkait, *Institut Teknologi Sepuluh November*.

Wolfs, R. J. M., 2015, 3d Printing of Concrete Structures Graduation Thesis R.J.M. Wolfs, *Thesis of Eindhoven Univaersity of Technology*.

Wolfs, R. J. M., Bos, F. P., dan Salet, T. A. M., 2019, Hardened Properties Of 3D Printed Concrete: The Influence of Process Parameters on Interlayer Adhesion, *Cement and Concrete Research*, Vol.119, Elsevier.

Xu, J., dan Ding, L., 2018, Volume - Forming 3D Concrete Printing Using a Variable - Diameter Square Nozzle, *Proceedings of the Creative Construction Conference*.