


## DAFTAR PUSTAKA

- [1] H. I. Medellin-Castillo and J. Zaragoza-Siqueiros, "Design and Manufacturing Strategies for Fused Deposition Modelling in Additive Manufacturing: A Review," *Chinese Journal of Mechanical Engineering (English Edition)*, vol. 32, no. 1. Chinese Mechanical Engineering Society, Dec. 01, 2019. doi: 10.1186/s10033-019-0368-0.
- [2] D. M. Yu, C. J. Zhu, J. Su, and D. Wang, "Process analysis and application for rapid prototyping based on fused deposition modeling," in *Advanced Materials Research*, 2011, pp. 875–880. doi: 10.4028/www.scientific.net/AMR.179-180.875.
- [3] D. T. , G. R. S. Pham, "A comparison of rapid prototyping techno," *Int J Mach Tools Manuf*, pp. 1257–1287, 1998.
- [4] Alafaghani. A et.al, "Experimental Optimization of Fused Deposition Modelling Processing Parameters: a Design-for-Manufacturing Approach," *ScienceDirect*, vol. 10, pp. 791–803, 2017.
- [5] S. Cahyati and Y. Al Furqon, "The layer height variation effect on tensile strength of 3D printing product PLA material based," *Jurnal Rekayasa Mesin*, vol. 13, no. 3, pp. 647–657, Dec. 2022, doi: 10.21776/jrm.v13i3.823.
- [6] W. H. Nugroho, N. Firdaus, B. Ali, and N. Nurhadi, "Study on Fatigue Prediction of Composite Seaplane Float Based on The Porpoising Model Test Data," *International Journal of Engineering and Science Applications*, vol. 6, no. 1, pp. 42–47, 2019.
- [7] B. A. Setyawan and Y. Ngadiyono, "Analisis Pengaruh Tingkat Kelembaman Filamen PLA Terhadap Nilai Kekuatan Mekanik Hasil Cetak 3D Printing." [Online]. Available: <https://journal.uny.ac.id/index.php/dynamika/issue/view/2267>
- [8] L. Marşavina *et al.*, "Effect of the manufacturing parameters on the tensile and fracture properties of FDM 3D-printed PLA specimens," *Eng Fract Mech*, vol. 274, Oct. 2022, doi: 10.1016/j.engfracmech.2022.108766.
- [9] T. D. Ngo, A. Kashani, G. Imbalzano, K. T. Q. Nguyen, and D. Hui, "Additive manufacturing (3D printing): A review of materials, methods, applications and challenges," *Compos B Eng*, vol. 143, pp. 172–196, 2018, doi: <https://doi.org/10.1016/j.compositesb.2018.02.012>.
- [10] I. Száva *et al.*, "Dimensional Methods Used in the Additive Manufacturing Process," *Polymers (Basel)*, vol. 15, no. 18, p. 3694, 2023.
- [11] J. M. Chacón, M. A. Caminero, E. García-Plaza, and P. J. Núñez, "Additive manufacturing of PLA structures using fused deposition modelling: Effect of process parameters on mechanical properties and their optimal selection," *Mater Des*, vol. 124, pp. 143–157, 2017.
- [12] H. I. Medellin-Castillo and J. Zaragoza-Siqueiros, "Design and manufacturing strategies for fused deposition modelling in additive manufacturing: A review," *Chinese Journal of Mechanical Engineering*, vol. 32, no. 1, pp. 1–16, 2019.

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- [13] J. Fernandes, A. M. Deus, L. Reis, M. F. Vaz, and M. Leite, "Study of the influence of 3D printing parameters on the mechanical properties of PLA," in *Proc. Int. Conf. Prog. Addit. Manuf*, 2018, pp. 547–552.
- [14] S. L. Park, G. W. Hong, J. Kim, and J. H. Kim, "Influence of fused deposition method 3D printing on thermoelastic effect," *Journal of Mechanical Science and Technology*, vol. 33, no. 11, pp. 5235–5241, Nov. 2019, doi: 10.1007/s12206-019-1013-7.
- [15] H. A. Habeeb, A. H. Abood, and A. E. Mohan, "Influence of Layer Thickness and Infill Density on the Impact Strength of Carbon Particle and Polylactic Acid (CP/PLA) Composite," *Solid State Technology*, vol. 63, no. 2, 2020.
- [16] D. M. Yu, C. J. Zhu, J. Su, and D. Wang, "Process analysis and application for rapid prototyping based on fused deposition modeling," *Adv Mat Res*, vol. 179, pp. 875–880, 2011.
- [17] A. Qattawi, B. Alrawi, and A. Guzman, "Experimental optimization of fused deposition modelling processing parameters: a design-for-manufacturing approach," *Procedia Manuf*, vol. 10, pp. 791–803, 2017.
- [18] R. Biswal and A. Ganesan, "Experimental investigation of design parameters on geometrical accuracy of selective laser sintered parts," *J Manuf Process*, vol. 108, pp. 48–61, 2023, doi: <https://doi.org/10.1016/j.jmapro.2023.10.059>.
- [19] P. Kumar Mishra, S. Ponnusamy, and M. S. Reddy Nallamilli, "The influence of process parameters on the impact resistance of 3D printed PLA specimens under water-absorption and heat-treated conditions," *Rapid Prototyp J*, vol. 27, no. 6, pp. 1108–1123, 2021, doi: 10.1108/RPJ-02-2020-0037.
- [20] W. Li, M. Wang, H. Ma, F. A. Chapa-Villarreal, A. O. Lobo, and Y. S. Zhang, "Stereolithography apparatus and digital light processing-based 3D bioprinting for tissue fabrication," *iScience*, vol. 26, no. 2, p. 106039, 2023, doi: <https://doi.org/10.1016/j.isci.2023.106039>.
- [21] D. Corapi, G. Morettini, G. Pascoletti, and C. Zitelli, "Characterization of a polylactic acid (PLA) produced by Fused Deposition Modeling (FDM) technology," *Procedia Structural Integrity*, vol. 24, pp. 289–295, 2019.
- [22] M. Vinyas, S. J. Athul, and D. Harursampath, "Mechanical characterization of the Poly lactic acid (PLA) composites prepared through the Fused Deposition Modelling process," *Mater Res Express*, vol. 6, no. 10, p. 105359, 2019.
- [23] B. A. Setyawan and Y. Ngadiyono, "Analisis Pengaruh Tingkat Kelembaban Filamen PLA Terhadap Nilai Kekuatan Mekanik Hasil Cetak 3D Printing," *Jurnal Dinamika Vokasional Teknik Mesin*, vol. 7, no. 1, pp. 1–11, 2022.
- [24] Y. Pranata, H. Hasdiansah, and Y. F. Arriyani, "Pengujian Kuat Tarik Produk Cetak 3D Printing Material ABS," in *Seminar Nasional Inovasi Teknologi Terapan*, 2022, pp. 85–91.

- [25] R. N. A. SANTOSO, "Pengaruh Parameter 3d Printing Material Filamen Thermoplastic Polyurethane (Tpu) Terhadap Kualitas Produk 3d Printing Fused Filament Fabrication (Fff) Studi Kasus Soft Mold Vaccum Infusion Process (Vip)," 2022.
- [26] S. R. Subramaniam *et al.*, "3D printing: Overview of PLA progress," in *AIP Conference Proceedings*, American Institute of Physics Inc., Jan. 2019. doi: 10.1063/1.5085958.
- [27] C. DRUGĂ, I. ȘERBAN, B. BRAUN, and A. TULICĂ, "Analysis of the Influence of the Layer Height on the Strength of 3D Printed Structures," 2021.
- [28] G. Percoco, L. Arleo, G. Stano, and F. Bottiglione, "Analytical model to predict the extrusion force as a function of the layer height, in extrusion based 3D printing," *Addit Manuf*, vol. 38, p. 101791, 2021.
- [29] J. LeBlanc *et al.*, "Effect of high pressure salt water absorption on the mechanical characteristics of additively manufactured polymers," *International Journal of Lightweight Materials and Manufacture*, vol. 6, no. 3, pp. 379–391, Sep. 2023, doi: 10.1016/j.ijlmm.2022.12.001.
- [30] D. Tresnoningrum, M. Fajar, K. Hidayat, A. Rasyadi, T. M. I. Hakim, and S. T. Pinindriya, "Estimasi Lepas Landas Pesawat N219 A di Perairan Berdasarkan Data Simulasi Float Konfigurasi 1a," 2021.
- [31] D. William, *Fundamentals of materials science and engineering: an interactive etext*. John Wiley & Sons, 2001.

