DAFTAR PUSTAKA

Abdimas, C., Pengabdian, J., Masyarakat, K., Napitupulu, R. A. M., Siagian, L., Panjaitan, J., Tampubolon, M., Sianturi, L., Sianturi, C. M., & Mei, D. (2021). *Pelatihan Pembuatan Prototype Spare Part Motor Dengan Aplikasi Printer 3D Pada Siswa Siswi Kls XI SMK Swasta Parulian 3 Medan A B S T R A K Sejarah artikel*. *1*(1), 37–44.

Bengue, M. M., Mesnard, T., Chai, F., Maton, M., Tabary, N., Garc, M., Sobocinski, J., Martel, B., & Blanchemain, N. (2023). *Evaluation of a Medical Grade Thermoplastic Polyurethane for the Manufacture of an Implantable Medical Device : The Impact of FDM 3D-Printing and Gamma Sterilization*.

Ghazali, S. (2021). *Comparative Study of the Sensitivity of PLA, ABS, PEEK, and PETG's Mechanical Properties to FDM Printing Process Parameters*.

Haleem, A., Javaid, M., Khan, R. H., & Suman, R. (2020). 3D *Printing* applications in bone tissue engineering. *Journal of Clinical Orthopaedics and Trauma*, *11*, S118–S124. https://doi.org/10.1016/j.jcot.2019.12.002

Idris, M., Seers, T. D., & Alyafei, N. (2022). An operational guide to resin 3D *Printing* of geological macromodels. *MethodsX*, *9*. https://doi.org/10.1016/j.mex.2022.101863

Ismianti, & Herianto. (2020). Adoption of 3D *Printing* in Indonesia and Prediction of Its Application in 2025. *IOP Conference Series: Materials Science and Engineering*, *722*(1). https://doi.org/10.1088/1757-899X/722/1/012028

Kantaros, A., Soulis, E., Ion, F., & Petrescu, T. (2023). *Advanced Composite Materials Utilized in FDM / FFF 3D Printing Manufacturing Processes : The Case of Filled Filaments*. *September*. https://doi.org/10.3390/ma16186210

kumar, A. V. (2022). A Review paper on 3D-*Printing* and Various Processes Used in the 3D-*Printing*. *Interantional Journal of Scientific Research in Engineering and Management*, *06*(05), 538–548. https://doi.org/10.55041/ijsrem13278

Lawson, C. E., Martí, J. M., Radivojevic, T., Jonnalagadda, S. V. R., Gentz, R., Hillson, N. J., Peisert, S., Kim, J., Simmons, B. A., Petzold, C. J., Singer, S. W., Mukhopadhyay, A., Tanjore, D., Dunn, J. G., & Garcia Martin, H. (2021). Machine learning for metabolic engineering: A review. *Metabolic Engineering*, *63*(November 2020), 34–60. https://doi.org/10.1016/j.ymben.2020.10.005

Magdum, Y., Pandey, D., Bankar, A., Harshe, S., Parab, V., Mahesh, M., & Kadam, S. (2019). Process Parameter Optimization for FDM 3D *Print*er. *International Research Journal of Engineering and Technology*, *April*, 1472. www.irjet.net

Maidawati, Rina Sepriani, & Ihsanul Fuadi. (2022). The Latest Trend in Utilization of Organic Fertilizer for Improving Group Productivity Farming. *Jurnal Teknologi*, *12*, 62–67. https://doi.org/10.35134/jitekin.v12i2.76

Mardlotila, M. J., Trifiananto, M., Dwilaksana, D., Basuki, H. A., Kustanto, M. N., & Hardiatama, I. (2022). Effect of layer *high*, *infill* geometry, *nozzle* temperature, and fan speed on tensile strength of 3D *Printing* PETG specimens. *INVOTEK: Jurnal Inovasi Vokasional Dan Teknologi*, *22*(3), 149–158. https://doi.org/10.24036/invotek.v22i3.1045

Mazurchevici, A. D., Nedelcu, D., & Popa, R. (2020). *Additive manufacturing of*

composite materials by FDM technology : A review. *27*(April), 179–192.

Mehta, V., Vilikkathala Sudhakaran, S., & Rath, S. N. (2021). Facile Route for 3D *Printing* of Transparent PETg-Based Hybrid Biomicrofluidic Devices Promoting Cell Adhesion. *ACS Biomaterials Science and Engineering*, *7*(8), 3947–3963. https://doi.org/10.1021/acsbiomaterials.1c00633

Muhammad, A. R., Sakura, R. R., Dwilaksana, D., Sumarji, & Trifiananto, M. (2022). Layer *High*, Temperature *Nozzle*, *Infill* Geometry and *Printing* Speed Effect on Accuracy 3D *Printing* PETG. *R.E.M. (Rekayasa Energi Manufaktur) Jurnal*, *7*(2), 81–88. https://doi.org/10.21070/r.e.m.v7i2.1649

Mwema, F. M., & Akinlabi, E. T. (2020). Basics of Fused Deposition Modelling (FDM). *SpringerBriefs in Applied Sciences and Technology*, 1–15. https://doi.org/10.1007/978-3-030-48259-6_1

Nishida, I., Sawada, H., & Shirase, K. (2023). Automated Generation of Product Assembly Order Based on Geometric Constraints Between Parts. *International Journal of Automation Technology*, *17*(2). https://doi.org/10.20965/ijat.2023.p0167

Petrov, P., Agzamova, D., Pustovalov, V., Zhikhareva, E., Saprykin, B., Chmutin, I., & Shmakova, N. (2021). Research into the effect of the 3D-*Printing* mode on changing the properties of PETG transparent plastic. *ESAFORM 2021 - 24th International Conference on Material Forming*, *13*, 1–11. Https://Doi.Org/10.25518/Esaform21.3763

Riza, E. I., Teknik, F., Studi, P., Mesin, T., Yogyakarta, U. M., Budiyantoro, C., Teknik, F., Studi, P., Mesin, T., Yogyakarta, U. M., Nugroho, A. W., Teknik, F., Studi, P., Mesin, T., & Yogyakarta, U. M. (2020). *Peningkatan Kekuatan Lentur Produk 3d Printing Material Petg Dengan Optimasi Parameter Proses*. 66–75.

Sirjani, E., Migas, M., Cragg, P. J., & Dymond, M. K. (2020). 3d *Print*ed UV/VIS detection systems constructed from transparent *filament*s and immobilised enzymes. *Additive Manufacturing*, *33*(January), 101094. https://doi.org/10.1016/j.addma.2020.101094

Taqdissillah, D., Muttaqin, A. Z., Darsin, M., Dwilaksana, D., & Ilminnafik, N. (2022). The Effect of *Nozzle* Temperature, *Infill* Geometry, Layer *High* and Fan Speed on Roughness Surface in PETG *Filament*. *Journal of Mechanical Engineering Science and Technology (JMEST)*, *6*(2), 74. https://doi.org/10.17977/um016v6i22022p074

Valvez, S., Silva, A. P., & Reis, P. N. B. (2022). Optimization of *Printing* Parameters to Maximize the Mechanical Properties of 3D-*Print*ed PETG-Based Parts. *Polymers*, *14*(13). https://doi.org/10.3390/polym14132564

Wüthrich, M., Gubser, M., Elspass, W. J., & Jaeger, C. (2021). A novel slicing strategy to *Print* overhangs without support material. *Applied Sciences (Switzerland)*, *11*(18). https://doi.org/10.3390/app11188760

Zakaria, S., Stighfarrinata, R., & Maghfiroh, A. M. (2023). Optimasi Parameter Proses 3D *Printing* Terhadap Kuat Tarik *Filament* Petg Menggunakan Metode Taguchi. *JUSTI (Jurnal Sistem Dan Teknik Industri)*, *3*(4), 538. https://doi.org/10.30587/justicb.v3i4.6150