DAFTAR PUSTAKA

Acrylics, Acetals. 2015. “Types of Plastics.” 50(5): 1–8.

Anitha, R., S. Arunachalam, and P. Radhakrishnan. 2001. “Critical Parameters Influencing the Quality of Prototypes in Fused Deposition Modelling.” *Journal of Materials Processing Technology* 118(1–3): 385–88.

Azhar Equbal, Anoop Kumar Sood, Abdul Razzaque Ansari & Md. Asif Equbal. 2017. “Optimization of Process Parameters of FDM Part for Minimiizing Its Dimensional Inaccuracy.” *International Journal of Mechanical and Production Engineering Research and Development* 7(2): 57–66. http://www.tjprc.org/view-archives.php.

Bose, Susmita, Sahar Vahabzadeh, and Amit Bandyopadhyay. 2013. “Bone Tissue Engineering Using 3D Printing.” *Materials Today* 16(12): 496–504. http://dx.doi.org/10.1016/j.mattod.2013.11.017.

Bourell, Dave et al. 2010. “Fused Deposition Modeling of Patient□specific Polymethylmethacrylate Implants.” *Rapid Prototyping Journal* 16(3): 164–73.

Chalasani, Kumar, and Larry Roscoe. 1995. “Support Generation for Fused Deposition Modeling.” *Solid Freeform Fabrication Symposium*: 229–41.

Choi, Jae Won et al. 2011. “Development of a Mobile Fused Deposition Modeling System with Enhanced Manufacturing Flexibility.” *Journal of Materials Processing Technology* 211(3): 424–32. http://dx.doi.org/10.1016/j.jmatprotec.2010.10.019.

Chung Wang, Che, Ta-Wei Lin, and Shr-Shiung Hu. 2007. “Optimizing the Rapid Prototyping Process by Integrating the Taguchi Method with the Gray Relational Analysis.” *Rapid Prototyping Journal* 13(5): 304–15. http://www.emeraldinsight.com/doi/10.1108/13552540710824814.

Cyrilla Indri Parwati, and Purnawan. 2014. “Kajian Kondisi Proses Delignifikasi

Tepung Sohun Dengan Metode Taguchi." 7: 169–74.

Dani, Instika, Lobes Herdiman, and Eko Pujiyanto. 2005. "Penentuan Setting Optimal Dengan Menggunakan Metode Taguchi Dalam Proses Produksi Gypsum Interior Berdasarkan Pengujian Kuat Desak." 4(1): 39–50.

Dudek, P. 2013. "FDM 3D Printing Technology in Manufacturing Composite Elements." *Archives of Metallurgy and Materials* 58(4). http://www.degruyter.com/view/j/amm.2013.58.issue-4/amm-2013-0186/amm-2013-0186.xml.

Fahad, Muhammad, and Neil Hopkinson. 2012. "A New Benchmarking Part for Evaluating the Accuracy and Repeatability of Additive Manufacturing (AM) Processes." *2nd International Conference on Mechanical, Production, and Automobile Engineering*: 234–38. http://psrcentre.org/images/extraimages/412635.pdf.

Febriantoko, Bambang Wahyu, and Rachman Rio Riyanto. 2014. "Pelapisan Produk Hasil Printer 3 Dimensi Dengan Menggunakan Cat Dan Pelapis Resin." : 6–11.

Fernando, Luis, and Villalpando Rosas. 2013. "Scholarship at UWindsor Characterization of Parametric Internal Structures for Components Built by Fused Deposition Modeling."

Galantucci, L. M., I. Bodi, J. Kacani, and F. Lavecchia. 2015. "Analysis of Dimensional Performance for a 3D Open-Source Printer Based on Fused Deposition Modeling Technique." *Procedia CIRP* 28: 82–87. http://dx.doi.org/10.1016/j.procir.2015.04.014.

Gaynor, Andrew T., and James K. Guest. 2016. "Topology Optimization Considering Overhang Constraints: Eliminating Sacrificial Support Material in Additive Manufacturing through Design." *Structural and Multidisciplinary Optimization* 54(5): 1157–72. http://dx.doi.org/10.1007/s00158-016-1551-x.

Gronet, Peter M., Gregory A. Waskewicz, and Charles Richardson. 2003.

"Preformed Acrylic Cranial Implants Using Fused Deposition Modeling: A Clinical Report." *Journal of Prosthetic Dentistry* 90(5): 429–33.

Hunt, Emily J., Chenlong Zhang, Nick Anzalone, and Joshua M. Pearce. 2015. "Polymer Recycling Codes for Distributed Manufacturing with 3-D Printers." *Resources, Conservation and Recycling* 97: 24–30. http://dx.doi.org/10.1016/j.resconrec.2015.02.004.

Jeffrey, Didi Widya Utama, and Soeharsono. 2016. "Rancang Bangun Kontruksi Dan Sistem Gerak Sumbu Pada Mesin." 14: 99–106.

Kaveh, Mahdi, Mohsen Badrossamay, Ehsan Foroozmehr, and Ardeshir Hemasian Etefagh. 2015. "Optimization of the Printing Parameters Affecting Dimensional Accuracy and Internal Cavity for HIPS Material Used in Fused Deposition Modeling Processes." *Journal of Materials Processing Technology* 226: 280–86. http://dx.doi.org/10.1016/j.jmatprotec.2015.07.012.

Kuswanto, Djoko et al. 2017. "Analysis of Geometry Accuracy Using Injection Molding Methods Based on 3D Printer for Implant Production in Cranioplasty Surgery." *Idea Journal Desain* 1(1): 17–22. http://iptek.its.ac.id/index.php/idea/article/view/2832.

Laeng, J., Zahid A. Khan, and S. Y. Khu. 2006. "Optimizing Flexible Behaviour of Bow Prototype Using Taguchi Approach." *Journal of Applied Sciences* 6(3): 622–30.

Lee, B. H., J. Abdullah, and Z. A. Khan. 2005. "Optimization of Rapid Prototyping Parameters for Production of Flexible ABS Object." *Journal of Materials Processing Technology* 169(1): 54–61.

Lubis, Sobron, Sofyan Djamil, and Yolanda Yolanda. 2016. "Pengaruh Orientasi Objek Pada Proses 3D Printing Bahan Polymer Pla Dan Abs Terhadap Kekuatan Tarik Dan Ketelitian Dimensi Produk." *Sinergi* 20(1): 27. http://publikasi.mercubuana.ac.id/index.php/sinergi/article/view/259.

Lubis, Sobron, and David Sutanto. 2014. "Pengaturan Orientasi Posisi Objek Pada

Proses Rapid Prototyping Menggunakan 3D Printer Terhadap Waktu Proses Dan Kwalitas Produk.” 15(1): 27–34.

———. 2016. “Pengaruh Posisi Orientasi Objek Pada Proses Rapid Prototyping 3D Printing Terhadap Kekuatan Tarik Material Polymer.” 20(3): 229–38.

Masood, S. H., and W. Q. Song. 2004. “Development of New Metal/Polymer Materials for Rapid Tooling Using Fused Deposition Modelling.” *Materials and Design* 25(7): 587–94.

Masood, S H. 1996. “Intelligent Rapid Prototyping with Fused Deposition Modelling.” *Rapid Prototyping Journal* 2(1): 24–33. http://www.scopus.com/inward/record.url?eid=2-s2.0-0029749357&partnerID=40&md5=2a38a1937c1afd6381c58c2127096b10.

Mello, Carlos Henrique Pereira et al. 2010. “Análise Da Qualidade Superficial e Dimensional Em Peças Produzidas Por Modelagem Por Deposição de Material Fundido (FDM).” *Revista Produção Online* 10(3): 504–23.

Mohamed, Omar A., Syed H. Masood, and Jahar L. Bhowmik. 2015. “Optimization of Fused Deposition Modeling Process Parameters: A Review of Current Research and Future Prospects.” *Advances in Manufacturing* 3(1): 42–53.

Ning, Fuda, Weilong Cong, Yingbin Hu, and Hui Wang. 2017. “Additive Manufacturing of Carbon Fiber-Reinforced Plastic Composites Using Fused Deposition Modeling: Effects of Process Parameters on Tensile Properties.” *Journal of Composite Materials* 51(4): 451–62. http://journals.sagepub.com/doi/10.1177/0021998316646169.

Paso, El, El Paso, El Paso, and El Paso. 2014. “Im p Ro v e d M e c h a n Ic a l P Ro p e Rtie s of Fused D e p o s Itio n M o d e Lin g -M a n u Fa c Tu Re d P Arts T h Ro u g h B u Ild P a Ra m e Te r M o d Ific a Tio n S.” 136(December).

Patel, Jaimin P, and U J Patel. 2012. “A REVIEW ON VARIOUS APPROACH FOR PROCESS PARAMETER OPTIMIZATION OF FUSED DEPOSITION MODELING (FDM) PROCESS AND TAGUCHI APPROACH FOR

OPTIMIZATION.” 2(2): 361–65.

Rafidah, Ali et al. 2014. “Comparison Design of Experiment (DOE): Taguchi Method and Full Factorial Design in Surface Roughness.” *Applied Mechanics and Materials* 660(October): 275–79. http://www.scientific.net/AMM.660.275.

Sood, Anoop Kumar, R. K. Ohdar, and S. S. Mahapatra. 2009. “Improving Dimensional Accuracy of Fused Deposition Modelling Processed Part Using Grey Taguchi Method.” *Materials and Design* 30(10): 4243–52. http://dx.doi.org/10.1016/j.matdes.2009.04.030.

Spoerk, Martin et al. 2018. “Effect of the Printing Bed Temperature on the Adhesion of Parts Produced by Fused Filament Fabrication.” *Plastics, Rubber and Composites* 47(1): 17–24.

Tian, Xiaoyong et al. 2016. “Interface and Performance of 3D Printed Continuous Carbon Fiber Reinforced PLA Composites.” *Composites Part A: Applied Science and Manufacturing* 88: 198–205. http://dx.doi.org/10.1016/j.compositesa.2016.05.032.

Vaezi, Mohammad, and Chee Kai Chua. 2011. “Effects of Layer Thickness and Binder Saturation Level Parameters on 3D Printing Process.” *International Journal of Advanced Manufacturing Technology* 53(1–4): 275–84.

Volpato, Neri, José Aguiomar Foggiatto, and Daniel Coradini Schwarz. 2014. “The Influence of Support Base on FDM Accuracy in Z.” *Rapid Prototyping Journal* 20(3): 182–91.

Widyanto, Susilo Adi. 2008. “PENGEMBANGAN TEKNOLOGI RAPID PROTOTYPING UNTUK PEMBUATAN PRODUK-PRODUK MULTI MATERIAL.” II(2).

Wong, Y. S., Y. H. Fuh, H. T. Loh, and M. Mahesh. 2002. “Rapid Prototyping and Manufacturing Benchmarking.” *Sofwtare Solutions for RP* 1: 57–94.

Wu, Wenzheng et al. 2017. “Influence of Layer Thickness, Raster Angle, Deformation Temperature and Recovery Temperature on the Shape-Memory Effect of 3D-Printed Polylactic Acid Samples.” *Materials* 10(8).

Zhang, Jin Wen, and An Hua Peng. 2012. “Process-Parameter Optimization for Fused Deposition Modeling Based on Taguchi Method.” *Advanced Materials Research* 538–541: 444–47. http://www.scientific.net/AMR.538-541.444.

Zhang, Jinzhu et al. 2002. “Preparation and Performance of High-Impact Polystyrene (HIPS)/ Nano-TiO 2 Nanocomposites.” *Journal of Applied Polymer Science* 87: 381–85.

Zulhendri, and Yusri. 2008. “Penggunaan Metode Parameter Taguchi Dalam Mengidentifikasi Kekasaran Permukaan Optimum Proses Bubut.” *Jurnal Teknik Mesin* 5(2): 94–101.

Soejanto, Irwan. 2009. Desain Eksperimen Dengan Metode Taguchi. Yogyakarta: Graha Ilmu.

3DHubs. (2018). Retrieved from 3d printers: https://www.3dhubs.com/3d-printers/wanhao-duplicator-i3

Cartouches. (2017). Retrieved from Les matériaux utilisés en impression 3D: le HIPS: https://cartouchescertifiees.com/blogue/materiaux-impression-3d-hips/

Coleparmer. (2018). Retrieved from Fowler 54-815-001-2 Digital Micrometer: https://www.coleparmer.co.uk/i/fowler-54-815-001-2-digital-micrometer-0-0001-in-0-002-mm/9723161

Horne, R. (2015). *Reprap* . Retrieved from Reprap development and further adventures in DIY 3D printing : https://richrap.blogspot.com/2015/10/recycling-plastic-for-3d-printing-why.html

Wohlers. (2016, Januari 17). *Wholers Report 2015*. Retrieved from WholersAssociates: https://wohlersassociates.com/blog/2016/01/popularity-of-fdm/