

DAFTAR PUSTAKA

- [1] Anggraini, D., Dewi, S. K., & Saputro, T. E. 2017. Aplikasi Metode Taguchi Untuk Menurunkan Tingkat Kecacatan Pada Produk Paving. *Jurnal Teknik Industri*, 16(1), 1 <https://doi.org/10.22219/jtiumm.vol16.no1.1-9>
- [2] Arifin, Fatahul., Wang, Min-Wen., Huang, Jyun-Yan. 2019. *OPTIMIZATION OF THE MICRO MOLDING OF A BICONCAVE STRUCTURE. International Journal of Technology 10(2): 269-279*
- [3] Balasubramanian, Sand Ganapathy S. 2011. *Grey relational analysis to determine optimum process parameters for wire electro discharge machining (WEDM). Int. J. of Engineering Science and Technology 3.1, pp. 95-101*
- [4] Bashar, M.F. 2013. *Desain dan Manufaktur Robot Rehabilitasi Anggota Gerak Bawah untuk Pasien Pasca Stroke. Tugas Akhir, Jurusan Teknik Mesin dan Industri, Universitas Gadjah Mada, Yogyakarta.*
- [5] Böğrekci, İsmail., Demircioğlu, Pınar., Sucuoğlu, H. Saygın., Turhanlar, Oğulcan. 2019. *THE EFFECT OF THE INFILL TYPE AND DENSITY ON HARDNESS OF 3D PRINTED PARTS. Aydın Adnan Menderes University, Faculty of Engineering, Mechanical Engineering Department. Aydın, TURKEY*
- [6] Cherian, Benny., Dominic, Clins., G, Vysakh., Vishakh, K R. 2018. *Exo-Glove: A Soft Wearable Robotic Hand for Stroke Survivors. International Research Journal of Engineering and Technology (IRJET). Kothamangalam, Kerala, India*
- [7] Dari, Tanty Wulan., Krisnawati. 2015. Hubungan Program Fisioterapi Dengan Tingkat Kemandirian Pada Pasien Post Stroke. *Jurnal Keperawatan. Vol. VIII 1 Agustus 2015 ISSN 1979 – 8091*

- [8] Farzadia, Arghavan., n, Vicknes Waranb., Mehran Solati Hashjina., Zainal Ariff Abdul Rahmanc., Mitra Asadia., Noor Azuan Abu Osmana. 2015. *Effect of layer printing delay on mechanical properties and dimensional accuracy of 3D printed porous prototypes in bone tissue engineering. Ceramics International* 41.
- [9] Górski, F., Kuczko, W. & Wichniarek, R. 2013. *Influence of process parameters on dimensional accuracy of parts manufactured using fused deposition modelling technology. Advances in Science and Technology Research Journal.* 7 (19), 27–35. Available from: doi: 10.5604/20804075.1062340
- [10] Gronkwena. 2013. *3D Printer Basics*. url://gronkwena.wordpress.com. Diakses pada tanggal 26/01/2019.
- [11] Gunawan, B. "Metode Taguchi Sebagai Salah Satu Alternatif Pengendalian Biaya Mutu,". *Jurnal Akuntansi dan Investasi*. vol. 2, pp. 45-55, 2015.
- [12] Harsono. 1996. *Buku Ajar Neurologi Klinis*. Penerbit Gadjah Mada Press. Yogyakarta.
- [13] Harsono. 1996. *Kapita Selekta neurologi*. Gadjah Mada University Press. Yogyakarta.
- [14] Hoeman, P. 1996. *Rehabilitation Nursing: Process and Application*. Second Edition. Mosby Year Book, Inc, St. Louis, USA.
- [15] Isaac Ayeni, Oyedotun. 2018. *SINTERING AND CHARACTERIZATIONS OF 3D PRINTED BRONZE METAL FILAMENT*. *Department of Mechanical and Energy Engineering Indiana polis*.
- [16] Javed, Saad Ahmed; Liu, Sifeng. 2018. "Predicting the research output/growth of selected countries: application of Even GM (1, 1) and NDGM models", *Scientometrics*, 115: 395–413, doi:10.1007/s11192-017-2586-5

- [17] Kai, Yap Hong., Hoon Lim, Jeong., Goh, James Cho Hong., Yeow, Chen-Hua. 2016. *Design of a Soft Robotic Glove for Hand Rehabilitation of Stroke Patients With Clenched Fist Deformity Using Inflatable Plastic Actuators. Journal of Medical Devices. Singapore*
- [18] Kopeliovich, D. D., *SubsTech substances & Technologies*. 2014. http://www.substech.com/dokuwiki/doku.php?id=hardness_test_methods. Diakses pada tanggal 17/07/2020
- [19] Kumar Nukala, Pavan., Palekar, Siddhant., Solanki, Nayan., Fu, Yige., Patki, Manali., A Shohatee, Ali., Trombetta, Louis & Pate, Ketan. 2018. *Investigating the application of fused deposition modeling 3D printing pattern in preparation of patient tailored dosage forms. Department of Pharmaceutical Sciences, St. Albert's Hall, 8000 Utopia Parkway, Queens, NY 11439, USA., J.3DPrint.Med. 10.2217/3dp-2018-0028)*
- [20] Liu, Y., Liang, X., Saeed, A., et al., *Properties of 3D printed dough and optimization of printing parameters, Innovative Food Science and Emerging Technologies*, <https://doi.org/10.1016/j.ifset.2019.03.008>
- [21] Mandal, U.K., dan Aggarwal, S. 2001. *Studies on rubber–filler interaction in carboxylated nitrile rubber through microhardness measurement, Polymer Testing, Volume 20, Pages 305-311.*
- [22] Mansjoer, A, dkk. 2000. *Kapita Selektta Kedokteran*. Edisi 3. Jilid 2. Penerbit Media Aesculapius Fakultas Kedokteran Universitas Indonesia. Jakarta.
- [23] Min, L., Tai- hua, Z., Chui-hua, G and Nai-gang, L. 2002. *Hardness Testing on Surface Layer of Material and results Analyzing contrastively. CHINESE JOURNAL OF AERONAUT IC S*, pp. 83-89,
- [24] *Mitutoyo Japan Corporation*. 2018. *MEASURING INSTRUMENTS CATALOG, Japan*

- [25]Muharom, M., & Siswandi, S. 2015. Desain Eksperimen Taguchi Untuk Meningkatkan Kualitas Batu Bata Berbahan Baku Tanah Liat. *Journal of Engineering and Management Industrial System*, 3(1), 43-46. <https://doi.org/10.21776/ub.jemis.2015.003.01.7>
- [26]Msallem, Bilal., Sharma, Neha., Cao, Shuaishuai., Halbeisen, Florian S., Zeilhofer, Hans Florian and M. Thieringer, Florian. 2020. *Evaluation of the Dimensional Accuracy of 3D-Printed Anatomical Mandibular Models Using FFF, SLA, SLS, MJ, and BJ Printing Technology. Journal of Clinical Medicine.*
- [27]Nugraha, P. F. (2010). Pengembangan desain CPM (*Continuous Passive Motion*) elbow sebagai alat orthose aktif bagi pasien pasca operasi tulang siku tangan menggunakan kendali Microcontroller AT 89C51. Diakses dari <https://eprints.uns.ac.id/153/>
- [28]O'Driscoll, S. W., Giori, N. J. (2000). *Continuous Passive Motion (CPM): Theory and Principles of Clinical Application. Journal of Rehabilitation Research and Development*, 37(2).
- [29]Pai, Tzu-Yi; Hanaki, Keisuke; Chiou, Ren-Jie. 2013. "Forecasting Hourly Roadside Particulate Matter in Taipei County of Taiwan Based on First-Order and One-Variable Grey Model". *CLEAN - Soil, Air, Water*. 41 (8): 737-742. doi:10.1002/clen.201000402
- [30]Patel G, Manjunath., Krishna, Prasad., dan B. Parappagoudar, Mahesh. 2014. *Optimization of squeeze cast process parameters using taguchi and grey relational analysis. 2nd International Conference on Innovations in Automation and Mechatronics Engineering ICIAME*
- [31]Peace, G. S. Taguchi methods: a hands-on approach: Addison Wesley Publishing Company. 1993.

- [32] Peng, A.; Xiao, X. 2012. *Investigation on Reasons Inducing Error and Measures Improving Accuracy in Fused Deposition Modeling*. *Adv. Inf. Sci. Serv. Sci.*, 4(5), 149–157. DOI: 10.4156/AISS. vol4.issue5.18.)
- [33] Purwanti, O. S., & Maliya, A. 2016. Rehabilitasi pasien pasca stroke. *Berita Ilmu Keperawatan*, 1(1), 43–46.
- [34] Rosehan, Sobron, Y. L., & Christofer. 2017. Variasi Orientasi Objek Dan Layer Bahan Polymer Pada Proses 3d *Printing* Terhadap Nilai Kekasaran Permukaan. Seminar Nasional Mesin dan Industri (SNMI XI) 2017, Lombok.
- [35] Saputra, A. W., Wardana, P. S., Rokhana, R. 2010. Robot Lengan 3 DOF dengan input sinyal EMG. Final Project. EEPIS.
- [36] Satyendra. *Ispat Digest*. 2016. <http://ispatguru.com/material-hardness-and-hardness-testing/>. Diakses pada tanggal 17/07/2020
- [37] Setiawan, Andik Aris; Karuniawan, Bayu Wiro., Arumsari, Nurvita. 2018. Optimasi Parameter 3D *Printing* Terhadap Keakuratan Dimensi dan Kekasaran Permukaan Produk Menggunakan Metode *Taguchi Grey Relational Analysis*. *Proceedings Conference on Design Manufacture Engineering and its Application*. Politeknik Perkapalan Negeri Surabaya
- [38] Soejanto, Irwan. 2009. *Desain Eksperimen Dengan Metode Taguchi*. Graha Ilmu. Yogyakarta.
- [39] Satyanarayana, B. and Prakash, Kode Jaya., 2015. *Component Replication using 3D Printing Technology*. *Procedia Materials Science* 10., p.263 – 269
- [40] Shenzhen Esun Industrial Co.,Ltd. 2018. *Physical and Chemical Properties*. *Safety Data Sheet (SDS)*. Shenzhen, China
- [41] Shenzhen Esun Industrial Co.,Ltd. 2017. *Color Change Filament*. <http://www.esun3d.net/>. Diakses pada tanggal 10/12/2019

- [42] Sidi, Pranowo., & Wahyudi, Muhammad Thoriq. 2013. Aplikasi Metoda Taguchi Untuk Mengetahui Optimasi Kebulatan Pada Proses Bubut Cnc. *Jurnal Rekayasa Mesin Vol.4, No.2 Tahun 2013: 101-108*
- [43] Sunaryo, S. 2012. *Lecture Notes Taguchi Method*. Jurusan Statistika, Fakultas Matematika dan Ilmu Pengetahuan Alam, Institut Teknologi Sepuluh Nopember, Surabaya.
- [44] Syaputra, R., Ali, D. P., Eko, R., Akhyar, H., & Iswanto, P. T. 2016. *INVESTIGASI PERBEDAAN SUHU TUANG TERHADAP SIFAT MEKANIK DENGAN PENGUKURAN KEKERASAN DAN IMPACT PADA PADUAN AL 2024 propagation , easy to cast , corrosion resistant and recycle . High strength to weight ratio means an application as a frame structure , mec. 2, 74-78.*
- [45] Taufik, Ikhwan., Herianto dan Herliansyah, M. K. 2018. *MONITORING DAN ANALISIS MESIN 3D PRINTING BERBASIS SENSOR GETARAN UNTUK MENGOPTIMALKAN KUALITAS HASIL*. Jurnal E-Komtek. Yogyakarta.
- [46] Tejendrasinh S, Raol. 2016. *Effect of process parameter on dimensional accuracy of fused deposition modeling built parts International Journal of Current Research, 8, (04).*
- [47] Tiwaria, Kushagra dan Kumarb, Santosh. 2018. *Analysis of the factors affecting the dimensional accuracy of 3D printed products. Department of Mechanical Engineering, IIT (BHU) Varanasi, 221005, India.*
- [48] Tlegenov, Y., Hong, G. S., & Lu, W. F. 2018. *Nozzle condition monitoring in 3D Printing. Robotics and Computer-Integreted Manufacturing, 54(May), 45-55. <https://doi.org/10.1016/j.rcim.2018.05.010>*
- [49] Wakeel, A., Nasir, M. A., Pasha, R. A., Anjum, N. A dan Shafique, J. 2018. *Experimental and Numerical Simulation of Brinell Hardness Test of Al7075*

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