

DAFTAR PUSTAKA

- Buchenau, T., Mertens, T., Lohner, H., Bruening, H., & Amkreutz, M. (2023). Comparison of Optical and Stylus Methods for Surface Texture Characterisation in Industrial Quality Assurance of Post-Processed Laser Metal Additive Ti-6Al-4V. *Materials*, 16(13). <https://doi.org/10.3390/ma16134815>
- Conjointly Editorial Team. (n.d.). *Factorial Design - Research Methods Knowledge Base*. Conjointly. Retrieved June 2, 2025, from <https://conjointly.com/kb/factorial-designs/>
- DePalma, K., Walluk, M. R., Murtaugh, A., Hilton, J., McConky, S., & Hilton, B. (2020). Assessment of 3D printing using fused deposition modeling and selective laser sintering for a circular economy. *Journal of Cleaner Production*, 264, 121567. <https://doi.org/10.1016/j.jclepro.2020.121567>
- Elayeb, A., Tlija, M., Eltaief, A., Louhichi, B., & Zemzemi, F. (2024). Minimizing Dimensional Defects in FFF Using a Novel Adaptive Slicing Method Based on Local Shape Complexity. *Journal of Manufacturing and Materials Processing*, 8(2). <https://doi.org/10.3390/jmmp8020059>
- Farag, E., Sabet, A., Ebeid, K., & El Sergany, O. (2024). Build angle effect on 3D-printed dental crowns marginal fit using digital light-processing and stereolithography technology: an in vitro study. *BMC Oral Health*, 24(1), 1–6. <https://doi.org/10.1186/s12903-024-03851-4>
- Hamzah, N. A., Razak, N. A. A., Karim, M. S. A., & Salleh, S. Z. (2022). Validation of a roughness parameters for defining surface roughness of prosthetic polyethylene Pe-Lite liner. *Scientific Reports*, 12(1), 1–9. <https://doi.org/10.1038/s41598-022-05173-3>
- Hassanpour, M., Narongdej, P., Alterman, N., Moghtadernejad, S., & Barjasteh, E. (2024). Effects of Post-Processing Parameters on 3D-Printed Dental Appliances: A Review. *Polymers*, 16(19), 1–32. <https://doi.org/10.3390/polym16192795>
- Jankovic, A., Chaudhary, G., & Goia, F. (2021). Designing the design of experiments (DOE) – An investigation on the influence of different factorial designs on the characterization of complex systems. *Energy and Buildings*,

- 250(November), 111298. <https://doi.org/10.1016/j.enbuild.2021.111298>
- Ji, Z., Brion, D. A. J., Samson, K. D. G., & Pattinson, S. W. (2023). Facile method for 3D printing conformally onto uneven surfaces and its application to face masks. *Scientific Reports*, 13(1), 1–11. <https://doi.org/10.1038/s41598-023-48547-x>
- Jiang, T., Yan, B., Jiang, M., Xu, B., Gao, S., Xu, Y., Yu, Y., Ma, T., & Qin, T. (2023). Study of Forming Performance and Characterization of DLP 3D Printed Parts. *Materials*, 16(10). <https://doi.org/10.3390/ma16103847>
- Kang, J. W., Jeon, J., Lee, J. Y., Jeon, J. H., & Hong, J. (2024). Surface-Wetting Characteristics of DLP-Based 3D Printing Outcomes under Various Printing Conditions for Microfluidic Device Fabrication. *Micromachines*, 15(1). <https://doi.org/10.3390/mi15010061>
- Khata, M. T. A. H. M., Sukindar, N. A., Yasir, A. S. H. M., Zawawi, M. F., Kamaruddin, S., & Aziz, A. A. A. (2024). Effect of the Printing Parameters on the Tensile Strength and Surface Roughness of a Photopolymer Resin Using Dlp 3D Printing. *Malaysian Journal of Microscopy*, 20(1), 189–200.
- Krajewski, S. J., Grochała, D., Tomków, J., & Grzejda, R. (2023). Analysis of the Surface Stereometry of Alloyed Austenitic Steel after Fibre Laser Cutting using Confocal Microscopy. *Coatings*, 13(1), 1–15. <https://doi.org/10.3390/coatings13010015>
- Li, P., Fernandez, P. K., Spintzyk, S., Schmidt, F., Yassine, J., Beuer, F., & Unkovskiy, A. (2023). Effects of layer thickness and build angle on the microbial adhesion of denture base polymers manufactured by digital light processing. *Journal of Prosthodontic Research*, 67(4), 562–567. https://doi.org/10.2186/jpr.JPR_D_22_00126
- Lin, C. L., Liu, J. T., & Shin, C. S. (2025). High-Resolution DLP 3D Printing for Complex Curved and Thin-Walled Structures at Practical Scale: Archimedes Microscrew. *Micromachines*, 16(7), 1–11. <https://doi.org/10.3390/mi16070762>
- Luongo, A., Falster, V., Doest, M. B., Ribo, M. M., Eiriksson, E. R., Pedersen, D. B., & Frisvad, J. R. (2020). Microstructure Control in 3D Printing with Digital Light Processing. *Computer Graphics Forum*, 39(1), 347–359.

<https://doi.org/10.1111/cgf.13807>

Mitutoyo. (2010). Quick guide to surface roughness measurement: Reference guide for laboratory and workshop. *Mitutoyo America Corporation*, 1(2229), 1–8. http://www.mitutoyo.com/wp-content/uploads/2012/11/1984_Surf_Roughness_PG.pdf

NC3Rs (National Centre for the Replacement, R. and R. of A. in R. (n.d.). *Group and sample size*. NC3Rs. Retrieved June 2, 2025, from <https://eda.nc3rs.org.uk/experimental-design-group#:~:text=The smaller the sample size,too few animals are used>

Nguyen, T. T., Tran, V. T., Pham, T. H. N., Nguyen, V. T., Thanh, N. C., Thi, H. M. N., Duy, N. V. A., Thanh, D. N., & Nguyen, V. T. T. (2023). Influences of Material Selection, Infill Ratio, and Layer Height in the 3D Printing Cavity Process on the Surface Roughness of Printed Patterns and Casted Products in Investment Casting. *Micromachines*, 14(2). <https://doi.org/10.3390/mi14020395>

Penn State Eberly College of Science. (n.d.). 3.3 - *Experimental Design Terminology*. Penn State Eberly College of Science. Retrieved June 2, 2025, from <https://online.stat.psu.edu/stat509/lesson/3/3.3#:~:text=Randomization is used to remove, trials for removing selection bias>

Qiu, J., Li, J., Guo, Z., Zhang, Y., Nie, B., Qi, G., Zhang, X., Zhang, J., & Wei, R. (2023). 3D Printing of Individualized Microfluidic Chips with DLP-Based Printer. *Materials*, 16(21). <https://doi.org/10.3390/ma16216984>

Sasany, R., Jamjoon, F. Z., Kendirci, M. Y., & Yilmaz, B. (2024). Effect of Printing Layer Thickness on Optical Properties and Surface Roughness of 3D-Printed Resins: An In Vitro Study. *International Journal of Prosthodontics*, 37(7), S165–S173. <https://doi.org/10.11607/ijp.8965>

Schulze, M., Juergensen, L., Rischen, R., Toennemann, M., Reischle, G., Puetzler, J., Gosheger, G., & Hasselmann, J. (2024). Quality assurance of 3D-printed patient specific anatomical models: a systematic review. *3D Printing in Medicine*, 10(1), 1–29. <https://doi.org/10.1186/s41205-024-00210-5>

Science Ready Editorial Team. (n.d.). *Independent, Dependent and Controlled Variables*. Science Ready. Retrieved June 2, 2025, from

https://scienceready.com.au/pages/independent-dependent-and-controlled-variables?srsId=AfmBOooo6oW5SLKz3v3b6zTGTO4OD5u9_tbKzHfNHXS0IAP75YPmVtuE

- Soares, T., Fernandes, C., Barbosa, C., Vaz, M. A. P., Reis, T., & Figueiral, M. H. (2024). Surface Roughness of Polyetheretherketone Printed by Fused Deposition Modeling: A Pilot Study Investigating the Impact of Print Layer Thickness and Polishing Method. *Applied Sciences (Switzerland)*, 14(7). <https://doi.org/10.3390/app14073096>
- Wang, X., Liu, J., Kho, A. S. K., Hong, W., Gilchrist, M. D., & Zhang, N. (2024). Elucidating the mechanism of overcuring in microchannels fabricated via vat photopolymerization (VPP) for precise microfluidic chip printing. *Additive Manufacturing*, 92(August), 104350. <https://doi.org/10.1016/j.addma.2024.104350>
- Yi, J., Yang, S., Yue, L., & Lei, I. M. (2025). Digital light processing 3D printing of flexible devices: actuators, sensors and energy devices. *Microsystems and Nanoengineering*, 11(1). <https://doi.org/10.1038/s41378-025-00885-8>
- Zhou, L., Miller, J., Vezza, J., Mayster, M., Raffay, M., Justice, Q., Al Tamimi, Z., Hansotte, G., Sunkara, L. D., & Bernat, J. (2024). Additive Manufacturing: A Comprehensive Review. *Sensors*, 24(9). <https://doi.org/10.3390/s24092668>