

## DAFTAR PUSTAKA

- Aati, S., Akram, Z., Shrestha, B., Patel, J., Shih, B., Shearston, K., Ngo, H., & Fawzy, A. (2022). Effect of post-curing light exposure time on the physico-mechanical properties and cytotoxicity of 3D-printed denture base material. *Dental Materials*, 38(1), 57–67. <https://doi.org/10.1016/j.dental.2021.10.011>
- Abualsaud, R., & Gad, M. M. (2022). Flexural Strength of CAD/CAM Denture Base Materials: Systematic Review and Meta-analysis of In-vitro Studies. *Journal of International Society of Preventive and Community Dentistry*, 12, 160-170. [https://doi.org/10.4103/jispcd.JISPCD\\_310\\_21](https://doi.org/10.4103/jispcd.JISPCD_310_21)
- Al-Dulaijan, Y. A., Alsulaimi, L., Alotaibi, R., Alboainain, A., Alalawi, H., Alshehri, S., Khan, S. Q., Alsaloum, M., AlRumaih, H. S., Alhumaidan, A. A., & Gad, M. M. (2022). Comparative Evaluation of Surface Roughness and Hardness of 3D Printed Resins. *Materials*, 15(19), 1–13. <https://doi.org/10.3390/ma15196822>
- Alammar, Amirah, Kois J. C., Revilla-León Marta, Att W., dan Dent M. (2022). Additive manufacturing technologies: current status and future perspectives. *Journal of Prosthodont*. 31 (S1). 4-12. <https://doi.org/10.1111/jopr.13477>.
- Alharbi, N., Osman, R., & Wismeijer, D. (2016). Effects of build direction on the mechanical properties of 3D-printed complete coverage interim dental restorations. *Journal of Prosthetic Dentistry*, 115(6), 760–767. <https://doi.org/10.1016/j.prosdent.2015.12.002>
- Alshamrani, A. A., Raju, R., & Ellakwa, A. (2022). Strength and Hardness of a 3D-Printed Resin. *BioMed Research International*, 2022.
- Altaie, S. F. (2023). Tribological, microhardness and color stability properties of a heat-cured acrylic resin denture base after reinforcement with different types of nanofiller particles. *Dental and Medical Problems*, 60(2), 295–302. <https://doi.org/10.17219/dmp/137611>
- Ambrosi, A., & Pumera, M. (2016). 3D-printing technologies for electrochemical applications. *Chemical Society Reviews*, 45(10), 2740–2755. <https://doi.org/10.1039/c5cs00714c>
- American Society for Testing and Materials. (2015). ASTM D2240-15 Standard

- Test Methods for Rubber Property-Durometer Hardness. *Annual Book of ASTM Standards*, 1–13. <https://doi.org/10.1520/D2240-15.2>
- Amirruddin, M. S., Ismail, K. I., & Yap, T. C. (2021). Effect of layer thickness and raster angle on the tribological behavior of 3D printed materials. *Materials Today: Proceedings*, 48(May), 1821–1825. <https://doi.org/10.1016/j.matpr.2021.09.139>
- Arifvianto, B., Putra, A. T., Prayoga, B. T., Mahardika, M., & Suyitno. (2019). Characterization of the Wear Resistance of 3D Printed Polylactic-Acid (PLA) in Water and Bovine Serum. *IOP Conference Series: Materials Science and Engineering*, 547(1). <https://doi.org/10.1088/1757-899X/547/1/012011>
- Arifvianto, B., Putra, A. T., Prayoga, B. T., Dharmastiti, R., Salim, U. A., Mahardika, M., & Suyitno. (2019). Sliding wear characteristics of FDM-processed polylactic-acid in bovine blood serum. *Journal of Mechanical Engineering and Sciences*, 13(4), 5848–5861. <https://doi.org/10.15282/jmes.13.4.2019.10.0466>
- Attaran, M. (2017). The rise of 3-D printing: The advantages of additive manufacturing over traditional manufacturing. *Business Horizons*, 60(5), 677–688. <https://doi.org/10.1016/j.bushor.2017.05.011>
- Basavarajappa, S., Al-Kheraif, A. A. A., ElSharawy, M., & Vallittu, P. K. (2016). Effect of solvent/disinfectant ethanol on the micro-surface structure and properties of multiphase denture base polymers. *Journal of the Mechanical Behavior of Biomedical Materials*, 54, 1–7. <https://doi.org/10.1016/j.jmbbm.2015.09.007>
- Bhagyasree, K., Mukherjee, D., Azamthulla, M., Debnath, S., Sundar, L. M., Hulikal, S., Teja, B. V., Bhatt, S., & Kamnoore, D. (2022). Thiolated sodium alginate/polyethylene glycol/hydroxyapatite nanohybrid for bone tissue engineering. *Journal of Drug Delivery Science and Technology*, 76(September), 103813. <https://doi.org/10.1016/j.jddst.2022.103813>
- Brighenti, R., Marsavina, L., Marghitas, M. P., Montanari, M., Spagnoli, A., & Tatar, F. (2023). The effect of process parameters on mechanical characteristics of specimens obtained via DLP additive manufacturing technology. *Materials Today: Proceedings*, 78, 331–336.

<https://doi.org/10.1016/j.matpr.2023.01.092>

- Broitman, E. (2017). Indentation Hardness Measurements at Macro-, Micro-, and Nanoscale: A Critical Overview. *Tribology Letters*, 65(1), 1–18. <https://doi.org/10.1007/s11249-016-0805-5>
- Brooks, I., Lin, P., Palumbo, G., Hibbard, G. D., & Erb, U. (2008). Analysis of hardness-tensile strength relationships for electroformed nanocrystalline materials. *Materials Science and Engineering: A*, 491(1–2), 412–419. <https://doi.org/10.1016/j.msea.2008.02.015>
- Carvalho, A., Pinto, P., Madeira, S., Silva, F. S., Carvalho, O., & Gomes, J. R. (2020). Tribological Characterization of Dental Restorative Materials. *Biotribology*, 23(March). <https://doi.org/10.1016/j.biotri.2020.100140>
- Castro, E. F. D, Nima, G., Rueggeberg, F. A., & Giannini, M. (2022). Effect of build orientation in accuracy, flexural modulus, flexural strength, and microhardness of 3D-Printed resins for provisional restorations. *Journal of the Mechanical Behavior of Biomedical Materials*, 136(September), 105479. <https://doi.org/10.1016/j.jmbbm.2022.105479>
- Chapa-González, C., Piñón-Urbina, A. L., & García-Casillas, P. E. (2018). Synthesis of controlled-size silica nanoparticles from sodium metasilicate and the effect of the addition of PEG in the size distribution. *Materials*, 11(4), 1–7. <https://doi.org/10.3390/ma11040510>
- Chaudhary, R., Fabbri, P., Leoni, E., Mazzanti, F., Akbari, R., & Antonini, C. (2023). Additive manufacturing by digital light processing: a review. *Progress in Additive Manufacturing*, 8(2), 331–351. <https://doi.org/10.1007/s40964-022-00336-0>
- Choi, W. Il, Yoo, L. gang, Kim, Y. ri, & Jung, B. Y. (2023). Mechanical properties of CAD/CAM polylactic acid as a material for interim restoration. *Heliyon*, 9(4), e15314. <https://doi.org/10.1016/j.heliyon.2023.e15314>
- Dai, M., Song, Q., Lin, T., Huang, X., Xie, Y., Wang, X., Zheng, L., & Yue, J. (2023). Tooth loss, denture use, and all-cause and cause-specific mortality in older adults: a community cohort study. *Frontiers in Public Health*, 11(June). <https://doi.org/10.3389/fpubh.2023.1194054>

- Dhakal, N., Wang, X., Espejo, C., Morina, A., & Emami, N. (2023). Impact of processing defects on microstructure, surface quality, and tribological performance in 3D printed polymers. *Journal of Materials Research and Technology*, 23(January), 1252–1272. <https://doi.org/10.1016/j.jmrt.2023.01.086>
- Dilberoglu, U. M., Gharehpapagh, B., Yaman, U., & Dolen, M. (2017). The Role of Additive Manufacturing in the Era of Industry 4.0. *Procedia Manufacturing*, 11(June), 545–554. <https://doi.org/10.1016/j.promfg.2017.07.148>
- Dimitrova, M., Vlahova, A., Hristov, I., Kazakova, R., Chuchulska, B., Kazakov, S., Forte, M., Granberg, V., Barile, G., Capodiferro, S., & Corsalini, M. (2023). Evaluation of Water Sorption and Solubility of 3D-Printed, CAD/CAM Milled, and PMMA Denture Base Materials Subjected to Artificial Aging. *Journal of Composites Science*, 7(8). <https://doi.org/10.3390/jcs7080339>
- Emami, E., Souza, R. F. de, Kabawat, M., & Feine, J. S. (2013). The Impact of Edentulism on Oral and General Health. *International Journal of Dentistry*. *International Journal of Dentistry*, 2013, 7.
- Emir, F., Ceylan, G., & Ayyıldız, S. (2021). In vitro accuracies of 3D printed models manufactured by two different printing technologies. *European Oral Research*, 55(2), 80–85. <https://doi.org/10.26650/eor.20210060>
- Erdinler, E. S., Koc, K. H., Dilik, T., & Hazir, E. (2019). Layer thickness performances of coatings on MDF: Polyurethane and cellulosic paints. *Maderas: Ciencia y Tecnologia*, 21(3), 317–326. <https://doi.org/10.4067/S0718-221X2019005000304>
- Fadlelmoula, A., Pinho, D., Carvalho, V. H., Catarino, S. O., & Minas, G. (2022). Fourier Transform Infrared (FTIR) Spectroscopy to Analyse Human Blood over the Last 20 Years: A Review towards Lab-on-a-Chip Devices. *Micromachines*, 13(2). <https://doi.org/10.3390/mi13020187>
- Flamourakis, G., Kordas, A., Papageorgiou, M., Pateraki, V., Farsari, M., & Ranella, A. (2023). High-resolution lightweight and multifunctional 3D printed scaffolds for cell studies. *Results in Materials*, 18(February), 100393. <https://doi.org/10.1016/j.rinma.2023.100393>

- Fouassier, Jean-Pierre. (1995). Photoinitiation, photopolymerization, and photocuring: fundamentals and applications. Munich: Hanser
- Ghazy, M., & Hossam, M. (2015). Effect of SLA Process Parameters on Part Build-Time. *25th International Conference on Computer Theory and Applications, ICCTA 2015 - Proceedings, April*, 40–45. <https://doi.org/10.1109/ICCTA37466.2015.9513443>
- Gowda, R. B. S., Udayagiri, C. S., & Narendra, D. D. (2014). Studies on the Process Parameters of Rapid Prototyping Technique (Stereolithography) for the Betterment of Part Quality. *International Journal of Manufacturing Engineering, 2014*, 1–11. <https://doi.org/10.1155/2014/804705>
- Guo, H., Lv, R., & Bai, S. (2019). Recent advances on 3D printing graphene-based composites. *Nano Materials Science, 1*(2), 101–115. <https://doi.org/10.1016/j.nanoms.2019.03.003>
- Güth, J. F., Erdelt K., Keul C., Burian G., Schweiger J., & Edelhoff D. (2020). In vivo wear of CAD-CAM composite versus lithium disilicate full coverage first-molar restorations: a pilot study over 2 years. *Clinical Oral Investigations, 24*(12), 4301-4311. <https://doi.org/10.1007/s00784-020-03294-5>
- Hanon, M. M., Ghaly, A., Zsidai, L., & Klébert, S. (2022). Tribological characteristics of digital light processing (DLP) 3D printed graphene/resin composite: Influence of graphene presence and process settings. *Materials and Design, 218*, 110718. <https://doi.org/10.1016/j.matdes.2022.110718>
- Hanon, M. M., & Zsidai, L. (2020). Tribological and mechanical properties investigation of 3D printed polymers using DLP technique. *AIP Conference Proceedings, 2213*(March). <https://doi.org/10.1063/5.0000267>
- Heintze, S. D., Forjanic, M., & Rousson, V. (2006). Surface roughness and gloss of dental materials as a function of force and polishing time in vitro. *Dental Materials, 22*(2), 146–165. <https://doi.org/10.1016/j.dental.2005.04.013>
- Hossain, M. A., Zhumabekova, A., Paul, S. C., & Kim, J. R. (2020). A review of 3D printing in construction and its impact on the labor market. *Sustainability (Switzerland), 12*(20), 1–21. <https://doi.org/10.3390/su12208492>

- Hu, G., Cao, Z., Hopkins, M., Hayes, C., Daly, M., Zhou, H., & Devine, D. M. (2019). Optimizing the hardness of SLA printed objects by using the neural network and genetic algorithm. *Procedia Manufacturing*, 38(Faim 2019), 117–124. <https://doi.org/10.1016/j.promfg.2020.01.016>
- Hwang, H. J., Lee, S. J., Park, E. J., & Yoon, H. I. (2019). Assessment of the trueness and tissue surface adaptation of CAD-CAM maxillary denture bases manufactured using digital light processing. *Journal of Prosthetic Dentistry*, 121(1), 110–117. <https://doi.org/10.1016/j.prosdent.2018.02.018>
- Imbeni, V., Kruzic, J. J., Marshall, G. W., Marshall, S. J., & Ritchie, R. O. (2005). The dentin-enamel junction and the fracture of human teeth. *Nature Materials*, 4(3), 229–232. <https://doi.org/10.1038/nmat1323>
- 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>
- Jiang, T., Yan, B., Jiang, M., Xu, B., Xu, Y., Yu, Y., Ma, T., & Wang, H. (2022). Enhanced Adhesion—Efficient Demolding Integration DLP 3D Printing Device. *Applied Sciences (Switzerland)*, 12(15). <https://doi.org/10.3390/app12157373>
- Jin, S. J., Kim, D. Y., Kim, J. H., & Kim, W. C. (2019). Accuracy of Dental Replica Models Using Photopolymer Materials in Additive Manufacturing: In Vitro Three-Dimensional Evaluation. *Journal of Prosthodontics*, 28(2), e557–e562. <https://doi.org/10.1111/jopr.12928>
- Kamble, G. N., Chandra Joshi, D., & Asha, S. K. (2023). Design and synthesis of photocrosslinker and light blocker based on L-Amino acid polyester and their application in solvent-free resin formulation for DLP/SLA 3D printing. *Polymer*, 270(February), 125781. <https://doi.org/10.1016/j.polymer.2023.125781>
- Kim, W. T. (2018). Accuracy of dental models fabricated by CAD/CAM milling method and 3D printing method. *Journal of Oral Research*, 7(4), 134–140. <https://doi.org/10.17126/joralres.2018.031>



- Kumar, S. R., Patnaik, A., & Bhat, I. K. (2020). Factors influencing mechanical and wear performance of dental composite: A review. *Materialwissenschaft Und Werkstofftechnik*, 51(1), 96–108. <https://doi.org/10.1002/mawe.201900029>
- Kushwaha, A. K., Gupta, N., & Chattopadhyaya, M. C. (2017). Dynamics of adsorption of Ni(II), Co(II) and Cu(II) from aqueous solution onto newly synthesized poly[N-(4-[4-(aminophenyl)methylphenylmethacrylamide])]. *Arabian Journal of Chemistry*, 10(June 2013), S1645–S1653. <https://doi.org/10.1016/j.arabjc.2013.06.007>
- Lee, J., Kim, H., Kim, H., Lee, T., Kim, J. H., Andreu, A., Kim, S., & Yoon, Y. J. (2022). Average-Accumulated Normalized Dose (A-AND) predicts ultimate tensile strength and elastic modulus of photopolymer printed by vat photopolymerization. *Additive Manufacturing*, 55(March), 102799. <https://doi.org/10.1016/j.addma.2022.102799>
- Lee, W. J., Jo, Y. H., Yilmaz, B., & Yoon, H. I. (2023). Effect of layer thickness, build angle, and viscosity on the mechanical properties and manufacturing trueness of denture base resin for digital light processing. *Journal of Dentistry*, 135(June), 104598. <https://doi.org/10.1016/j.jdent.2023.104598>
- Lesage, P., Dembinski, L., Lachat, R., & Roth, S. (2022). Mechanical characterization of 3D printed samples under vibration: Effect of printing orientation and comparison with subtractive manufacturing. *Results in Engineering*, 13(January). <https://doi.org/10.1016/j.rineng.2022.100372>
- Li, E. G., Waddell, J. N., & Choi, J. J. E. (2021). Wear Resistance of Bulk-Fill Dental Resins Cured by Different Light-Curing Settings. *Biotribology*, 28(June), 100197. <https://doi.org/10.1016/j.biotri.2021.100197>
- Li, R., Wu, Y., Bai, Z., Guo, J., & Chen, X. (2020). Effect of molecular weight of polyethylene glycol on crystallization behaviors, thermal properties and tensile performance of polylactic acid stereocomplexes. *RSC Advances*, 10(69), 42120–42127. <https://doi.org/10.1039/d0ra08699a>
- Li, R., Xu, T., Wang, Y., & Sun, Y. (2022). Accuracy of zirconia crowns manufactured by stereolithography with an occlusal full-supporting structure: An in vitro study. *Journal of Prosthetic Dentistry*, 130(6), 902–907. <https://doi.org/10.1016/j.prosdent.2022.01.015>

- Li, Y., Mao, Q., Li, X., Yin, J., Wang, Y., Fu, J., & Huang, Y. (2019). High-fidelity and high-efficiency additive manufacturing using tunable pre-curing digital light processing. *Additive Manufacturing*, 30(September), 100889. <https://doi.org/10.1016/j.addma.2019.100889>
- Liska, R., Schuster, M., Inführ, R., Turecek, C., Fritscher, C., Seidl, B., Schmidt, V., Kuna, L., Haase, A., Varga, F., Lichtenegger, H., & Stampfl, J. (2007). Photopolymers for rapid prototyping. *Journal of Coatings Technology and Research*, 4(4), 505–510. <https://doi.org/10.1007/s11998-007-9059-3>
- McLister, C., Moore, C., Harkness, S. M., O'Neill, C., Donnelly, M., & McKenna, G. (2022). Appropriateness of tooth replacement strategies for adult patients in the United Kingdom with reduced dentitions – a modified Delphi analysis. *Journal of Dentistry*, 122(January), 104125. <https://doi.org/10.1016/j.jdent.2022.104125>
- Menezes, P. L., Kishore, Kailas, S. V., & Lovell, M. R. (2011). Role of surface texture, roughness, and hardness on friction during unidirectional sliding. *Tribology Letters*, 41(1), 1–15. <https://doi.org/10.1007/s11249-010-9676-3>
- Mimaroglu, A., Unal, H., & Yetgin, S. H. (2018). Tribological Properties of Nanoclay Reinforced Polyamide-6/Polypropylene Blend. *Macromolecular Symposia*, 379(1), 1–6. <https://doi.org/10.1002/masy.201700022>
- Mohamed, S. B., Anandhavasani, S., Basheer Ahamed, S., Ajayharish, R., Barathraj, B., Hariprakash, R., Ravichandran, M., & Kaviarasu, C. (2022). Investigation on mechanical properties of hybrid polymer composites for automobile applications. *Materials Today: Proceedings*, 74, 73–79. <https://doi.org/10.1016/j.matpr.2022.11.239>
- Munshi, N., Rosenblum, M., Jiang, S., & Flinton, R. (2017). In Vitro Wear Resistance of Nano-Hybrid Composite Denture Teeth. *Journal of Prosthodontics*, 26(3), 224–229. <https://doi.org/10.1111/jopr.12412>
- Myshkin, N., & Kovalev, A. (2018). Adhesion and surface forces in polymer tribology—A review. *Friction*, 6(2), 143–155. <https://doi.org/10.1007/s40544-018-0203-0>



- Naik, D. L., & Kiran, R. (2018). On anisotropy, strain rate and size effects in vat photopolymerization based specimens. *Additive Manufacturing*, 23(June), 181–196. <https://doi.org/10.1016/j.addma.2018.08.021>
- Ngo, T. D., Kashani, A., Imbalzano, G., Nguyen, K. T. Q., & Hui, D. (2018). Additive manufacturing (3D printing): A review of materials, methods, applications and challenges. *Composites Part B: Engineering*, 143(February), 172–196. <https://doi.org/10.1016/j.compositesb.2018.02.012>
- Nugroho, A. F. (2024). Kekuatan tekan dan tekuk serta ketangguhan 3d printed poly(methyl methacrylate) sebagai kandidat material untuk baseplate gigi tiruan lengkap. Tesis. Universitas Gadjah Mada
- Oh, R., Lim, J. H., Lee, C. G., Lee, K. W., Kim, S. Y., & Kim, J. E. (2023). Effects of washing solution temperature on the biocompatibility and mechanical properties of 3D-Printed dental resin material. *Journal of the Mechanical Behavior of Biomedical Materials*, 143(March), 105906. <https://doi.org/10.1016/j.jmbbm.2023.105906>
- Osman, R., Alharbi, N., & Wismeijer, D. (2017). Build Angle: Does It Influence the Accuracy of 3D-Printed Dental Restorations Using Digital Light-Processing Technology? *The International Journal of Prosthodontics*, 30(2), 182–188. <https://doi.org/10.11607/ijp.5117>
- Özcan, M., Garcia, L. da F. R., & Volpato, C. A. M. (2021). Bioactive Materials for Direct and Indirect Restorations: Concepts and Applications. *Frontiers in Dental Medicine*, 2(June), 1–10. <https://doi.org/10.3389/fdmed.2021.647267>
- Özdilli, Özgür. (2021). Comparison of the surface quality of the products manufactured by the plastic injection molding and SLA and FDM method. 13 (2). 428-437. 10.29137/umagd.762942.
- Pachiou, A., Roussou, I., & Kourtis, S. (2023). Characterization of Dentures for a Natural Esthetic Result: A Case Report. *The Open Dentistry Journal*, 17(1), 1–5. <https://doi.org/10.2174/18742106-v17-e230111-2022-82>
- Palacios, P. A., Velazquez, A., Zelaya, R., & Patterson, A. E. (2023). Shore hardness of as-printed and dehydrated thermoplastic materials made using fused filament fabrication (FFF). *Materials Today Communications*, 35(March), 105971. <https://doi.org/10.1016/j.mtcomm.2023.105971>

- Park, G. S., Kim, S. K., Heo, S. J., Koak, J. Y., & Seo, D. G. (2019). Effects of printing parameters on the fit of implant-supported 3D printing resin prosthetics. *Materials*, 12(16). <https://doi.org/10.3390/ma12162533>
- Park, J. M., Ahn, J. S., Cha, H. S., & Lee, J. H. (2018). Wear resistance of 3D printing resin material opposing zirconia and metal antagonists. *Materials*, 11(6), 1–10. <https://doi.org/10.3390/ma11061043>
- Park, J. Y., Daksha, P., Lee, G. H., Woo, S., & Chang, Y. (2008). Highly water-dispersible PEG surface modified ultra small superparamagnetic iron oxide nanoparticles useful for target-specific biomedical applications. *Nanotechnology*, 19(36), 1–8. <https://doi.org/10.1088/0957-4484/19/36/365603>
- Piedra-Cascón, W., Krishnamurthy, V. R., Att, W., & Revilla-León, M. (2021). 3D printing parameters, supporting structures, slicing, and post-processing procedures of vat-polymerization additive manufacturing technologies: A narrative review. *Journal of Dentistry*, 109(March). <https://doi.org/10.1016/j.jdent.2021.103630>
- Prayoga, B. T., Suyitno, S., & Dharmastiti, R. (2016). The wear behavior of UHMWPE against surface modified CP-titanium by thermal oxidation. *Tribology in Industry*, 38(4), 543–551.
- Punset, M., Brizuela, A., Pérez-Pevida, E., Herrero-Climent, M., Manero, J. M., & Gil, J. (2022). Mechanical Characterization of Dental Prostheses Manufactured with PMMA–Graphene Composites. *Materials*, 15(15). <https://doi.org/10.3390/ma15155391>
- Putra, A. T. (2018). Ketahanan aus pin polylactic-acid (pla) hasil pencetakan 3-dimensi dan plat titanium untuk aplikasi sendi lutut buatan. Skripsi. Universitas Gadjah Mada
- Ravve, A. (2006). Light-associated reactions of synthetic polymers. New York: Springer.
- Re, N., Ocheri C, Jc, O., & Ps, N. (2020). Empirical Relationship between Hardness and Tensile Strength for Medium Carbon Steel Quenched in Different Media. *Journal of Material Sciences & Engineering*, 9(6), 1–5.

- Riskesdas. (2018). Laporan Riskesdas 2018 Nasional.pdf. In *Lembaga Penerbit Balitbangkes* (p. hal 156)
- Roulet, J.-F., Al-Naser, A., Martin, W., Abdulhameed, N., & Shen, C. (2018). Influence of chewing load on wear rate of polymethyl methacrylate double cross-linked denture teeth in vitro. *Stomatology Edu Journal*, 5(4), 210–219. [https://doi.org/10.25241/stomaeduj.2018.5\(4\).art.1](https://doi.org/10.25241/stomaeduj.2018.5(4).art.1)
- Ryu, J. E., Kim, Y. L., Kong, H. J., Chang, H. S., & Jung, J. H. (2020). Marginal and internal fit of 3D printed provisional crowns according to build directions. *Journal of Advanced Prosthodontics*, 12(4), 225–232. <https://doi.org/10.4047/jap.2020.12.4.225>
- Sajewicz, E., & Kulesza, Z. (2007). A new tribometer for friction and wear studies of dental materials and hard tooth tissues. *Tribology International*, 40(5), 885–895. <https://doi.org/10.1016/j.triboint.2006.09.006>
- Sandi, A. (2022). Pengaruh parameter cetak mesin stereolithography (sla) pada sifat mekanis dan karakteristik permukaan material mahkota gigi palsu polyethylene glycol (peg) dan polylactid acid (pla). Tesis. Universitas Gadjah Mada.
- Sandi, A., Mahardika, M., Cahyono, S. I., Salim, U. A., Pratama, J., & Arifvianto, B. (2022). [Influence of Print Parameter Variation and Post-Process on the Hardness Level of Three-Dimensional Printed Specimens Based on Stereolithography (SLA)]. *Prosiding Seminar Nasional Teknologi Informasi Dan Kedirgantaraan*, VII, 33–46.
- Schönherr, J. A., Baumgartner, S., Hartmann, M., & Stampfl, J. (2020). Stereolithographic additive manufacturing of high precision glass ceramic parts. *Materials*, 13(7), 5–7. <https://doi.org/10.3390/ma13071492>
- Seprianto, D., Sugiantoro, R., Siproni, Yahya, & Erwin, M. (2020). The Effect of Rectangular Parallel Key Manufacturing Process Parameters Made with Stereolithography DLP 3D Printer Technology Against Impact Strength. *Journal of Physics: Conference Series*, 1500(1). <https://doi.org/10.1088/1742-6596/1500/1/012028>

- Shah, D. M., Morris, J., Plaisted, T. A., Amirkhizi, A. V., & Hansen, C. J. (2021). Highly filled resins for DLP-based printing of low density, high modulus materials. *Additive Manufacturing*, 37(August 2020), 101736. <https://doi.org/10.1016/j.addma.2020.101736>
- Shin, S. H., Doh, R. M., Lim, J. H., Kwon, J. S., Shim, J. S., & Kim, J. E. (2021). Evaluation of dimensional changes according to aging period and postcuring time of 3d-printed denture base prostheses: An in vitro study. *Materials*, 14(20). <https://doi.org/10.3390/ma14206185>
- Spasojevic, P., Zrilic, M., Panic, V., Stamenkovic, D., Seslija, S., & Velickovic, S. (2015). The Mechanical Properties of a Poly(methyl methacrylate) Denture Base Material Modified with Dimethyl Itaconate and Di-n-butyl Itaconate. *International Journal of Polymer Science*, 2015(June). <https://doi.org/10.1155/2015/561012>
- Sperber, G. H. (2017). Dental wear: Attrition, erosion, and abrasion-a palaeo-odontological approach. *Dentistry Journal*, 5(2). <https://doi.org/10.3390/dj5020019>
- Suchanek, W., & Yoshimura, M. (1998). Processing and properties of hydroxyapatite-based biomaterials for use as hard tissue replacement implants. *Journal of Materials Research*, 13(1), 94-117.
- Sugumaran, D., & Karim, K. J. A. (2017). Removal of copper (II) ion using chitosan-graft-poly(methyl methacrylate) as adsorbent. *EProceedings Chemistry*, 2(1), 1–11. <https://doi.org/10.13140/RG.2.2.33911.93601>
- Tahayeri, A., Morgan, M. C., Fugolin, A. P., Bompolaki, D., Athirasala, A., Pfeifer, C. S., Ferracane, J. L., & Bertassoni, L. E. (2018). 3D printed versus conventionally cured provisional crown and bridge dental materials. *Dental Materials*, 34(2), 192–200. <https://doi.org/10.1016/j.dental.2017.10.003>
- Thirumalvalavan, S., Senthilkumar, N., Deepanraj, B., & Syam Sundar, L. (2023). Assessment of mechanical properties of flax fiber reinforced with Delrin polymer composite. *Materials Today: Proceedings*, xxxx. <https://doi.org/10.1016/j.matpr.2023.03.087>

- Tigmeanu, Codruta V., Ardelean L. C., Rusu Laura-Cristina, dan Negrutiu Meda-Lavinia. (2022). Additive Manufactured Polymers in Dentistry, Current State-of-the-Art and Future Perspectives-A Review. *Polymers*. 14(17). 3658. <https://doi.org/10.3390/polym14173658>.
- Tiwarly, V. K., Arunkumar, P., Deshpande, A. S., & Rangaswamy, N. (2019). Surface enhancement of FDM patterns to be used in rapid investment casting for making medical implants. *Rapid Prototyping Journal*, 25(5), 904–914. <https://doi.org/10.1108/RPJ-07-2018-0176>
- Unkovskiy, A., Schmidt, F., Beuer, F., Li, P., Spintzyk, S., & Fernandez, P. K. (2021). Stereolithography vs. Direct light processing for rapid manufacturing of complete denture bases: An in vitro accuracy analysis. *Journal of Clinical Medicine*, 10(5), 1–14. <https://doi.org/10.3390/jcm10051070>
- Uzcategui, A. C., Muralidharan, A., Ferguson, V. L., Bryant, S. J., & McLeod, R. R. (2018). Understanding and Improving Mechanical Properties in 3D printed Parts Using a Dual-Cure Acrylate-Based Resin for Stereolithography. *Advanced Engineering Materials*, 20(12), 1–10. <https://doi.org/10.1002/adem.201800876>
- Venkatesha, B. K., Saravanan, R., & Anand Babu, K. (2020). Effect of moisture absorption on woven bamboo/glass fiber reinforced epoxy hybrid composites. *Materials Today: Proceedings*, 45, 216–221. <https://doi.org/10.1016/j.matpr.2020.10.421>
- Vijayakumari, G., Selvakumar, N., Jeyasubramanian, K., & Mala, R. (2013). Investigation on the electrical properties of polymer metal nanocomposites for physiological sensing applications. *Physics Procedia*, 49(December), 67–78. <https://doi.org/10.1016/j.phpro.2013.10.012>
- Wada, J., Wada, K., Garoushi, S., Shinya, A., Wakabayashi, N., Iwamoto, T., Vallittu, P. K., & Lassila, L. (2023). Effect of 3D printing system and post-curing atmosphere on micro- and nano-wear of additive-manufactured occlusal splint materials. *Journal of the Mechanical Behavior of Biomedical Materials*, 142(March), 105799. <https://doi.org/10.1016/j.jmbbm.2023.105799>

- Wang, B., Luo, B., Hu, W., Bao, W., & Fan, H. (2023). Manufacturing and mechanical testing of woven lattice truss C-sandwich radome composites. *Composite Structures*, 308(December 2022), 116675. <https://doi.org/10.1016/j.compstruct.2023.116675>
- Wang, G., Wang, S., Dong, X., Zhang, Y., & Shen, W. (2023). Recent progress in additive manufacturing of ceramic dental restorations. *Journal of Materials Research and Technology*, 26, 1028–1049. <https://doi.org/10.1016/j.jmrt.2023.07.257>
- Wang, Y., Ahmed, A., Azam, A., Bing, D., Shan, Z., Zhang, Z., Tariq, M. K., Sultana, J., Mushtaq, R. T., Mehboob, A., Xiaohu, C., & Rehman, M. (2021). Applications of additive manufacturing (AM) in sustainable energy generation and battle against COVID-19 pandemic: The knowledge evolution of 3D printing. *Journal of Manufacturing Systems*, 60(July), 709–733. <https://doi.org/10.1016/j.jmsy.2021.07.023>
- Wang, Y., Li, X., Chen, Y., & Zhang, C. (2021). Strain rate dependent mechanical properties of 3D printed polymer materials using the DLP technique. *Additive Manufacturing*, 47(October), 102368. <https://doi.org/10.1016/j.addma.2021.102368>
- Wetselaar, P., Manfredini, D., Ahlberg, J., Johansson, A., Aarab, G., Papagianni, C. E., Reyes Sevilla, M., Koutris, M., & Lobbezoo, F. (2019). Associations between tooth wear and dental sleep disorders: A narrative overview. *Journal of Oral Rehabilitation*, 46(8), 765–775. <https://doi.org/10.1111/joor.12807>
- Xu, Y., Zhu, Y., Sun, Y., Jin, J., & Chen, Y. (2021). A vibration-assisted separation method for constrained-surface-based stereolithography. *Journal of Manufacturing Science and Engineering, Transactions of the ASME*, 143(5). <https://doi.org/10.1115/1.4048445>
- Yadav, V., Sharma, P. K., Murty, U. S., Mohan, N. H., Thomas, R., Dwivedy, S. K., & Banerjee, S. (2021). 3D printed hollow microneedles array using stereolithography for efficient transdermal delivery of rifampicin. *International Journal of Pharmaceutics*, 605(June), 120815. <https://doi.org/10.1016/j.ijpharm.2021.120815>



- Zafar, M. S. (2020). Prosthodontic applications of polymethyl methacrylate (PMMA): An update. *Polymers*, 12(10), 1–35. <https://doi.org/10.3390/polym12102299>
- Zhang, J., Hu, Q., Wang, S., Tao, J., & Gou, M. (2020). Digital light processing based three-dimensional printing for medical applications. *International Journal of Bioprinting*, 6(1), 12–27. <https://doi.org/10.18063/ijb.v6i1.242>