

DAFTAR PUSTAKA

- [1] M. R. Khosravani, P. Soltani, K. Weinberg, and T. Reinicke, "Structural integrity of adhesively bonded 3D-printed joints," *Polym Test*, vol. 100, Aug. 2021, doi: 10.1016/j.polymertesting.2021.107262.
- [2] Ç. Kahya, O. Tunçel, O. Çavuşoğlu, and K. Tüfekci, "Thermal annealing optimization for improved mechanical performance of PLA parts produced via 3D printing," *Polym Test*, vol. 144, Mar. 2025, doi: 10.1016/j.polymertesting.2025.108735.
- [3] F. Marchione, "Stress Analysis in Single-Lap Adhesive Joints: Comparison of Unreinforced, Reinforced and Prestressed Configurations Assembled with Brittle Structural Adhesives," *Materials*, vol. 18, no. 18, Sep. 2025, doi: 10.3390/ma18184224.
- [4] M. Abbasi, R. Ciardiello, and L. Goglio, "Experimental Study on the Effect of Bonding Area Dimensions on the Mechanical Behavior of Composite Single-Lap Joint with Epoxy and Polyurethane Adhesives," *Applied Sciences (Switzerland)*, vol. 13, no. 13, Jul. 2023, doi: 10.3390/app13137683.
- [5] N. Atikah *et al.*, "Investigation of Adhesive Joint Strength for Dissimilar Metal Adherends by Using Taguchi Method," in *IOP Conference Series: Materials Science and Engineering*, Institute of Physics Publishing, Nov. 2018. doi: 10.1088/1757-899X/429/1/012098.
- [6] M. T. Aranda, L. Távara, J. Reinoso, and P. P. Camanho, "Single lap joint (SLJ) fracture assessment of 3D printing composite parts using structured and flat interface definitions: Experimental and numerical study," *Compos Struct*, vol. 355, Feb. 2025, doi: 10.1016/j.compstruct.2024.118788.
- [7] S. Akpinar, M. O. Doru, A. Özel, M. D. Aydin, and H. G. Jahanpasand, "The effect of the spew fillet on an adhesively bonded single-lap joint subjected to bending moment," *Compos B Eng*, vol. 55, pp. 55–64, 2013, doi: 10.1016/j.compositesb.2013.05.056.
- [8] Ç. Kahya, O. Tunçel, O. Çavuşoğlu, and K. Tüfekci, "Thermal annealing optimization for improved mechanical performance of PLA parts produced via 3D printing," *Polym Test*, vol. 144, Mar. 2025, doi: 10.1016/j.polymertesting.2025.108735.

- [9] J. Teknik Mesin and P. Manufaktur Negeri Bangka Belitung, "Optimasi Parameter Proses 3D Printing FDM Terhadap Akurasi Dimensi Menggunakan Filament Eflex," *Jurnal Teknologi Manufaktur*, vol. 11, no. 01, 2019.
- [10] Wahyudi Hafizi Pratama, "Optimasi Parameter Proses 3d Printing Terhadap Kuat Tarik Filamen Pla + Menggunakan Metode Taguchi".
- [11] L. F. M. da Silva, R. J. C. Carbas, G. W. Critchlow, M. A. V. Figueiredo, and K. Brown, "Effect of material, geometry, surface treatment and environment on the shear strength of single lap joints," *Int J Adhes Adhes*, vol. 29, no. 6, pp. 621–632, Sep. 2009, doi: 10.1016/j.ijadhadh.2009.02.012.
- [12] K. C. Shin, J. J. Lee, and D. G. Lee, "A study on the lap shear strength of a co-cured single lap joint," *J Adhes Sci Technol*, vol. 14, no. 1, pp. 123–139, Jan. 2000, doi: 10.1163/156856100742140.
- [13] I. Manoj and A. Jain, "Strength improvement and failure analysis of dissimilar FDM printed single-lap joints with tailored interface geometry," *Int J Adhes Adhes*, vol. 136, Jan. 2025, doi: 10.1016/j.ijadhadh.2024.103876.
- [14] H. Ejaz, H. Y. Khan, F. A. Mazhar, and I. U. Haq, "An experimental and simulation study of various geometric modifications effects in single lap joint," *Forces in Mechanics*, vol. 9, Dec. 2022, doi: 10.1016/j.finmec.2022.100144.
- [15] W. He *et al.*, "A Review on the Aging Behavior of BADGE-Based Epoxy Resin," Jul. 01, 2025, *Multidisciplinary Digital Publishing Institute (MDPI)*. doi: 10.3390/buildings15142450.
- [16] H. Wei, D. Wang, and W. Xing, "Strengthening and Toughening Technology of Epoxy Resin," in *Journal of Physics: Conference Series*, Institute of Physics, 2023. doi: 10.1088/1742-6596/2468/1/012066.
- [17] A. Szewczak and G. Łagód, "Adhesion of Modified Epoxy Resin to a Concrete Surface," *Materials*, vol. 15, no. 24, Dec. 2022, doi: 10.3390/ma15248961.
- [18] B. Qi, Q. X. Zhang, M. Bannister, and Y. W. Mai, "Investigation of the mechanical properties of DGEBA-based epoxy resin with nanoclay additives," *Compos Struct*, vol. 75, no. 1–4, pp. 514–519, Sep. 2006, doi: 10.1016/j.compstruct.2006.04.032.
- [19] F. Marchione, "Stress Analysis in Single-Lap Adhesive Joints: Comparison of Unreinforced, Reinforced and Prestressed Configurations Assembled with Brittle Structural Adhesives," *Materials*, vol. 18, no. 18, p. 4224, Sep. 2025, doi: 10.3390/ma18184224.

- [20] Z. Lin *et al.*, “Enhanced interlayer adhesion and regulated tribological behaviors of 3D printed poly(ether ether ketone) by annealing,” *Tribol Int*, vol. 202, Feb. 2025, doi: 10.1016/j.triboint.2024.110362.
- [21] A. Dualeh, N. Tétreault, T. Moehl, P. Gao, M. K. Nazeeruddin, and M. Grätzel, “Effect of annealing temperature on film morphology of organic-inorganic hybrid pervoskite solid-state solar cells,” *Adv Funct Mater*, vol. 24, no. 21, pp. 3250–3258, Jun. 2014, doi: 10.1002/adfm.201304022.
- [22] M. R. Khosravani, P. Soltani, K. Weinberg, and T. Reinicke, “Structural integrity of adhesively bonded 3D-printed joints,” *Polym Test*, vol. 100, Aug. 2021, doi: 10.1016/j.polymertesting.2021.107262.
- [23] A. P. Pisharody, B. Blandford, D. E. Smith, and D. A. Jack, “An experimental investigation on the effect of adhesive distribution on strength of bonded joints,” *Applied Adhesion Science*, vol. 7, no. 1, Dec. 2019, doi: 10.1186/s40563-019-0122-y.
- [24] L. F. M da Silva, R. J. C Carbas, G. W. Critchlow, M. A. V Figueiredo, and K. Brown, “Effect of material, geometry, surface treatment and environment on the shear strength of single lap joints,” 2017. [Online]. Available: <https://dspace.lboro.ac.uk/>

