

DAFTAR PUSTAKA

- Alika, R. S., Tasya, R. A., Fata, K. K., Maulana, R. F., & Rahayu, M. (2023). Penerapan metode *Human Centric Design* dalam perancangan produk casing handphone. *Jati Unik: Jurnal Ilmiah Teknik dan Manajemen Industri*, xx(xx), xx–xx. <https://www.scribd.com/document/701157907/Jurnal-Human-Centric-Design-Kelompok-Casing-Handphone>
- All3DP. (n.d.). *IKEA 3D-printer enclosure tutorial*. All3DP. Retrieved June 2025, from <https://all3dp.com/2/ikea-3d-printer-enclosure-tutorial/>
- Anggrini, A. (2020). *Alternatif model penyusunan mood board sebagai metode berpikir kreatif dalam pengembangan konsep visual*. *Journal Printing and Packaging Technology*, 1(1), hlm. 1–7.
- Aprilyani, K. (2022). *Proses pembuatan bunga berbahan dasar akrilik* (Tesis D3). Politeknik Negeri Jakarta. Repository Politeknik Negeri Jakarta. <https://repository.pnj.ac.id/id/eprint/9257/2/Identitas%20TA.pdf>
- Ariobimo, R. D. S., Aji, D. P. B., Prayitno, D., Muslih, E. Y., Anas, M. S., Eddy, N., Triyono, T., Sukarnoto, T., Oktaviano, Y., & Mujalis, Y. (2020). Pengenalan material dan karakterisasinya bagi masyarakat industri (*Introduction to Material and Its Characterization for Industrial Communities*). *Jurnal Abdi Masyarakat Indonesia (JAMIN)*, Vol. 2(1), 21–28. <https://doi.org/10.31505/jamin.v2i1.6428>
- Ariyanti, N., Marleni, & Prasrihamni, M. (2022). Analisis faktor penghambat membaca permulaan pada siswa kelas I di SD Negeri 10 Palembang. *Jurnal Pendidikan dan Konseling*, 4(4), 1–8. Universitas Pahlawan Tuanku Tambusai. <https://journal.universitaspahlawan.ac.id/index.php/jpdk/article/download/5462/3989/18750>

- Azman, M. A. H., Hassan, M. F., Sapuan, S. Z., & Khee, Y. S. (2024). *Casing prototype design for portable electromagnetic radiation detector using 3D printing technology*. *Research Progress in Mechanical and Manufacturing Engineering*, 5(1), 672–679. <https://doi.org/10.30880/rpmme.2024.05.01.078>
- Bahri, N. F., Sadika, F., Adiluhung, H., & Nurhidayat, M. (2024). Analisis efektivitas desain rak sepatu ergonomis di Pondok Pesantren Tahfidz Yatim Dhuafa Al-Furqon. *ARS: Jurnal Seni Rupa & Desain*, 12(2), 115–126. <https://doi.org/10.24821/ars.v12i2.12325>
- Bandung Techno Park. (n.d.). *About BTP*. Telkom University. <https://btp.telkomuniversity.ac.id/about-btp/>
- Creality. (n.d.). *Ender-3 3D printer*. Creality. Retrieved June 2025, from <https://www.creality.com/products/ender-3-3d-printer>
- Creswell, J.W., & Creswell, J.D. (2020). *Research Design: Qualitative, Quantitative, and Mixed Methods Approaches* (5th ed.). SAGE Publications.
- Effendy, E., Aisyah, N., Manurung, R. S., & Nasution, R. (2023). Konsep informasi konsep fakta dan informasi. *Jurnal Pendidikan dan Konseling*, 5(2), 5723–5729.
- Ernawati, I., Firmansyah, I., & Pratiwi, S. (2023). Pengaruh media gambar terhadap hasil belajar IPA materi makhluk hidup dan lingkungannya pada siswa kelas IV SD. *Pendas: Jurnal Ilmiah Pendidikan Dasar*, 8(1), 1–10. <https://doi.org/10.23969/jpd.v8i1.10604>

- Eryagandhi, R., Herlambang, Y., & Syarif, E. B. (2018). *Saung dalam perspektif material yang tepat dan menunjang visual*. *e-Proceeding of Art & Design*, 5(3), 3937–3944.
https://scholar.google.com/scholar?hl=id&as_sdt=0%2C5&q=yanuar+herlambang+material&btnG=#~:text=Saung%20Dalam%20Perspektif%20Material%20Yang%20Tepat%20Dan%20Menunjang%20Visual
- Finali, A., Hanafi, A. F., & Eko, R. P. U. (2021). *Analisis variasi pattern 3D printing terhadap kekuatan tarik*. *J-Proteksi: Jurnal Kajian Ilmiah dan Teknologi Teknik Mesin*, 5(1), 16–19.
<http://jurnal.unmuhjember.ac.id/index.php/j-proteksi/article/view/12774>
- Gibson, I., Rosen, D., Stucker, B., & Khorasani, M. (2021). *Additive manufacturing technologies* (3rd ed.). Springer.
<https://link.springer.com/book/10.1007/978-3-030-56127-7>
- Hasan, H. (2022). *Pengembangan sistem informasi dokumentasi terpusat pada STMIK Tidore Mandiri*. *JURASIK (Jurnal Sistem Informasi dan Komputer)*, 2(1), 23–29. <https://ejournal.stmik-tm.ac.id/index.php/jurasik/article/view/32/21>
- Herumurti, D., Bimantara, I. M. S., & Supriana, I. W. (2023). *User-Centered Design-based approach in scheduling management application design and development*. *IPTEK Journal of the Science and Technology*, 24(1), 77–86. <https://iptek.its.ac.id/index.php/jts/article/view/15088/0>
- Human-Centric Design Group. (2023). *Jurnal Human-Centric Design – Kelompok Casing Handphone*. Scribd.
<https://id.scribd.com/document/701157907/Jurnal-Human-Centric-Design-Kelompok-Casing-Handphone>

- Ihsan, N. F., Andrianto, & Herlambang, Y. (2024). *Perancangan sarana duduk di ruang publik untuk menunjang aktivitas komunal mahasiswa (Studi kasus: Taman Telkom University)*. *e-Proceeding of Art & Design*, 11(5), 7742–7761. [https://scholar.google.com/scholar?start=30&q=yanuar+herlambang+material&hl=id&as_sdt=0,5#:~:text=PERANCANGAN%20SARAN%20DUDUK%20DI%20RUANG%20PUBLIK%20UNTUK%20MENUNJANG%20AKTIVITAS%20KOMUNAL%20MAHASISWA%20\(Studi%20Kasus%3A%20Taman%20Telkom%20University\)](https://scholar.google.com/scholar?start=30&q=yanuar+herlambang+material&hl=id&as_sdt=0,5#:~:text=PERANCANGAN%20SARAN%20DUDUK%20DI%20RUANG%20PUBLIK%20UNTUK%20MENUNJANG%20AKTIVITAS%20KOMUNAL%20MAHASISWA%20(Studi%20Kasus%3A%20Taman%20Telkom%20University))
- Indrawan, D., Permata, T., & Samudro, A. (2024). Perhitungan kekuatan mekanik dari pemanfaatan limbah aluminium untuk pembuatan *bracket* pada mesin tempel kapal patroli. *Inovtek Polbeng: Jurnal Inovasi Teknologi Politeknik Negeri Bengkalis*, 14(2), 216–227. <https://doi.org/10.35314/a23dd191>
- Jandyal, A., Chaturvedi, I., Wazir, I., Raina, A., & Haq, M. I. U. (2022). 3D printing – A review of processes, materials and applications in industry 4.0. *Sustainable Operations and Computers*, 3, 33–42. <https://doi.org/10.1016/j.susoc.2021.12.002>
- Jelineq. (n.d.). *3D printer enclosure – profile series*. <https://jelineq.com/our-products/3d-printer-enclosure-profile-series/>
- Jelineq. (n.d.). *3D printer enclosure profile series 30*. <https://jelineq.com/shop/3d-printer-enclosure-profile-series-30/>
- Kanthimathi, T., Rathika, D. N., Rajesh, K. S., Srinivasan, D. S., Fathima, J., & Thamizhmuthu, R. (2024). *Robotic 3D printing for customized industrial components: IoT and AI-enabled innovation*. In 2024 IEEE International Conference (pp. 1–6). IEEE. <https://doi.org/10.1109/ICCES2023.221.0463672>

- Khodijah, T., Herlambang, Y., & Pujiharjo, Y. (2023). *Perancangan tas ransel untuk mendukung protokol kesehatan. e-Proceeding of Art & Design*, 10(1), 694–714.
<https://openlibrarypublications.telkomuniversity.ac.id/index.php/art-design/article/view/19624>
- Kosasih, D. P., Nugraha, H. D., & Saefullah, W. A. (2021). Perancangan mesin 3D Printing model Cartesian. *Jurnal Teknik Mesin – ITI*, 5(1), 29–36.
https://www.researchgate.net/publication/350025772_Perancangan_Mesin_3D_Printing_Model_Cartesian
- Kusnanto, & Sugianto, W. (2021). Analisis kehandalan pneumatic system pada pesawat penumpang di PT ABC. *Comasie: Jurnal Comolie*, 4(1), 38.
<http://ejournal.upbatam.ac.id/index.php/comasiejurnal>
- Makridakis, S., Spiliotis, E., & Assimakopoulos, V. (2020). The M4 competition: 100,000 time series and 61 forecasting methods. *International Journal of Forecasting*, 36(1), 54–74.
<https://doi.org/10.1016/j.ijforecast.2019.04.014>
- Malahati, F., Ultavia, A. B., Jannati, P., & Qathrunnada, Q. (2023). *Kualitatif: Memahami karakteristik penelitian sebagai metodologi. Jurnal Pendidikan Dasar*, 11(2), 341–348.
<https://doi.org/10.46368/jpd.v11i2.902> ejournal.nusantaraglobal.or.id+11
- May, T., Eslami, B., & Fouladi, K. (2022). Optimization of 3D printer enclosure environment. *The International Journal of Advanced Manufacturing Technology*, 118, 2233–2246. <https://doi.org/10.1007/s00170-021-08034-x>
- Mwema, F. M., & Akinlabi, E. T. (2020). *Basics of fused deposition modelling (FDM)*. In *Fused Deposition Modeling* (pp. 1–10). Springer.
https://doi.org/10.1007/978-3-030-48259-6_1

- Napitupulu, R. A. M., Siagian, L., Panjaitan, J., Tampubolon, M., Sianturi, L., & Sianturi, C. M. (2021). Pelatihan pembuatan prototype spare part motor dengan aplikasi printer 3D pada siswa siswi Kls XI SMK Swasta Parulian 3 Medan. *Citra Abdiarsa: Jurnal Pengabdian Kepada Masyarakat*, 1(1), 37–44. <https://publisher.vccm.or.id/index.php/cab/article/view/41>
- Ngo, T. D., Kashani, A., Imbalzano, G., Nguyen, K. T., & Hui, D. (2021). *Additive manufacturing (3D printing): A review of materials, methods, applications and challenges*. *Composites Part B: Engineering*, 143, 172–196. <https://doi.org/10.1016/j.compositesb.2018.02.012>
- Nurdewi. (2022). Implementasi personal branding smart ASN perwujudan bangga melayani di Provinsi Maluku Utara. *Sentri: Jurnal Riset Ilmiah*, 1(2), 1–7. <https://ejournal.nusantaraglobal.ac.id/index.php/sentri>
- O’Neal, A., Pitcock, G., & Yewo, A. (2023, December 11). *Aerospace senior design project, in-orbit manufacturing process of electronic enclosures*. Kennesaw State University, Southern Polytechnic College of Engineering and Engineering Technology. https://digitalcommons.kennesaw.edu/cgi/viewcontent.cgi?article=1103&context=egr_srdsn
- Pane, R. M. (2022). Pendekatan strategi *mind mapping* dalam pelajaran sejarah perkembangan demokrasi Indonesia. *Education & Learning*, 2(1), 16–21. <https://journal.medarasucenter.ac.id/index.php/EL>
- Printable Accessories. (n.d.). *Modular enclosure*. Printable Accessories. Retrieved June 2025, from <https://printableaccessories.com/products/modular-enclosure>
- Printables. (n.d.). *Prusa PSU cooling for Tukkari TLX enclosure* [3D model]. <https://www.printables.com/model/651116-prusa-psu-cooling-for-tukkari-tlx-enclosure>

Prusa Research. (n.d.). *Original Prusa enclosure*.
https://blog.prusa3d.com/original-prusa-enclosure_67656/

Prusa Research. (n.d.). *Original Prusa enclosure*.
<https://www.prusa3d.com/product/original-prusa-enclosure-3/>

Sampé, Y. D., & Tahalele, M. (2023). Pengaruh citra merek dan kualitas produk terhadap keputusan pembelian smartphone merek Vivo pada Toko Bandung Jaya A.Y Patty Ambon. *Jurnal Administrasi Terapan*, 2(1), 1–12.

Saputri, D., Melissa, M., Hidayati, N., & Fauziah, N. (2023). Lembar validasi: Instrumen yang digunakan untuk menilai produk yang dikembangkan pada penelitian pengembangan bidang pendidikan. *Biology and Education Journal*, 3(2), 133–151.

Shofiani Devi, A., Hotimah, K., Sakha, R., Karimullah, A., & Anshori, M. I. (2022). Mewawancarai kandidat: Strategi untuk meningkatkan efisiensi dan efektivitas. *MASMAN: Master Manajemen*, 2(2), 66–78.
<https://doi.org/10.59603/masman.v2i2>.

Siregar, M. I. A. (2024). Teknologi 3D printing dalam rekayasa mesin: Peluang dan tantangan. *Circle Archive*, 1(6). <https://circle-archive.com/index.php/carc/article/view/259>

Subbaraman, B., & Peek, N. (2023). *3D printers don't fix themselves: How maintenance is part of digital fabrication*. In DIS '23: Proceedings of the 2023 ACM Designing Interactive Systems Conference (pp. 1–16). Association for Computing Machinery.
<https://doi.org/10.1145/3563657.3595991>

Sunardi. (2021). *Pemilihan material dan proses*. Program Studi Teknik Mesin, Universitas Sultan Ageng Tirtayasa.
<https://eprints.untirta.ac.id/id/eprint/8529/2/Identitas%20TA.pdf>

- Syafiudin, A., Effendi, M. K., Pramono, A. S., Kaelani, Y., Ariatedja, J. B., Harnany, D., & Yohanes. (2022). Analisis efektivitas pelatihan singkat 3D *modelling*, 3D *scanning*, dan 3D *printing* pada siswa SMA. *Sewagati: Jurnal Pengabdian Kepada Masyarakat*, 6(5), 283–291. <https://doi.org/10.12962/j26153960.v6i5.283>
- Tanoto, Y. Y., Filbert, V., Febrian, R., & Adriel, N. (2022). Optimasi multirespon pada proses 3D printing material ABS dengan metode Taguchi-PCR Topsis. *TEKNIK: Jurnal Ilmiah Fakultas Teknik UNDIP*, 43(2), 147–157. <https://ejournal.undip.ac.id/index.php/teknik/article/view/153986>
- Telaumbanua, C. S., & Rahmadiano, F. (2022, Juli 13). *Analisa kualitas hasil pembentukan lembaran polycarbonate terhadap pengaruh variasi tekanan, variasi temperature, dan variasi waktu pemanasan pada proses vacuum forming dengan metode Taguchi*. Seminar Nasional SENIATI 2022, Institut Teknologi Nasional Malang. <https://eprints.itn.ac.id/id/eprint/14392>
- Telkom University Repository. (2024). *Eksplorasi material aluminium dan tembaga untuk casing komputer micro-ATX*. Telkom University Repository. <https://repositori.telkomuniversity.ac.id/home/catalog/id/201295/slug/eksplorasi-material-alumunium-dan-tembaga-untuk-casing-komputer-micro-atx.html>
- Trilian, O. O., & Jakaria, R. B. (2024). Perancangan desain produk kursi kuliah menggunakan metode Pahl and Beitz. *Innovative Technologica: Methodical Research Journal*, 3(2), 1–9. <https://doi.org/10.47134/innovative.v3i2.101>
- Tukkari. (n.d.). *TLX white enclosure for Prusa i3 MK3S with MMU2S*. <https://www.tukkari.com/p/tlx-white-enclosure-for-prusa-i3-mk3s-with-mmu2s>

- Waruwu, M. (2023). *Pendekatan penelitian pendidikan: Metode penelitian kualitatif, metode penelitian kuantitatif dan metode penelitian kombinasi (Mixed Method)*. Jurnal Pendidikan Teologi, 7(1), 2896–2910. Universitas Kristen Satya Wacana. <https://doi.org/10.31004/jpt.v7i1.728>
- Wicaksono, R. A., Kurniawan, E., Syafrianto, M. K., Fadelandro, R., & Sofyandi, M. R. (2021). Rancang bangun dan simulasi 3D printer model Cartesian berbasis *Fused Deposition Modelling*. *Jurnal Engine: Energi, Manufaktur, dan Material*, 5(2), 53–64. <https://media.neliti.com/media/publications/455748-none-bd64db59.pdf>
- Wicaksono, R., Kurniawan, E., & Muhammad, A. (2023). *Rekayasa sistem informasi manajemen perawatan ...*[pdf]. Neliti. <https://media.neliti.com/media/publications/129359-ID-rakayasa-sistem-informasi-manajemen-pera.pdf>
- Wiraguna, S. A., & Purwanto, L. M. F. (2024). Revolusi material akrilik sebagai solusi unggulan dalam desain mega akuarium digital modern. *JoDA: Journal of Digital Architecture*, 3(2), 42–50. <https://doi.org/10.24167/joda.v3i2.11350>