

DAFTAR PUSTAKA

- A&S Power. (2026). *Lithium ion battery, 18650 battery, Li- Ion battery, battery back*. A&S Power. <https://www.szaspower.com/1-subchannelproducts.html>
- Abdillah, M. Z., Al Rasyid, M. U. H., & Sigit, R. (2026). The implementation of face recognition using deep metric learning for automatic door openers based on edge computing. *JOIV: International Journal on Informatics Visualization*, 10(1), 146–153.
- Abougarair, A. J., & Arebi, W. A. (2022). Smart glove for sign language translation. *International Robotics & Automation Journal*, 8(3), 109–117. <https://doi.org/10.15406/iratj.2022.08.00253>
- Ahmad, H., & Rashid, T. (2024). Central kurdish text-to-speech synthesis with novel end-to-end transformer training. *Algorithms*, 17(7), 292. <https://doi.org/10.3390/a17070292>
- Android Developers. (2026). *Android mobile app developer tools*. Android Developers. <https://developer.android.com/>
- Bawango, K. M. M., Kolibu, H. S., & Tongkukut, S. H. J. (2024). Estimasi state of charge pada baterai Li-ion dengan menggunakan metode Coulomb Counting. *Jurnal LPPM Bidang Sains dan Teknologi*, 9(2), 78–84. <https://doi.org/10.35801/jlppmsains.9.2.2024.51598>
- Biju, S. M., Al-Khatib, O., Sheikh, H. Z., & Oroumchian, F. (2023). Glove based wearable devices for sign language-GloSign. *IAES International Journal of Artificial Intelligence (IJ-AI)*, 12(4), 1666. <https://doi.org/10.11591/ijai.v12.i4.pp1666-1676>
- BPS RI. (2024). *Potret penyandang disabilitas di Indonesia: Hasil long form SP2020*. Badan Pusat Statistik Republik Indonesia.
- Chaubey, C., & Sharma, A. (2023). *The Integrated Development Environment (IDE) for application development: Android studio and its tools*. 020087. <https://doi.org/10.1063/5.0116494>
- Coppola, R., Fulcini, T., & Torchiano, M. (2024). Poster: Kotlin assimilating the android ecosystem - An appraisal of diffusion and impact on maintainability. *Proceedings of the 2024 IEEE/ACM 46th International Conference on Software Engineering: Companion Proceedings*, 266–267. <https://doi.org/10.1145/3639478.3643071>
- Critcher, S., & Freeborn, T. J. (2021). Flexible PCB failures from dynamic activity and their impacts on bioimpedance measurements: A wearable case study. *IEEE Open Journal of Circuits and Systems*, 2, 732–742. <https://doi.org/10.1109/OJCAS.2021.3122369>

- Dalal, U., Thadhani, A., Upadhye, M., Shah, S., Narvekar, M., & Patil, N. (2024). Deep learning-enabled smart glove for real-time sign language translation. *Journal of Electrical Systems*, 20(10s), 4874–4882. <https://doi.org/10.53555/jes.v10i10S.6153>
- Dhanush, J., & Rani, M. A. (2025). Real-time human fall detection and alert system using autonomous embedded neural network. *International Journal of Innovative Science and Research Technology*, 10(9), 574–585. <https://doi.org/10.38124/ijisrt/25sep394>
- Diansyah, H., & Syafrinal. (2025). Design and development of a mobile application using Android Studio and Flutter. *Journal Mobile Technologies (JMS)*, 3(2), 69–76. <https://doi.org/10.59431/jms.v3i2.646>
- Diantoni, C., Komarudin, O., & Rizal, A. (2024). Arsitektur mvvm dan framework jetpack compose pada pengembangan aplikasi android. *JATI: Jurnal Mahasiswa Teknik Informatika*, 8(3), 3216–3224. <https://doi.org/10.36040/jati.v8i3.9638>
- Elnur, K., & Hashimov, E. (2023). V-Model for air defense systems. *Modeling, Control and Information Technologies*, (6), 46–49. <https://doi.org/10.31713/MCIT.2023.011>
- Fuada, S., Yasmin, M., Yustina, M. C., Amalia, A., Pratiwi, D. A., Annisa, A., Kubro, N. Z., Sutia, D. D., Parulian, S., Darussalam, M. G. B., Febriliana, R., Tiyastanti, Y., Rukmantara, R. I. A., Fujiyanti, V., & Nazarudin, G. A. (2022). Analisis rangkaian pembagi tegangan dan perbandingan hasil simulasinya menggunakan simulator offline. *Circuit: Jurnal Ilmiah Pendidikan Teknik Elektro*, 6(1), 28. <https://doi.org/10.22373/crc.v6i1.11200>
- Kaur, N., & Singh, P. (2023). Conventional and contemporary approaches used in text to speech synthesis: A review. *Artificial Intelligence Review*, 56(7), 5837–5880. <https://doi.org/10.1007/s10462-022-10315-0>
- Khanam, F., Munmun, F. A., Ritu, N. A., Saha, A. K., & Mridha, M. F. (2022). Text to speech synthesis: A systematic review, deep learning based architecture and future research direction. *Journal of Advances in Information Technology*, 13(5). <https://doi.org/10.12720/jait.13.5.398-412>
- Khesya, N. (2021). Mengenal flowchart dan pseudocode dalam algoritma dan pemrograman. In *Preprints* (Vol. 1, hal. 1–15). <https://doi.org/10.31219/osf.io/syjn5>
- Kurundkar, S., Joshi, A., Thaploo, A., Auti, S., & Awalgaonkar, A. (2023). Real-time sign language detection. *2023 2nd International Conference on Vision Towards Emerging Trends in Communication and Networking Technologies (ViTECoN)*, 1–4. <https://doi.org/10.1109/ViTECoN58111.2023.10157784>
- Listyoningrum, K. I., Fenida, D. Y., & Hamidi, N. (2023). Inovasi berkelanjutan dalam bisnis: Manfaatkan flowchart untuk mengoptimalkan nilai limbah perusahaan. *Jurnal Informasi Pengabdian Masyarakat*, 1(4), 100–112.

- Mphale, O., Gorejena, K. N., & Nojila, O. (2024). The future of things: A comprehensive overview of internet of things history, definitions, technologies, architectures, communication and beyond. *Journal of Information Systems and Informatics*, 6(2), 1263–1286. <https://doi.org/10.51519/journalisi.v6i2.738>
- Nanda, R. (2023). Perancangan aplikasi tuna wicara dan tuna rungu dengan metode Waterfall berbasis android. *JEKIN: Jurnal Teknik Informatika*, 3(1), 20–30. <https://doi.org/10.58794/jekin.v3i1.189>
- Narulita, S., Nugroho, A., & Abdillah, M. Z. (2024). Diagram Unified Modelling Language (UML) untuk Perancangan Sistem Informasi Manajemen Penelitian dan Pengabdian Masyarakat (SIMLITABMAS). *Bridge: Jurnal Publikasi Sistem Informasi dan Telekomunikasi*, 2(3), 244–256. <https://doi.org/10.62951/bridge.v2i3.174>
- Nistrina, K., & Sahidah, L. (2022). Unified Modelling Language (UML) untuk perancangan sistem informasi penerimaan siswa baru di SMK Marga Insan Kamil. *J-SIKA: Jurnal Sistem Informasi Karya Anak Bangsa*, 4(1), 17–23.
- Pangarkar, A. P., Shabadi, S., & G. Gawande, P. (2025). A comprehensive analysis of ESP32 microcontroller for IoT applications. *International Journal of Novel Research and Development*, 10(10). <https://doi.org/10.56975/ijnrd.v10i10.310100>
- Priadiyatna, W. A., Hudiono, & Rasyid, A. (2020). Rancang bangun sarung tangan pintar penerjemah Bahasa Isyarat Indonesia (Bisindo) berbasis IoT. *Jurnal Jartel: Jurnal Jaringan Telekomunikasi*, 10(4), 213–219. <https://doi.org/10.33795/jartel.v10i4.21>
- Ramdani, R., Jannah, H. F. N., Pamuji, P. R., & Handayani, N. (2024). Rancang bangun aplikasi sistem informasi desa berbasis web di Desa Kalimati. *Indo-MathEdu Intellectuals Journal*, 5(6), 7675–7689. <https://doi.org/10.54373/imeij.v5i6.2228>
- Saggio, G., Calado, A., Errico, V., Lin, B.-S., & Lee, I.-J. (2023). Dynamic measurement assessments of sensory gloves based on resistive flex sensors and inertial measurement units. *IEEE Transactions on Instrumentation and Measurement*, 72, 1–10. <https://doi.org/10.1109/TIM.2023.3265102>
- Sanjaya, J. J., & Susilo, J. (2024). Perbandingan performa Kotlin vs Java dalam pengembangan android dengan metode iterasi while. *bit-Tech*, 7(2), 545–553. <https://doi.org/10.32877/bt.v7i2.1898>
- Selay, A., Andigha, G. D., Alfarizi, A., Wahyudi, M. I. B., Falah, M. N., Khaira, M., & Encep, M. (2022). Internet of Things. *Karimah Tauhid*, 1(6), 860–868.
- Shahid, M. U., Mahessar, M. M., Salaar, M., Amir, H. Bin, & Mehboob, M. Z. (2025). IoT-enabled assistive glove for real-time sign language translation using machine learning. *International Journal of Innovations in Science and Technology*, 7(3), 1568–1583. <https://doi.org/10.33411/ijist/20257315681583>

- Sibuea, S., Saputro, M. I., Annan, A., & Widodo, Y. B. (2022). Aplikasi mobile collection berbasis android pada PT. Suzuki Finance Indonesia. *Jurnal Informatika dan Teknologi Komputer (JITEK)*, 2(1), 31–42. <https://doi.org/10.55606/jitek.v2i1.185>
- Smetsters-Weeda, R., & Smetsters, S. (2017). Problem solving and algorithmic development with flowcharts. *Proceedings of the 12th Workshop on Primary and Secondary Computing Education*, 25–34. <https://doi.org/10.1145/3137065.3137080>
- Sudarma, T. F. (2025). Pengembangan mobile learning berbasis android dengan evaluasi adaptif pada materi fluida untuk meningkatkan kemandirian siswa. *Portal Riset dan Inovasi Sistem Perangkat Lunak*, 3(3), 180–187. <https://doi.org/10.59696/prinsip.v3i3.211>
- Sukamto, R. A., & Shalahudin, M. (2014). *Rekayasa perangkat lunak : Terstruktur dan berorientasi objek*. Informatika.
- Texas Instruments. (2026). *Matched thin-film resistors*. Texas Instruments. <https://www.ti.com/product-category/passive-discrete/matched-thin-film-resistors/overview.html>
- Wang, L., Zhang, Y., & Bruce, P. G. (2023). Batteries for wearables. *National Science Review*, 10(1). <https://doi.org/10.1093/nsr/nwac062>
- Wibowo, A. P., & Widiyono. (2026). Youth organization empowerment through the development of Internet of Things (IoT)-based technological skills in gamer village Pekalongan City. *Journal Inovasi Pengabdian Masyarakat*, 3(2), 205–213.