

DAFTAR PUSTAKA

- [1] S. B. Dito and H. Pujiastuti, "Dampak revolusi industri 4.0 pada sektor pendidikan: Kajian literatur mengenai digital learning pada pendidikan dasar dan menengah," *Jurnal Sains Dan Edukasi Sains*, vol. 4, no. 2, pp. 59–65, 2021. [Online]. Available: <https://doi.org/10.24246/juses.v4i2p59-65>
- [2] Y. Fitriani, "Analisa pemanfaatan learning management system (lms) sebagai media pembelajaran online selama pandemi covid-19," *Journal Of Information System, Informatics And Computing*, vol. 4, no. 2, pp. 1–8, 2020. [Online]. Available: <https://doi.org/10.52362/jisicom.v4i2.312>
- [3] S. Al-Sharhan, A. Al-Hunaiyyan, R. Alhajri, and N. Al-Huwail, "Utilization of learning management system (lms) among instructors and students," in *Advances in Electronics Engineering*, ser. Lecture Notes in Electrical Engineering, Z. Zakaria and R. Ahmad, Eds. Springer, 2020, vol. 619, pp. 15–23. [Online]. Available: https://doi.org/10.1007/978-981-15-1289-6_2
- [4] X. Zhang, Y. J. Hai, and C. Li, "Learning management system in education via mobile app: Trends and patterns in mobile learning," *International Journal of Interactive Mobile Technologies (iJIM)*, vol. 18, no. 09, pp. 19–34, 2024. [Online]. Available: <https://doi.org/10.3991/ijim.v18i09.49027>
- [5] A. F. Husaini and I. G. L. P. E. Prisma, "Rancang bangun aplikasi android untuk mengakses learning management system moodle dengan model pembelajaran problem based learning untuk meningkatkan kompetensi administrator jaringan siswa kelas xi tkj smk negeri 1 surabaya," *IT-Edu: Jurnal Information Technology & Education*, vol. 10, no. 01, pp. 26–35, 2025. [Online]. Available: <https://doi.org/10.26740/it-edu.v10i01.65508>
- [6] H. O. Zidan, E. P. Adi, and O. Fajarianto, "Pengembangan learning management system sebagai media pembelajaran untuk peserta pelatihan desain grafis di balai latihan kerja singosari," *Journal of Educational Technology Studies and Applied Research*, vol. 1, no. 1, 2024. [Online]. Available: <https://doi.org/10.70125/jetsar.v1i1y2024a17>
- [7] A. B. Mabruri and F. I. Sanjaya, "Implementasi metode prototyping untuk aplikasi ujian online berbasis android menggunakan firebase," *MALCOM Indonesian Journal of Machine Learning and Computer Science*, vol. 5, no. 1, pp. 309–320, 2025. [Online]. Available: <https://doi.org/10.57152/malcom.v5i1.1732>
- [8] C. Craig and A. Gerber, *Learn Android Studio: Build Android Apps Quickly and Effectively*. New York, NY: Apress, 2015.
- [9] D. A. Ramadhan and A. Wibowo, "Analisis perbandingan kinerja flutter, react native dan android studio dalam pengembangan aplikasi mobile edukasi,"

Jurnal Teknologi Informasi dan Ilmu Komputer (JTIK), vol. 9, no. 1, pp. 145–152, 2022.

- [10] R. F. Purnomo, O. W. Purbo, and R. A. Aziz, *Firestore: Membangun Aplikasi Berbasis Android*. Penerbit Andi, 2021.
- [11] F. D. Astuti and Y. Hermawan, “Pemanfaatan firebase realtime database pada aplikasi pembelajaran agama islam menggunakan framework flutter,” *Jurnal Informatika Komputer Bisnis Dan Manajemen*, vol. 18, no. 2, pp. 1–11, 2023. [Online]. Available: <https://doi.org/10.61805/fahma.v18i2.65>
- [12] W. Kurniawan, I. Prihandi, and N. Husufa, “Prototype firebase authentication menggunakan fitur firebase pada aplikasi android,” *Jurnal Satya Informatika*, vol. 4, no. 1, pp. 71–78, 2023. [Online]. Available: <https://doi.org/10.59134/jsk.v4i1.406>
- [13] M. I. Z. Hasibuan and T. Triase, “Implementasi sistem database nosql secara realtime menggunakan firebase realtime database pada aplikasi ourticle,” *SIBATIK JOURNAL: Jurnal Ilmiah Bidang Sosial, Ekonomi, Budaya, Teknologi, dan Pendidikan*, vol. 2, no. 1, pp. 1–24, 2022.
- [14] A. Z. Ayezabu, “Supabase vs firebase: Evaluation of performance and development of progressive web apps,” <https://urn.fi/URN:NBN:fi:amk-2022090920032>, 2022.
- [15] PT Matica Inovasi Edukasi, “Bimbel matica,” <https://bimbelmatica.com/>, n.d., diakses 29 Juni 2025.
- [16] A. Taufan, M. S. Rusdianto, D. and T. Ananta, M. “Pengembangan sistem otomatisasi use case diagram berdasarkan skenario sistem menggunakan metode pos tagger stanford nlp,” vol. 6, no. 8, p. 3733–3740, Aug. 2022.
- [17] R. Yunitarini and E. Widiawanti, “Analysis and design of indonesian traditional medicine (jamu) information system by using prototyping model (case study: Madura island),” *E3S Web of Conferences*, vol. 483, p. 03012, 2024, the 3rd International Seminar of Science and Technology (ISST 2023), published online: 31 January 2024. [Online]. Available: <https://doi.org/10.1051/e3sconf/202448303012>
- [18] S. D. Pratama, L. Lasimin, and M. N. Dadaprawira, “Pengujian black box testing pada aplikasi edu digital berbasis website menggunakan metode equivalence dan boundary value,” *J-SISKO TECH (Jurnal Teknologi Sistem Informasi Dan Sistem Komputer TGD)*, vol. 6, no. 2, p. 560, 2023. [Online]. Available: <https://doi.org/10.53513/jsk.v6i2.8166>