

DAFTAR PUSTAKA

- Clark, N., Dabkowski, M., Driscoll, P., Kennedy, D., Kloo, I., & Shi, H. (2021). *Empirical decision rules for improving the uncertainty reporting of small-sample System Usability Scale scores. International Journal of Human–Computer Interaction.*
- Denning, P. J., & Tedre, M. (2021). *Computational thinking: A disciplinary perspective. Informatics in Education*, 20(3), 361–390.
- Falah, F. Al, Dilia, Z. M., & Satrio, M. F. (2025). *TOFEDU : The Future of Education Journal Building the Teacher Competencies in the Era of the Industrial Revolution 4 . 0 to Improve the Quality of Learning.* 4(3), 785–791.
- Hermiati, R., Asnawati, & Kanedi, I. (2021). *Pembuatan e-commerce pada Raja Komputer menggunakan bahasa pemrograman PHP dan database MySQL. Jurnal Media Infotama*, 17(1).
- Hamidah, L. N., Hasanah, F. N., & Sidoarjo, U. M. (2024). *Pengembangan E-Modul Interaktif Pada Mata Pelajaran Administrasi Jaringan di SMK.* 3, 1–13.
- Kobayashi, T., Shimakawa, H., & Harada, F. (2023). *Evaluating Prospects in Programming with Features in Graphic Function Use.* 1945–1964. <https://doi.org/10.4236/ce.2023.1410124>
- Millenia, D. Y., & Widyastuti, R. (2024). *Perancangan e-learning berbasis web di MTs Islamiyah Belongkut menggunakan model waterfall. Jurnal Fakultas Keguruan dan Ilmu Pendidikan*, 4(3).
- Nurtanto, M., Kholifah, N., Masek, A., Sudira, P., & Samsudin, A. (2021). *Crucial problems in arranged the lesson plan of vocational teacher.* 10(1), 345–354. <https://doi.org/10.11591/ijere.v10i1.20604>
- Perdana, F. A., & Sujadi, I. (2017). *Development of e-module combining science process skills and dynamics motion material to increasing critical thinking skills and improve student learning motivation senior high school.* 1(1), 45–54. <https://doi.org/10.20961/ijssacs.v1i1.5112>

- Rahayu, R., Rosita, R., Rahayuningsih, Y. S., Hernawan, A. H., & Prihantini. (2022). *Implementasi Kurikulum Merdeka Belajar di Sekolah Penggerak. Jurnal Basicedu*, 6(4), 6313–6319. <https://doi.org/10.31004/basicedu.v6i4.3237>
- Royhanin, Y., Pendidikan, F. I., & Negeri, U. (2022). *Jurnal EPISTEMA*. 3(2).
- Shahin, M., Gonsalvez, C., Whittle, J., Chen, C., Li, L., & Xia, X. (2021). *How secondary school students perceive computational thinking practices through collaborative programming. Education and Information Technologies*.
- Saputra, D. D., Informasi, P. T., Teknik, F., Surabaya, U. N., Informasi, P. T., Teknik, F., & Surabaya, U. N. (n.d.). *Pengembangan E-Modul Interaktif Berbasis PjBL Pada Keahlian Front End Web Development Berstandar Industri Untuk Siswa SMK*. 181–188.
- Smk, K. X. I., Politeknik, J., Pinang, K. T., & Riau, K. (2020). *Pengembangan E-modul Berbasis Kontekstual pada Materi Logika Matematika Development of Contextual Based E-Modules on Mathematical Logic Material for Class XI Vocational Schools*. 8(1), 32–35.
- Setiawan, I. M. D. (2024). *Pengembangan sistem e-learning berbasis website sebagai penunjang kegiatan pembelajaran. PENDIPA Journal of Science Education*, 8(1), 103–107. <https://doi.org/10.33369/pendipa.8.1.103-107>
- Siregar, H., & Arpan. (2025). *Rancangan bangun aplikasi pembelajaran online (e-learning) di SMK Tritech Informatika Medan berbasis web dengan metode waterfall. Jurnal Nasional Teknologi Komputer*, 5(3), 248–262. <https://doi.org/10.61306/jnastek.v5i3.210>
- Valiant, L., Asriyanik, & Ridwan, M. (2022). *Aplikasi e-learning berbasis web dengan metode waterfall studi kasus: SMA 1 Nagrah. Jurnal Ilmiah Teknik Mesin, Elektro dan Komputer*, 2(3), 198–207. <https://doi.org/10.51903/juritek.v2i3.539>
- Zhang, T., Taub, M., & Chen, Z. (2021). *Measuring the impact of campus closure on student self-regulated learning in online learning modules. Physical Review Physics Education Research*, 17(1).