

DAFTAR PUSTAKA

- Adelia, L., Widiyanti, I., & Maulana, A. (2025). Penyusunan E-Modul Pelatihan BIM pada Jabatan Kerja Juru Gambar BIM Jenjang 3 Berbasis SKKNI No. 3 Tahun 2023. *Jurnal Ilmiah Global Education*, 6(1), Article 1. <https://doi.org/10.55681/jige.v6i1.3619>
- Anggraini, T., Husni, H. R., Bayzoni, B., & Ashruri, A. (2023). Pemodelan Gedung Kuliah Bersama Politeknik Negeri Lampung Menggunakan Building Information Modeling (BIM). *Jurnal Rekayasa Sipil Dan Desain*, 11(3), 603–614. <https://doi.org/10.23960/jrsdd.v11i3.3670>
- Anokhin, S. A., Hess, M., & Wincent, J. (2025). Technology sourcing ambidexterity in corporate venture capital: Limitations of learning from open innovation. *Small Business Economics*, 64(1), 239–258. <https://doi.org/10.1007/s11187-024-00900-8>
- Arisanti, R. (2025). The Role of Digital Technology in Improving Learning Outcomes: A Literature-Based Analysis. *PPSDP International Journal of Education*, 4(2), 574–581. <https://doi.org/10.59175/pijed.v4i2.541>
- Bryan, J. D., & Zuva, T. (20210520). A Review on TAM and TOE Framework Progression and How These Models Integrate. *Advances in Science, Technology and Engineering Systems Journal*, 6(3), 137–145. <https://doi.org/10.25046/aj060316>
- Creswell, J. W. (2009). *Research design: Qualitative, quantitative, and mixed methods approaches*, 3rd ed (hlm. xxix, 260). Sage Publications, Inc.
- Davis, F. D. (1989). Perceived Usefulness, Perceived Ease of Use, and User Acceptance of Information Technology. *MIS Quarterly*, 13(3), 319. <https://doi.org/10.2307/249008>
- Defitri, S. Y., Bahari, A., Handra, H., & Febrianto, R. (2020). Determinant Factors Of E-Government Implementation And Public Accountability: Toe Framework Approach. *Public Policy and Administration*, 19(4), 37–51. <https://doi.org/10.13165/VPA-20-19-4-03>
- Elghdhan, M. G., Azmy, N., Zulkiple, A., & Al-Sharafi, M. A. (2023). Adoption of Building Information Modelling In Libyan Construction Firms: A Technological,

- Organizational, and Environmental (TOE) Perspectives. *IOP Conference Series: Earth and Environmental Science*, 1140(1), 012020. <https://doi.org/10.1088/1755-1315/1140/1/012020>
- Fadhilah, A. F., Purwanto, E., & Basuki, A. (2022). Aplikasi Building Information Modeling (BIM) Dalam Perancangan Bangunan Gedung. *Matriks Teknik Sipil*, 10(3), 261–268. <https://doi.org/10.20961/mateksi.v10i3.55999>
- Fetters, M. D., Curry, L. A., & Creswell, J. W. (2013). Achieving Integration in Mixed Methods Designs—Principles and Practices. *Health Services Research*, 48(6pt2), 2134–2156. <https://doi.org/10.1111/1475-6773.12117>
- Farisa, H., Sunggingwati, D., & Susilo, S. (2023). Teachers' Competencies and Students' Attitudes Toward ICT at an EFL Secondary School. *Turkish Online Journal of Distance Education*, 24(3), 224–239. <https://doi.org/10.17718/tojde.1122729>
- Fraharyani, F., Murtinugraha, R. E., & Daryati. (2022). Relevansi Kurikulum Pendidikan Teknik Bangunan Unj Terhadap Kompetensi Smk Desain Pemodelan Dan Informasi Bangunan. *Jurnal Penelitian Kebijakan Pendidikan*, 15(2), 87–96. (Pendidikan). <https://doi.org/10.24832/jpkp.v15i2.622>
- Freires, T., & Lopes, A. (2024). Innovation through the implementation of technology in the context of school education: A systematic review. *London Review of Education*, 22(1). <https://doi.org/10.14324/LRE.22.1.37>
- Handini, O. (2025). The Impact of Technological Pedagogical and Content Knowledge on Teacher Professional Development in Technology Integration Practices. *JTP - Jurnal Teknologi Pendidikan*, 27(1), 287–295. <https://doi.org/10.21009/jtp.v27i1.54675>
- Hermawan, A., Rusnadi, S., Rocha, T., & Lima, R. (2025). Digital Leadership Strengthening Strategy for Vocational High School (SMK) Principals. *ISAR Journal of Science and Technology*, 3(5), 30–33. <https://doi.org/10.5281/zenodo.15561137>
- Irvansyah, Muchlis, N., & Suryawan, W. A. (2022). Analysis Of The BIM Implementation Competencies Of Building Cluster Vocational High School

- Students In The East Java. *Border: Jurnal Arsitektur*, 4(2), 95–108.
<https://doi.org/10.33005/border.v4i2.122>
- Kementerian Pendidikan Dasar dan Menengah. (2022). *CP & ATP - Desain Pemodelan Dan Informasi Bangunan Fase F*.
<https://guru.kemendikdasmen.go.id/kurikulum/referensi-penerapan/capaian-pembelajaran/smk/desain-pemodelan-dan-informasi-bangunan/fase-f/>
- Kementerian Pendidikan Dasar dan Menengah. (2025, Juni 24). *Perumusan Tujuan Pembelajaran (TP) dan Penyusunan Alur Tujuan Pembelajaran (ATP)*. Ruang GTK.
<https://pusatinformasi.guru.kemendikdasmen.go.id/hc/id/articles/14151391154969-Perumusan-Tujuan-Pembelajaran-TP-dan-Penyusunan-Alur-Tujuan-Pembelajaran-ATP>
- MacVaugh, J., & Schiavone, F. (2010). Limits to the diffusion of innovation: A literature review and integrative model. *European Journal of Innovation Management*, 13(2), 197–221. <https://doi.org/10.1108/14601061011040258>
- Marikyan, D., Papagiannidis, S., & Stewart, G. (2023). Technology acceptance research: Meta-analysis. *Journal of Information Science*, 01655515231191177. <https://doi.org/10.1177/01655515231191177>
- Miles, M. B., Huberman, A. M., & Saldaña, J. (2014). *Qualitative data analysis: A methods sourcebook* (Edition 3). Sage.
- Moore, G. C., & Benbasat, I. (1991). Development of an Instrument to Measure the Perceptions of Adopting an Information Technology Innovation. *Information Systems Research*, 2(3), 192–222.
- Pantiga, J., & Soekiman, A. (2021). Kajian Implementasi Building Information Modeling (BIM) di Dunia Konstruksi Indonesia. *Rekayasa Sipil*, 15(2), 104–110. <https://doi.org/10.21776/ub.rekayasasipil.2021.015.02.4>
- Pinto, A. S., Abreu, A., Pérez Cota, M., & Paiva, J. (2025). A meta analysis of TOE factors driving organizational adoption of artificial intelligence across industries. *Discover Artificial Intelligence*. <https://doi.org/10.1007/s44163-025-00747-2>

- Qin, X., Shi, Y., Lyu, K., & Mo, Y. (2020). *Using a tam-toe model to explore factors of building information modelling (Bim) adoption in the construction industry*. 26(3), 259–277. <https://doi.org/10.3846/jcem.2020.12176>
- Ramadhan, M. A., & Maulana, A. (2020). Pemahaman Konsep BIM melalui Autodesk Revit bagi Guru SMK Teknik Bangunan se-Jabodetabek. *Wikrama Parahita : Jurnal Pengabdian Masyarakat*, 4(1), 47–52. <https://doi.org/10.30656/jpmwp.v4i1.1886>
- Reista, I. A., Annisa, & Ilham. (2022). Implementasi Building Information Modelling (BIM) dalam Estimasi Volume Pekerjaan Struktural dan Arsitektural | Journal of Sustainable Construction. *Journal of Sustainable Construction*, 2(1), 13–22.
- Rogers, E. M. (2003). *Diffusion of Innovations*, 5th Edition. Simon and Schuster.
- Sari, A. J., Handoyo, S. S., & Anisah. (2023). Persepsi Akademisi Terhadap Manfaat Dan Kendala Penerapan Building Information Modelling. *Prosiding Seminar Pendidikan Kejuruan Dan Teknik Sipil (SPKTS)*, 1, 35–45.
- Sopaheluwakan, M. P., & Adi, T. J. W. (2020). Adoption and implementation of building information modeling (BIM) by the government in the Indonesian construction industry. *IOP Conference Series: Materials Science and Engineering*, 930(1), 012020. <https://doi.org/10.1088/1757-899X/930/1/012020>
- Sucipto, T. L. A., Sajidan, S., Akhyar, M., & Roemintoyo, R. (2024). Investigating Building Information Modelling (BIM) Adoption in Vocational High School Learning. 1096–1101. https://doi.org/10.2991/978-2-38476-198-2_155
- Sugiyono, D. (2013). *Metode penelitian pendidikan pendekatan kuantitatif, kualitatif dan R&D*. Alfabeta. https://digilib.unigres.ac.id/index.php?p=show_detail&id=43
- Sulaiman, T. T., Mahomed, A. S. B., Rahman, A. A., & Hassan, M. (2023). Understanding Antecedents of Learning Management System Usage among University Lecturers Using an Integrated TAM-TOE Model. *Sustainability*, 15(3), 1885. <https://doi.org/10.3390/su15031885>
- Sungkai, C. K., Bayzoni, B., Husni, H. R., & Niken, C. (2023). Penerapan Building Information Modeling (BIM) Menggunakan Software Autodesk Revit 2019 pada Pekerjaan Struktur (Studi Kasus: Gedung B Fakultas Ekonomi dan Bisnis

- Universitas Lampung). *Jurnal Rekayasa Sipil Dan Desain*, 11(1), 179–188. <https://doi.org/10.23960/jrsdd.v11i1.3096>
- Tornatzky, L. G., Fleischer, M., & Chakrabarti, A. K. (1990). *The Processes of Technological Innovation*. Lexington Books.
- Venkatesh, V., Davis, F., & Morris, M. G. (2007). Dead Or Alive? The Development, Trajectory And Future Of Technology Adoption Research. *Journal of the Association for Information Systems*, 8(4). <https://doi.org/10.17705/1jais.00120>
- Venkatesh, V., Morris, M. G., Davis, G. B., & Davis, F. D. (2003). *User Acceptance of Information Technology: Toward a Unified View* (SSRN Scholarly Paper No. 3375136). Social Science Research Network. <https://papers.ssrn.com/abstract=3375136>
- Widiati, I., Ingsih, I., & Winaktu, G. (2024). A Study On Efficiencies And Hindrances To BIM Implementation In Indonesian Construction Projects. *Journal Innovation of Civil Engineering (JICE)*, 5, 1–7. <https://doi.org/10.33474/jice.v5i1.21400>
- Williams, M. D., Rana, N. P., & Dwivedi, Y. K. (2015). The unified theory of acceptance and use of technology (UTAUT): A literature review. *Journal of Enterprise Information Management*, 28(3), 443–488. <https://doi.org/10.1108/JEIM-09-2014-0088>
- Zhang, J., Zhang, M., Ballesteros-Pérez, P., & Philbin, S. P. (2023). A new perspective to evaluate the antecedent path of adoption of digital technologies in major projects of construction industry: A case study in China. *Developments in the Built Environment*, 14, 100160. <https://doi.org/10.1016/j.dibe.2023.100160>