

DAFTAR RUJUKAN

- Adzkia, M. S. (2024). Teacher readiness in terms of technological *skills* in facing *Artificial Intelligence* in the era of 21st century education. *Jurnal Pendidikan dan Teknologi*, IICET.
- Aji, P. T., Nasuha, A., Irmawati, D., Sofyan, M. A. H., & Musaddid, A. T. (2024). Teacher Competence in the Use of *ChatGPT* for Developing *Learning Media* in Vocational High Schools. *International Journal of Community Service Learning*, 8(4). <https://doi.org/10.23887/ijcs.v8i4.85397>
- Almusawi, A. S. (2022). Teachers' readiness for integrating digital tools in education: An international perspective. *Education and Information Technologies*, 27(4), 5123–5141.
- Alpaydin, E. (2020). *Introduction to Machine learning* (4th ed.). MIT Press.
- Amdan, A., Rosyadi, A., & Çela, E. (2024). *Artificial Intelligence* in vocational education and training: Opportunities and challenges. *International Journal of Vocational Education Research*, 12(3), 45–62.
- Baker, T., & Smith, L. (2019). Educ-AI-tion Rebooted? Exploring the future of *Artificial Intelligence* in schools and colleges. *Nesta Report*.
- Bautista, A., Estrada, C., Jaravata, A. M., Mangaser, L. M., Narag, F., Soquila, R., & Asuncion, R. J. (2024). Preservice teachers' readiness towards integrating AI-based tools in education: A TPACK approach. *Educational Process: International Journal*, 13(3), 40–68.
- Bergdahl, N., Nouri, J., & Fors, U. (2023). *Artificial Intelligence* in education: Applications and implications for teaching and learning. *Computers & Education*, 198, 104736.
- Biggs, J. B., & Collis, K. F. (1982). Evaluating the quality of learning: The SOLO taxonomy (Structure of the Observed Learning Outcome). New York: Academic Press.
- Çela, E., Rosyadi, A., & Amdan, A. (2024). Integrating AI technologies in vocational training: Emerging practices and ethical considerations. *Journal of Technical and Vocational Education*, 15(2), 133–150.
- Dantes, K. R. (2024). *Mapping the Career Maturity of Vocational High School (SMK) Students in Singaraja-Indonesia*. *Journal of Ecohumanism*, 3(4), 2827–2835. <https://doi.org/10.62754/joe.v3i4.3798>.
- Darmawiguna, I. G. M., Wirawan, I. M. A., & Suwindra, I. N. P. (2024). *Pelatihan pemanfaatan Generative Artificial Intelligence dalam pengembangan*

perangkat pembelajaran pada Kurikulum Merdeka untuk guru SMA Negeri 2 Singaraja. Seminar Nasional Pengabdian kepada Masyarakat (SENADIMAS).

Dinas Pendidikan Kabupaten Buleleng. (2024). *Data SMK dan program keahlian Kabupaten Buleleng tahun 2024*. Denpasar: Disdik Kabupaten Buleleng.

Dweck, C. S. (2016). *Mindset: The New Psychology of Success*. Ballantine Books.

Elisa, E., Wiratmaja, I. G., Nugraha, I. N. P., & Dantes, K. R. (2021). Pengembangan laboratorium virtual kimia teknik untuk meningkatkan keterampilan berpikir kritis dan proses sains mahasiswa. *Journal of The Indonesian Society of Integrated Chemistry*, 12(2), 55–61. <https://doi.org/10.22437/jisic.v12i2.11243>

Fatwa, I., & Widya. (2023). Persepsi Mahasiswa (Calon Guru) Pendidikan Vokasi Terhadap Pendidikan Science, Technology, Engineering, and Mathematics (STEM). *Jurnal Pendidikan Teknik Mesin Undiksha*, 11(2). <https://doi.org/10.23887/jptm.v11i2.68730>

Fauzi, A., & Suryani, E. (2022). Pelatihan pemanfaatan teknologi digital dalam meningkatkan kompetensi guru pada pembelajaran digital. *Jurnal Abdimas Humaniora dan Edukasi (JAHE)*. <https://jahe.or.id/index.php/jahe/article/view/2084>

Fernández, M., Fernández, A., & Herrera, F. (2021). AI-based simulators for engineering education: Opportunities and challenges. *Education and Information Technologies*, 26(3), 3125–3142.

Finch, C. R., & Crunkilton, J. R. (1999). *Curriculum Development in Vocational and Technical Education: Planning, Content, and Implementation*. Allyn & Bacon.

Floridi, L., Cows, J., Beltrametti, M., Chatila, R., Chazerand, P., Dignum, V., ... & Vayena, E. (2018). AI4People—An ethical framework for a good AI Society: Opportunities, risks, principles, and recommendations. *Minds and Machines*, 28(4), 689–707.

Fukuyama, M. (2018). *Society 5.0: Aiming for a new human-centered Society*. *Japan SPOTLIGHT*, 27(2), 47–50.

Goodfellow, I., Bengio, Y., & Courville, A. (2016). *Deep learning*. MIT Press.

Granström, J., & Oppi, M. (2025). Teachers' perceptions and readiness for AI integration in Estonia: A nationwide survey. *Frontiers in Education*, 10, 1622240. doi:10.3389/educ.2025.1622240

- Haetami. (2025). AI-Driven Educational Transformation in Indonesia: From *learning* personalization to institutional management. *Al-Ishlah: Jurnal Pendidikan*, 17(2), 1819–1832.
- Hidayat, dkk. (2023). Pelatihan kecerdasan buatan (*Artificial Intelligence*) bagi guru untuk meningkatkan kompetensi pembelajaran digital. *Jurnal Pengabdian kepada Masyarakat*.
<https://journal.polita.ac.id/index.php/abdi/article/view/247>
- Holmes, W., Bialik, M., & Fadel, C. (2022). *Artificial Intelligence in Education: Promises and Implications for Teaching and Learning*. Boston: Center for Curriculum Redesign.
- Hung, M. L. (2016). Teachers' readiness for e-learning: Scale development and validation. *Internet and Higher Education*, 31, 38–47.
- Junaedi, G. T., Dantes, K. R., & Dewi, L. J. E. (2017). *Pengembangan media pembelajaran digital pada mata pelajaran pengelasan posisi (3G) sambungan vertical untuk kelas XI di SMK Negeri 3 Singaraja*. *Jurnal Pendidikan Teknik Mesin Undiksha*.
- Jurafsky, D., & Martin, J. H. (2023). *Speech and Language Processing* (3rd ed.). Prentice Hall.
- Kementerian Pendidikan dan Kebudayaan. (2021). *Peraturan Pemerintah Nomor 57 Tahun 2021 tentang Standar Nasional Pendidikan*. Jakarta: Kemendikbud.
- Krathwohl, D. R., Bloom, B. S., & Masia, B. B. (1964). *Taxonomy of educational objectives: The classification of educational goals. Handbook II: Affective domain*. New York: David McKay Company.
- Kumar, M., Singh, A., & Rathore, P. (2023). Application of AI in *predictive maintenance* and manufacturing systems. *Journal of Intelligent Manufacturing*, 34(5), 1223–1240.
- Kurniawan, D., & Maryani, I. (2021). Teacher readiness to implement digital *learning* in Indonesia: Challenges and opportunities. *Jurnal Pendidikan Teknologi*, 13(1), 45–56.
- Li, Z., Zhao, W., & Zhang, J. (2022). *Machine learning* for CAD/CAE: A new paradigm in design and engineering. *Journal of Manufacturing Processes*, 75, 215–230.
- Luckin, R., Holmes, W., Griffiths, M., & Forcier, L. B. (2022). *Intelligence Unleashed: An Argument for AI in Education*. Pearson Education.
- Marisa, Putri, D. A. P., Mujiono, & Jameel, A. H. (2024). Integration of *Artificial Intelligence* in E-learning: Distance Education Students' Responses. *Jurnal Edutech Undiksha*, 12(1), 186–197.
<https://doi.org/10.23887/jeu.v12i1.62023>

- McCarthy, J., Minsky, M. L., Rochester, N., & Shannon, C. E. (1955). *A Proposal for the Dartmouth Summer Research Project on Artificial Intelligence*. Dartmouth College.
- Mishra, P., & Koehler, M. J. (2006). Technological pedagogical content *knowledge*: A framework for teacher *knowledge*. *Teachers College Record*, 108(6), 1017–1054.
- Ningsih, dkk. (2024). Persepsi guru terhadap penggunaan *Artificial Intelligence* dalam pembelajaran. *Jurnal Pendidikan Dasar*. <https://journal.unpas.ac.id/index.php/pendas/article/view/37536>
- Nuraini, A. S., Aeni, A. N., & Nugraha, D. (2023). *Chatbot*: Materi kenampakan alam dan buatan di Indonesia untuk siswa kelas V sekolah dasar. MIMBAR PGSD Undiksha, 11(1). <https://doi.org/10.23887/jjpgsd.v11i1.59153>
- Nurhayati, E., & Mahmudah, U. (2021). Literasi digital guru SMK dalam menghadapi pembelajaran berbasis teknologi. *Jurnal Pendidikan Vokasi*, 11(2), 122–133.
- Pabubung, M. R. (2021). Epistemologi kecerdasan buatan (AI) dan pentingnya ilmu etika dalam pendidikan interdisipliner. *Jurnal Filsafat Indonesia*, 4(2), 152–159. <https://doi.org/10.23887/jfi.v4i2.34734>
- Parasuraman, A. (2000). Technology readiness index (TRI): A multiple-item scale to measure readiness to embrace new technologies. *Journal of Service Research*, 2(4), 307–320.
- Paryono. (2020). The importance of TVET and its contribution to sustainable development. *TVET@Asia*, 15, 1–17.
- Prasetyo, B., & Trisyanti, U. (2018). Revolusi industri 4.0 dan tantangan perubahan sosial. *IPTEK Journal of Proceedings Series*, 5, 22–27.
- Prasetyo, Y., & Trisnawati, I. (2023). Vokasi 4.0: Tantangan dan peluang pendidikan kejuruan di era digital. *Jurnal Pendidikan Vokasi*, 13(1), 77–88.
- Pratama, dkk. (2023). Implementasi teknologi *Artificial Intelligence* dalam pembelajaran vokasi. *Jurnal Pengabdian dan Kajian Masyarakat*. <https://ejournal.sisfokomtek.org/index.php/jpkm/article/view/6692>
- Puentedura, R. R. (2014). *SAMR: A contextualized introduction*. Retrieved from <https://www.hippasus.com>
- Purwanto, A. (2021). Analisis level penalaran mahasiswa berdasarkan Taksonomi SOLO. *Journal of Science and Civic Education*, 2(1), 28–35.
- Putu, N., dkk. (2024). Kajian literatur peran *Artificial Intelligence* dalam mendukung strategi pembelajaran diferensiasi pada mata pelajaran kimia di

- sekolah. *Jurnal Pendidikan Kimia Undiksha*, 8(1).
<https://doi.org/10.23887/jipk.v8i1.72163>
- Rahmawati, dkk. (2022). Dampak penggunaan *Artificial Intelligence* terhadap kemampuan berpikir kritis siswa dalam pembelajaran. *Jurnal ARSY*.
<https://journal.al-matani.com/index.php/arsy/article/view/1635>
- Rajapakse, C., Ariyaratna, W., & Selvakan, S. (2024). A self-efficacy theory-based study on the teachers readiness to teach *Artificial Intelligence* in public schools in Sri Lanka. *arXiv*. <https://doi.org/10.48550/arXiv.2412.19425>
- Rajapakse, S., Gunawardena, N., & Fernando, D. (2024). Examining teachers' AI teaching readiness through the lens of self-efficacy. *Journal of Educational Technology Research*, 27(4), 225–240. Retrieved from <https://arxiv.org/abs/2412.19425>
- Ridwansyah, M., Larasati, H. A., Susanti, R., Pakaenoni, F., & Rahmadani, A. (2024). Kajian Literatur Peran *Artificial Intelligence* dalam Mendukung Strategi Pembelajaran Diferensiasi pada Mata Pelajaran Kimia di Sekolah. *Jurnal Pendidikan Kimia Undiksha*, 8(1), 1–9.
<https://doi.org/10.23887/jipk.v8i1.72163>
- Rohatgi, A., Scherer, R., & Hatlevik, O. E. (2016). The role of ICT self-efficacy for students' ICT use and their achievement in a computer and information literacy test. *Computers & Education*, 102, 103–116.
- Russell, S., & Norvig, P. (2021). *Artificial Intelligence: A Modern Approach* (4th ed.). Pearson Education.
- Sabariah, Ruffi'i, Suharyanto, Anugraha, K. M., Fauziyah, R., Kadori, & Supriyanto. (2025). Teacher Development Program to Enhance the Effectiveness of Technology-Based *Learning*. *Jurnal Edutech Undiksha*, 13(1), 34–42.
<https://doi.org/10.23887/jeu.v13i1.83707>
- Saputra, dkk. (2023). Dukungan institusi dan pelatihan dalam meningkatkan kompetensi guru berbasis teknologi. *Jurnal Pengabdian kepada Masyarakat*. <https://journal.yp3a.org/index.php/pakmas/article/view/2838>
- Schwab, K. (2016). *The Fourth Industrial Revolution*. World Economic Forum.
- Solak Berigel, D., Şilbir, L., & Şilbir, G. M. (2025). Integrating *Artificial Intelligence* (AI) into technical and vocational education and training (TVET): A PRISMA-based systematic review. *ResearchGate*.
- Suartama, I. K., Simamora, A. H., & Sukmana, A. I. W. I. Y. (2024). *Pelatihan dan pendampingan integrasi aplikasi praktis Artificial Intelligence (AI) dalam pembelajaran bagi para guru SKB*. Seminar Nasional Pengabdian kepada Masyarakat (SENADIMAS), 9(1).

- Sudatha, I. G. W., dkk. (2024). *Kemampuan guru merancang konten pembelajaran dengan pendekatan microlearning berbantuan AI*. Seminar Nasional Pengabdian kepada Masyarakat (SENADIMAS).
- Sukardi. (2018). Inovasi pendidikan kejuruan di era revolusi industri 4.0. *Jurnal Pendidikan Teknologi dan Kejuruan*, 24(2), 204–214.
- Sulistiyawati, Wahyudi, & Trinuryono. (2024). Teachers' perceptions and readiness for AI-based *virtual assistants* in educational settings: A case in Tangerang. *Jurnal Pendidikan dan Learning*, Digital Press GAES.
- Sutrisno, dkk. (2023). Implementasi *Artificial Intelligence* dalam pembelajaran di sekolah menengah kejuruan. *EduTIK: Jurnal Pendidikan Teknologi Informasi dan Komunikasi*.
<https://calamus.id/index.php/edutik/article/view/233>
- UNESCO. (2021). *Recommendation on the Ethics of Artificial Intelligence*. Paris: UNESCO Publishing.
- University of New England. (2025). *The affective and psychomotor domains*.
<https://www.une.edu/pdfs/provost-assessment-resources-affective-and-psychomotor-domains-quick-guide>
- Viberg, O., Khalil, M., & Chen, P. (2023). Teacher readiness and beliefs towards AI-driven educational technologies: A cross-cultural perspective. *Computers & Education*, 195, 104673. Retrieved from <https://arxiv.org/abs/2312.01627>
- Wijaya, I. N. S. W., Aryanto, K. Y. E., Suputra, P. H., Permana, A. A. J., & Paramartha, A. A. G. Y. (2024). *Pelatihan dan pemanfaatan Generative Artificial Intelligence (AI) untuk guru SMK N 1 Busungbiu*. Seminar Nasional Pengabdian kepada Masyarakat (SENADIMAS), 9(1).
- Wikipedia. (2025, April). *Adaptive learning*. In Wikipedia. Retrieved from https://en.wikipedia.org/wiki/Adaptive_learning
- Yuliana, R., & Cahyono, B. (2020). Tantangan pendidikan vokasi di era revolusi industri 4.0. *Jurnal Pendidikan Vokasi Indonesia*, 8(2), 134–142.
- Zawacki-Richter, O., Marín, V. I., Bond, M., & Gouverneur, F. (2019). Systematic review of research on *Artificial Intelligence* applications in higher education—where are the educators? *International Journal of Educational Technology in Higher Education*, 16(1), 1–27.