

DAFTAR PUSTAKA

- Abioye, S. O., Oyedele, L. O., Akanbi, L., Ajayi, A., Davila Delgado, J. M., Bilal, M., Akinade, O. O., & Ahmed, A. (2021). Artificial intelligence in the construction industry: A review of present status, portunities and future challenges. *Journal of Building Engineering*, 44, 103299. <https://doi.org/10.1016/j.jobe.2021.103299>
- Adeloye, A. O., Diekola, O., Delvin, K., & Gbenga, C. (2023). Applications of Artificial Intelligence (AI) in the construction industry: A review of observational studies. *Applied Sciences Research Periodicals*, 1(4), 42–52.
- Amer, F., Koh, H. Y., & Golparvar-Fard, M. (2021). Automated Methods and Systems for Construction Planning and Scheduling: Critical Review of Three Decades of Research. *Journal of Construction Engineering and Management*, 147(7). [https://doi.org/10.1061/\(ASCE\)CO.1943-7862.0002093](https://doi.org/10.1061/(ASCE)CO.1943-7862.0002093)
- Arikunto, S. (2019). *Prosedur penelitian*. Rineka Cipta.
- Arroyo, P., Schöttle, A., & Christensen, R. (2021). The ethical and social dilemma of AI uses in the construction industry. *Proc. 29th Annual Conference of the International Group for Lean Construction (IGLC)*, 227–236. <https://doi.org/10.24928/2021/0188>
- Awal, H., & Putra, O. E. (2018). Aplikasi Knowledge Base System dalam Perancangan Learning Machine. *Sinkron*, 3(1), 1–7.
- Badan Pusat Statistik. (2023). *Ekonomi Indonesia tahun 2022 tumbuh 5,31 persen*. <https://www.bps.go.id/id/pressrelease/2023/02/06/1997/ekonomi-indonesia-tahun-2022-tumbuh-5-31-persen.html>
- Bostrom, N. (2014). *Superintelligence: paths, dangers, strategies*. Oxford University Press.
- Bozorgzadeh, A., & Umar, T. (2023). Automated progress measurement using computer vision technology in UK construction. *Proceedings of the Institution of Civil Engineers: Smart Infrastructure and Construction*, 176(4), 165–182. <https://doi.org/10.1680/jsmic.22.00026>
- Capone, C., & Narbaev, T. (2022). Estimation of risk contingency budget in projects using machine learning. *IFAC-PapersOnLine*, 55(10), 3238–3243.

<https://doi.org/10.1016/j.ifacol.2022.10.140>

- Carpenter, P. (2024). *ALICE technologies expands platform and target market with launch of ALICE Core*. Construction Dive. <https://www.constructiondive.com/press-release/20240212-alice-technologies-expands-platform-and-target-market-with-launch-of-alice-1/>
- Carter, N., Bryant-Lukosius, D., DiCenso, A., Blythe, J., & Neville, A. J. (2014). The use of triangulation in qualitative research. *Oncology Nursing Forum*, *41*(5), 545–547. <https://doi.org/10.1188/14.ONF.545-547>
- Chau, K. W., & Anson, M. (2002). A knowledge-based system for construction site level facilities layout. In *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)* (Vol. 2358, pp. 393–402). https://doi.org/10.1007/3-540-48035-8_39
- Creswell, J. W., & Poth, C. N. (2016). *Qualitative inquiry and research design: Choosing among five approaches* (4th ed.). SAGE Publications.
- Ding, Y., Ma, J., & Luo, X. (2022). Applications of natural language processing in construction. *Automation in Construction*, *136*, 104169. <https://doi.org/10.1016/j.autcon.2022.104169>
- Djaelani, A. R. (2013). Teknik pengumpulan data dalam penelitian kualitatif. *PAWIYATAN*, *20*(1).
- Domingos, P. (2015). *The master algorithm: How the quest for the ultimate learning machine will remake our world*. Basic Books.
- Dompeipen, T. A., & Sompie, S. R. U. . (2020). Penerapan Computer Vision untuk pendeteksian dan penghitung jumlah manusia. *Jurnal Teknik Informatika*, *15*(4), 1–12.
- Faghihi, V. (2014). Automated and Optimized Project Scheduling Using BIM. In *Texas A&M University* (Issue 6 (11)). Texas A&M University.
- Faghihi, V., Nejat, A., Reinschmidt, K. F., & Kang, J. H. (2015). Automation in construction scheduling: A review of the literature. *The International Journal of Advanced Manufacturing Technology*, *81*(9–12), 1845–1856. <https://doi.org/10.1007/s00170-015-7339-0>
- Faiza, I. M., Gunawan, G., & Andriani, W. (2022). Tinjauan pustaka sistematis:

- Penerapan metode Machine Learning untuk deteksi bencana banjir. *Jurnal Minfo Polgan*, 11(2), 59–63. <https://doi.org/10.33395/jmp.v11i2.11657>
- Flick, U., Kardoff, E. von, & Steinke, I. (2004). *A companion to qualitative research*. SAGE.
- Garrido, S., Abderrahim, M., Gimenez, A., Diez, R., & Balaguer, C. (2008). Anti-swinging input shaping control of an automatic construction crane. *IEEE Transactions on Automation Science and Engineering*, 5(3), 549–557. <https://doi.org/10.1109/TASE.2007.909631>
- Ghimire, P., Kim, K., & Acharya, M. (2023). Generative AI in the construction industry: Opportunities & challenges. *Buildings*, 14(1), 220. <https://doi.org/https://arxiv.org/abs/2310.04427>
- Gift Phaladi, M., Nokulunga Mashwama, X., Didibhuku Thwala, W., & Ohio Aigbavboa, C. (2021). A theoretical evaluation on the implementation of Artificial Intelligence for learning curve for built environment. *Proceedings of International Structural Engineering and Construction*, 8(1). [https://doi.org/10.14455/ISEC.2021.8\(1\).CON-30](https://doi.org/10.14455/ISEC.2021.8(1).CON-30)
- Grenader, D. (2019). *Smartvid.io joins Oracle construction and engineering innovation lab*. Oracle Construction and Engineering Blog. <https://blogs.oracle.com/construction-engineering/post/smartvidio-joins-oracle-construction-and-engineering-innovation-lab>
- Hansen, S. (2020). Investigasi teknik wawancara dalam penelitian kualitatif manajemen konstruksi. *Jurnal Teknik Sipil*, 27(3), 283. <https://doi.org/10.5614/jts.2020.27.3.10>
- Hatoum, M. B., & Nassereddine, H. (2023). Unleashing the power of Chatgpt for lean construction: An early outlook. *Proceedings of the 31st Annual Conference of the International Group for Lean Construction (IGLC31)*, 208–219. <https://doi.org/10.24928/2023/0243>
- Hire, S., Ranjan, A., Ruikar, K., & Sandbhor, S. (2022). AI-driven safety checks for ladders used on construction sites. *IOP Conference Series: Earth and Environmental Science*, 1101(9), 092040. <https://doi.org/10.1088/1755-1315/1101/9/092040>
- Hong, Y., Xie, H., & Brilakis, I. (2022). Automate construction scheduling at the

- pre-construction stage – A case study. *CIB World Building Congress*, 1–10.
- Ibrahim, M., Germain, C., Guevremont, M., Forcier, M., & Moselhi, O. (2013). Automated development of construction schedules using onsite data acquisition. *Proceedings of the 30th ISARC*, 840–848. <https://doi.org/10.22260/ISARC2013/0091>
- Jafari, P., Al Hattab, M., Mohamed, E., & AbouRizk, S. (2021). Automated extraction and time-cost prediction of contractual reporting requirements in construction using Natural Language Processing and simulation. *Applied Sciences*, 11(13), 6188. <https://doi.org/10.3390/app11136188>
- Jawat, W. (2017). Metode pelaksanaan konstruksi revetment. *PADURAKSA*, 6(2). <https://doi.org/https://doi.org/10.22225/pd.6.2.486.161-177>
- Kelly, K. (2016). *The inevitable: understanding the 12 technological forces that will shape our future*. Viking Press.
- Koch, T. (2006). Establishing rigour in qualitative research: The decision trail. *Journal of Advanced Nursing*, 53(1), 91–100. <https://doi.org/10.1111/j.1365-2648.2006.03681.x>
- Lubis, Z. (2021). *Statistika terapan untuk ilmu-ilmu sosial dan ekonomi*. Penerbit Andi.
- Maxwell, J. A. (2013). *Qualitative research design: An interactive approach* (3rd ed.). Sage Publications.
- Miller, R. (2018). *Autodesk agrees to buy PlanGrid for \$875 million*. Techcrunch. <https://techcrunch.com/2018/11/20/autodesk-agrees-to-buy-plangrid-for-875-million/>
- Moleong. (2013). *Metodologi penelitian kualitatif*. PT. Remaja Rosdakarya.
- Muhammad, M. M. (2019). *Analisa penerapan alat dan teknik manajemen proyek pada PT.XYZ di Indonesia*. Institut Teknologi Sepuluh Nopember.
- Nowell, L. S., Norris, J. M., White, D. E., & Moules, N. J. (2017). Thematic analysis. *International Journal of Qualitative Methods*, 16(1), 160940691773384. <https://doi.org/10.1177/1609406917733847>
- Phillips, Z. (2020). *Smartvid.io receives \$5M in funding*. Industry Dive. <https://www.constructiondive.com/news/smartvidio-receives-5m-in-funding/591909/>

- Rani, H. A. (2016). *Manajemen proyek konstruksi*. Deepublish (CV BUDI UTAMA).
- Regona, M., Yigitcanlar, T., Hon, C. K. H., & Teo, M. (2023). Mapping two decades of AI in construction research: A scientometric analysis from the sustainability and construction phases lenses. *Buildings*, *13*(9), 2346. <https://doi.org/10.3390/buildings13092346>
- Regona, M., Yigitcanlar, T., Xia, B., & Li, R. Y. M. (2022). Opportunities and adoption challenges of AI in the construction industry: A PRISMA review. *Journal of Open Innovation: Technology, Market, and Complexity*, *8*(1), 45. <https://doi.org/10.3390/joitmc8010045>
- Roihan, A., Sunarya, P. A., & Rafika, A. S. (2020). Pemanfaatan Machine Learning dalam berbagai bidang: Review paper. *IJCIT (Indonesian Journal on Computer and Information Technology)*, *5*(1), 75–82. <https://doi.org/10.31294/ijcit.v5i1.7951>
- Russell, S., & Norvig, P. (2020). *Artificial Intelligence: A modern approach* (4th ed.). Pearson.
- Rustagi, A., & Kaja, N. (2022). Applications of AI and ML in construction industry. *International Journal of Advanced Technology in Civil Engineering*, *2*(3), 169–174.
- Sanni-Anibire, M. O., Mohamad Zin, R., & Olatunji, S. O. (2021). Developing a preliminary cost estimation model for tall buildings based on Machine Learning. *International Journal of Management Science and Engineering Management*, *16*(2), 134–142. <https://doi.org/10.1080/17509653.2021.1905568>
- Satyaningtyas, O. (2023). *Manajemen proyek: Pengertian, tahapan, dan penerapannya*. Ruang Kerja. <https://www.ruangkerja.id/blog/manajemen-proyek>
- Schia, M. H., Trollsås, B. C., Fyhn, H., & Lædre, O. (2019). The introduction of AI in the construction industry and its impact on human behavior. *27th Annual Conference of the International Group for Lean Construction*, 903–914. <https://doi.org/10.24928/2019/0191>
- Seyman-Güray, T. (2023). Investigating AI applications in construction industry:

- A systematic review. *6th International Conference of Contemporary Affairs in Architecture and Urbanism – Full Paper Proceedings of ICCAUA2023, 14-16 June 2023*, 6(1), 1168–1178. <https://doi.org/10.38027/iccaua2023en0153>
- Shenton, A. K. (2004). Strategies for ensuring trustworthiness in qualitative research projects. *Education for Information*, 22(2), 63–75. <https://doi.org/10.3233/EFI-2004-22201>
- Soibelman, L., & Kim, H. (2002). Data preparation process for construction knowledge generation through knowledge discovery in databases. *Journal of Computing in Civil Engineering*, 16(1), 39–48. [https://doi.org/10.1061/\(ASCE\)0887-3801\(2002\)16:1\(39\)](https://doi.org/10.1061/(ASCE)0887-3801(2002)16:1(39))
- Sudarto, Soepandji, B. S., Abidin, I., & Trigunaryah, B. (2014). Pengembangan Sistem Bisnis Perusahaan Jasa Konstruksi Di Indonesia Dengan Menggunakan Knowledge Base Management System. *Teknik Sipil, January 2005*, 1–8. <https://doi.org/10.13140/2.1.3243.6487>
- Sugeha, I. H., Inkiriwang, R. L., & Pratatis, P. A. K. (2019). Optimasi penjadwalan menggunakan metode Algoritma Genetika pada proyek rehabilitasi Puskesmas Minanga. *Jurnal Sipil Statik*, 7(12), 1669–1680. <https://ejournal.unsrat.ac.id/v3/index.php/jss/article/view/26145>
- Sugiyono. (2010). *Metode penelitian pendidikan pendekatan kuantitatif, kualitatif, dan R&D*. Alfabeta.
- Sulartopo, S., Kholifah, S., Danang, D., & Santoso, J. T. (2023). Transformasi proyek melalui keajaiban kecerdasan buatan: Mengeksplorasi potensi AI dalam project management. *Jurnal Publikasi Ilmu Manajemen (JUPIMAN)*, 2(2), 363–392. <https://doi.org/https://doi.org/10.55606/jupiman.v2i2.2477>
- Sun, Y., & Gu, Z. (2022). Using computer vision to recognize construction material: A trustworthy dataset perspective. *Resources, Conservation and Recycling*, 183, 106362. <https://doi.org/10.1016/j.resconrec.2022.106362>
- Sweet, R. (2023). *Procore offers free software to students in Australia, New Zealand*. Global Construction Review. <https://blogs.oracle.com/construction-engineering/post/smartvidio-joins-oracle-construction-and-engineering-innovation-lab>
- Tegmark, M. (2017). *Life 3.0: Being human in the age of Artificial Intelligence*.

Knopf.

Tjahyanti, L. P. A. S., Saputra, P. S., & Gitakarma, M. S. (2022). Peran Artificial Intelligence (AI) untuk mendukung pembelajaran di masa Pandemi Covid-19. *Jurnal KOMTEKS (Komputer Dan Teknologi Sains)*, 1(1).

Wang, D., Fan, J., Fu, H., & Zhang, B. (2018). Research on optimization of big data construction engineering quality management based on RNN-LSTM. *Complexity*, 2018, 1–16. <https://doi.org/10.1155/2018/9691868>

Wu, R. (2023). Application of AI in construction. *Applied and Computational Engineering*, 8(1), 98–102. <https://doi.org/10.54254/2755-2721/8/20230090>

Xie, L., Chen, Y., & Chang, R. (2021). Scheduling optimization of prefabricated construction projects by Genetic Algorithm. *Applied Sciences*, 11(12), 5531. <https://doi.org/10.3390/app11125531>

