

DAFTAR PUSTAKA

- Abideen, A., Kaliani Sundram, V. P., Pyeman, J., Othman, A., & Sorooshian, S. (2021). *Digital Twins Integrated Reinforced Learning in Supply Chain and Logistics*. *Logistics*, 5, 84. <https://doi.org/10.3390/logistics5040084>
- Alecio Binotto, Sanjay Panikkar, Nikhil Baxi, Praveen Velichety, Rabeela Janorius, Dhana Vadivelan, & Fabio Oliveira. (2023, January 12). *Transforming telecom tower workflows with IBM Digital Twins Platform on AWS*. IBM.
- Al-Riyami, T., Al-Maskari, A., & Al-Ghnimi, S. (2023). Faculties Behavioural Intention Toward the Use of the Fourth Industrial Revolution Related-Technologies in Higher Education Institutions. *International Journal of Emerging Technologies in Learning*, 18(7), 159 – 177. <https://doi.org/10.3991/ijet.v18i07.37051>
- Bagaskara, M., & Noviaristanti, S. (2024). *Digital Transformation Challenges in the Agricultural Industry at Indonesian Agri-Business Company*.
- Bhuiyan, M. B., Islam, M. A., Haque, M. Z., & Biswas, C. (2021). Moderating effect of *Technology Readiness* on adoption of geotagging *Technology* among social networking sites (SNSS) users for smart tourism. *Geojournal of Tourism and Geosites*, 34(1), 47 – 55. <https://doi.org/10.30892/gtg.34107-618>
- Blut, M., & Wang, C. (2020). *Technology Readiness*: a meta-analysis of conceptualizations of the construct and its impact on *Technology* usage. *Journal of the Academy of Marketing Science*, 48(4), 649 – 669. <https://doi.org/10.1007/s11747-019-00680-8>
- Broo, D. G., & Schooling, J. (2023). *Digital Twins* in infrastructure: definitions, current practices, challenges and strategies. *International Journal of Construction Management*, 23(7), 1254 – 1263. <https://doi.org/10.1080/15623599.2021.1966980>
- Callcut, M., Cerneau Agliozzo, J.-P., Varga, L., & McMillan, L. (2021). *Digital Twins* in civil infrastructure systems. *Sustainability (Switzerland)*, 13(20). <https://doi.org/10.3390/su132011549>

- Davis, F., & Davis, F. (1989). Perceived Usefulness, Perceived Ease of Use, and User Acceptance of Information Technology. *MIS Quarterly*, 13, 319. <https://doi.org/10.2307/249008>
- Fiqri Haekal, & Candiawan. (2024). Analysis Of User Acceptance Of PAS Using UTAUT Model (Case Study : PT Toyota Motor Manufacturing Indonesia) . *E-Proceeding of Management*, 11(1), 813–820.
- Frank T. Rothaermel. (2017). *Strategic Management* (3 Edition). Mc Graw Hill Education.
- Fred R. David, & Forest R. David. (2017). *Strategic Management a Competitive Advantage Approach, Concept and Cases* (16th ed., Vol. 16). Pearson Education Limited.
- Fuller, A., Fan, Z., Day, C., & Barlow, C. (2020). *Digital Twins: Enabling Technologies, Challenges and Open Research*. *IEEE Access*, PP, 1. <https://doi.org/10.1109/ACCESS.2020.2998358>
- Grieves, M. (2014). *Digital Twins: manufacturing excellence through virtual factory replication*. *White Paper*, 1(2014), 1–7.
- Gulewicz, M. (2022). *DIGITAL TWINS TECHNOLOGY - AWARENESS, IMPLEMENTATION PROBLEMS AND BENEFITS*. *Engineering Management in Production and Services*, 14(1), 63 – 77. <https://doi.org/10.2478/emj-2022-0006>
- Hair, J., Hult, G. T. M., Ringle, C., & Sarstedt, M. (2022). *A Primer on Partial Least Squares Structural Equation Modeling (PLS-SEM)*.
- Hendrawan, R., & Nugroho, K. (2018). Telecommunication Sector Reform in Southeast Asia: A New Rationality. *GATR Global Journal of Business Social Sciences Review*, 6, 147–154. [https://doi.org/10.35609/gjbssr.2018.6.4\(6\)](https://doi.org/10.35609/gjbssr.2018.6.4(6))
- H.M. Sidik Priadana, & Denok Sunarsih. (2021). *Metode Penelitian Kuantitatif*. Pascal Books.
- Jack Haddon. (2022, November 14). *Why do you need a Digital Twins?* Tower XChange.
- José Arias, Jesús de la Herrán, Wilhelm Schmundt, Johannes Goltsche, Jorge Simarro, Tomáš Wiedermann, & José Antonio Tortosa. (2022). *Tower*

- Companies Explore New Avenues for Growth.*
<https://www.bcg.com/publications/2022/towercos-explore-new-avenues-for-growth>
- Khajavi, S. H., Motlagh, N. H., Jaribion, A., Werner, L. C., & Holmstrom, J. (2019). *Digital Twins*: Vision, benefits, boundaries, and creation for buildings. *IEEE Access*, 7, 147406 – 147419. <https://doi.org/10.1109/ACCESS.2019.2946515>
- M. Priyono. (2008). *Metode Penelitian Kuantitatif*(T. Chandra, Ed.). ZIFATAMA PUBLISHING.
- Medeisis, A., & Radis, D. (2022). Design Principles for Consolidated *Digital Twins* of a Telecommunication Tower. *2022 IEEE Open Conference of Electrical, Electronic and Information Sciences, EStream 2022 - Proceedings*. <https://doi.org/10.1109/eStream56157.2022.9781769>
- Michael E. Porter. (1980). *Competitive Strategy: Techniques for Analyzing Industries and Competitors*. The Free Press.
- Michael E. Porter. (1996). *What Is Strategy?* (Vol. 74). Harvard Business Review.
- Nnaji, C., Okpala, I., Candidate, Awolusi, I., & Gambatese, J. (2023). A systematic review of *Technology acceptance models and theories in construction research*. *Journal of Information Technology in Construction*, 28, 39–69. <https://doi.org/10.36680/j.itcon.2023.003>
- Nugroho, E., & Wasesa, M. (2024). Adoption Drivers of Digital Platform for Coal Production Planning: an Extended UTAUT Model Using PLS-SEM Analysis. *International Journal of Advances in Data and Information Systems*, 5. <https://doi.org/10.59395/ijadis.v5i2.1321>
- O'Hern, S., & St. Louis, R. (2023). *Technology Readiness* and intentions to use conditionally automated vehicles. *Transportation Research Part F: Traffic Psychology and Behaviour*, 94, 1–8. <https://doi.org/https://doi.org/10.1016/j.trf.2023.02.001>
- 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. <https://doi.org/10.1177/109467050024001>

- Parasuraman, A., & Colby, C. L. (2015). An Updated and Streamlined *Technology Readiness Index*: TRI 2.0. *Journal of Service Research*, 18(1), 59–74. <https://doi.org/10.1177/1094670514539730>
- Pradeep Henry. (2022). Get *Technology* to Contribute to Business Strategy. In Augustine Peter, Raj Pethuru, & Munirathinam Sathyan (Eds.), *Enterprise Digital Transformation* (First). Taylor & Francis.
- Priyono, A., Moin, A., & Putri, V. N. A. O. (2020). Identifying Digital Transformation Paths in the Business Model of SMEs during the COVID-19 Pandemic. *Journal of Open Innovation: Technology, Market, and Complexity*, 6(4), 104. <https://doi.org/https://doi.org/10.3390/joitmc6040104>
- PT Dayamitra Telekomunikasi. (2022). *Annual Report PT Dayamitra Telekomunikasi*. <https://www.mitratel.co.id/laporan-tahunan/>
- Ramdani, D., Sutjipto, M. R., & Pasaribu, R. Df. (2024). Analysis of the Use and Acceptance of System *Technology* E-Training (SAE) Application System Using the *Unified Theory of Acceptance and Use of Technology* (UTAUT) & The Delone - Mclean Model at Pt Telkom Prima Cipta Certifia (TPCC). *International Journal of Scientific and Management Research*, 07(12), 128–135. <https://doi.org/10.37502/IJSMR.2024.71210>
- Reyes-Mercado, P., Barajas-Portas, K., Kasuma, J., Almonacid-Duran, M., & Zamacona-Aboumrad, G. A. (2023). Adoption of digital learning environments during the COVID-19 pandemic: merging *Technology Readiness index* and UTAUT model. *Journal of International Education in Business*, 16(1), 91–114. <https://doi.org/10.1108/JIEB-10-2021-0097>
- Rosnidah, I., Johari, R. J., Musyaffi, A. M., Marota, R., & Muna, A. (2022). E-Government Finance System Readiness for Village Government Employees: Lessons from Indonesia. *Quality - Access to Success*, 23(189), 238 – 244. <https://doi.org/10.47750/QAS/23.189.27>
- Saxena, N., Gera, N., & Taneja, M. (2023). An empirical study on facilitators and inhibitors of adoption of mobile banking in India. *Electronic Commerce Research*, 23(4), 2573–2604. <https://doi.org/10.1007/s10660-022-09556-6>

- Schwarz, A., & Chin, W. (2007). Looking Forward: Toward an Understanding of the Nature and Definition of IT Acceptance. *J. AIS*, 8. <https://doi.org/10.17705/1jais.00123>
- Seilov, S., Kuzbayev, A., Seilov, A., Shyngisov, D., Goikhman, V., Levakov, A., Sokolov, N., & Zhursinbek, Y. (2021). The Concept of Building a Network of *Digital Twins* to Increase the Efficiency of Complex Telecommunication Systems. *Complexity*, 2021, 1–9. <https://doi.org/10.1155/2021/9480235>
- Sellywati Mohd Faizal, N. J., & nor, A. S. M. (2022). Integrate the adoption and readiness of digital technologies amongst accounting professionals towards the fourth industrial revolution. *Cogent Business & Management*, 9(1), 2122160. <https://doi.org/10.1080/23311975.2022.2122160>
- Seol, S., Ko, D., & Yeo, I. (2017). Ux analysis based on TR and UTAUT of sports smart wearable devices. *KSII Transactions on Internet and Information Systems*, 11(8), 4162 – 4179. <https://doi.org/10.3837/tiis.2017.08.024>
- Sepasgozar, S. (2021). Differentiating *Digital Twins* from Digital Shadow: Elucidating a Paradigm Shift to Expedite a Smart, Sustainable Built Environment. *Buildings*, 11, 151. <https://doi.org/10.3390/buildings11040151>
- Singh, S., Sharma, P. K., Yoon, B., Shojafar, M., Cho, G. H., & Ra, I.-H. (2020). Convergence of blockchain and artificial intelligence in IoT network for the sustainable smart city. *Sustainable Cities and Society*, 63, 102364. <https://doi.org/https://doi.org/10.1016/j.scs.2020.102364>
- Sudrajad, A. I., TricahyonoB, D., Al-Amin, Zuwardi, Yulianti, E. B., Irnayenti, . . . Rosmawati, W. (2023). The Role of Digitalization Performance on Digital Business Strategy in Indonesia MSEMS. International Journal of Profesional Business Review.
- Sugiono. (2007). *Statistika Untuk Penelitian*. ALFABETA.
- Sukmana, H. T., Hariguna, T., Lutfiani, N., & Rahardja, U. (2019). Exploring the moderating effect of *Technology Readiness* of user intention in the context of mobile payment service. *International Journal of Advanced Trends in Computer Science and Engineering*, 8(1.5 Special Issue), 249 – 257. <https://doi.org/10.30534/ijatcse/2019/4481.52019>

- Tamilmani, K., Rana, N. P., Wamba, S. F., & Dwivedi, R. (2021). The extended *Unified Theory of Acceptance and Use of Technology* (UTAUT2): A systematic literature review and theory evaluation. *International Journal of Information Management*, 57, 102269. <https://doi.org/https://doi.org/10.1016/j.ijinfomgt.2020.102269>
- Tang, D. (2021). WHAT IS DIGITAL TRANSFORMATION? *EDPACS*, 64(1), 9–13. <https://doi.org/10.1080/07366981.2020.1847813>
- Timperi, M., Kokkonen, K., Hannola, L., & Elfvengren, K. (2023). Impacts of *Digital Twins* on new business creation: insights from manufacturing industry. *Measuring Business Excellence*, 27(3), 433 – 448. <https://doi.org/10.1108/MBE-09-2022-0104>
- TowerXchange. (2023). *TowerXchange's Asia guide*.
- Uma Sekaran, & Roger Bougie. (2010). *Research Methods for Business: A Skill Building Approach* (5th ed.). John & Wiley.
- VanDerHorn, E., & Mahadevan, S. (2021). *Digital Twins*: Generalization, characterization and implementation. *Decision Support Systems*, 145. <https://doi.org/10.1016/j.dss.2021.113524>
- Venkatesh, V., Morris, M., Davis, G., & Davis, F. (2003). User Acceptance of Information *Technology*: Toward a Unified View. *MIS Quarterly*, 27, 425–478. <https://doi.org/10.2307/30036540>
- Venkatesh, V., Thong, J., & Xu, X. (2012). Consumer Acceptance and Use of Information *Technology*: Extending the *Unified Theory of Acceptance and Use of Technology*. *Behavioral Marketing EJournal*. <https://doi.org/10.2307/41410412>
- Wahyuningtyas, R., Disastra, G., & Rismayani, R. (2022). Toward cooperative competitiveness for community development in Economic Society 5.0. *Journal of Enterprising Communities: People and Places in the Global Economy*, 594-620.
- Wang, S., Zhang, J., Wang, P., Law, J., Calinescu, R., & Mihaylova, L. (2024). A deep learning-enhanced *Digital Twins* framework for improving safety and reliability in human–robot collaborative manufacturing. *Robotics and*

Computer-Integrated Manufacturing, 85.

<https://doi.org/10.1016/j.rcim.2023.102608>

Wellington Capital Advisory. (2021). *The Tower industry in Indonesia*.

<https://www.wca.co.id/post/the-tower-industry-in-indonesia>

Zulaikah, L., Puspitasari, W., & Septiningrum, L. (2023). EVALUASI

KESUKSESAN IMPLEMENTASI SAP DI MASA PANDEMI COVID-19

MENGGUNAKAN MODEL UTAUT 3 PADA PT. KAI. *JIPI (Jurnal Ilmiah*

Penelitian Dan Pembelajaran Informatika), 8, 242–253.

<https://doi.org/10.29100/jipi.v8i1.3278>