

DAFTAR PUSTAKA

- Ahmed, K., Kumar Dubey, M., Kumar, A., & Dubey, S. (2024). Artificial intelligence and IoT driven system architecture for municipality waste management in smart cities: A review. *Measurement: Sensors*, 36. <https://doi.org/10.1016/j.measen.2024.101395>
- Amalia, D., Nesya, N., & Tyrta, M. (2023). Implementasi Kota Pintar (Smart City) Di Kota Surabaya. *Jurnal Birokrasi & Pemerintahan Daerah*, 5(1).
- Andrianingsih, A., Sani, A., & Firmansyah, M. (2024). *Integrating Enterprise Architecture into Intelligent Transportation System: A Step Towards Sustainable Mobility*. 5(2). <https://doi.org/https://doi.org/10.54249/iwj.v5i2.173>
- Anghel, I., Cioara, T., Moldovan, D., Antal, M., Pop, C. D., Salomie, I., Pop, C. B., & Chifu, V. R. (2020). Smart environments and social robots for age-friendly integrated care services. *International Journal of Environmental Research and Public Health*, 17(11). <https://doi.org/10.3390/ijerph17113801>
- Anthopoulos, L., & Fitsilis, P. (2013). Using Classification and Roadmapping techniques for Smart City viability's realization. *Electronic Journal of e-Government*, 11(1). www.dubaimediacity.com
- Argente García, J. E., Yazici, B., Richa, A., Touil, S., Richart Díaz, V. J., Ramallo-González, A. P., & Skarmeta Gómez, A. F. (2024). Digitalising governance processes and water resources management to foster sustainability strategies in the Mediterranean agriculture. *Environmental Science and Policy*, 158. <https://doi.org/10.1016/j.envsci.2024.103805>
- Aziz, O., Farooq, M. S., Abid, A., Saher, R., & Aslam, N. (2020). Research Trends in Enterprise Service Bus (ESB) Applications: A Systematic Mapping Study. *IEEE Access*, 8, 31180–31197. <https://doi.org/10.1109/ACCESS.2020.2972195>
- Banciu, C., Florea, A., & Bogdan, R. (2024). Monitoring and Predicting Air Quality with IoT Devices. *Processes*, 12(9). <https://doi.org/10.3390/pr12091961>

Bazan-Muñoz, A., Ortiz, G., Augusto, J. C., & Garcia-de-Prado, A. (2024). Taxonomy and software architecture for real-time context-aware collaborative smart environments. *Internet of Things (Netherlands)*, 26. <https://doi.org/10.1016/j.iot.2024.101160>

Buku III Masterplan BSC. (t.t.).

Chia, J. S., Chang, C., Lo, S. C., Yang, C. H., & Yang, H. Y. (2024). Healthcare failure mode and effect analysis combined service blueprint – Mitigating mass casualty triage in emergency units: A qualitative study. *International Emergency Nursing*, 77. <https://doi.org/10.1016/j.ienj.2024.101508>

Dahmane, W. M., Ouchani, S., & Bouarfa, H. (2024). Smart cities services and solutions: A systematic review. Dalam *Data and Information Management*. Elsevier Ltd. <https://doi.org/10.1016/j.dim.2024.100087>

Darmawan, A. K., Siahaan, D. O., Susanto, T. D., Hoiriyah, Umam, B. A., & Hermanto, A. (2020). A model of smart regency framework using Meta-ethnography approach and TOGAF ADM 9.1. *Journal of Physics: Conference Series*, 1569(2). <https://doi.org/10.1088/1742-6596/1569/2/022005>

El Houari, M., El Haloui, M., & Ettaki, B. (2025). A new enterprise architecture-based approach for smart city value co-creation. *International Journal of Electrical and Computer Engineering*, 15(1), 767–782. <https://doi.org/10.11591/ijece.v15i1.pp767-782>

Fawzy, D., Moussa, S. M., & Badr, N. L. (2023). An IoT-based resource utilization framework using data fusion for smart environments. *Internet of Things (Netherlands)*, 21. <https://doi.org/10.1016/j.iot.2022.100645>

Fazil, M., Fahmi, A., & Riski, A. (2022). *Digital Literacy in Building a Smart City at Banda Aceh*. <https://doi.org/10.52088/ijesty.v1i4.324>

Gu, Q., Sing, M. C. P., Jefferies, M., & Kanjanabootra, S. (2025). Bridging the gap between smart cities and sustainability: Current practices and future trends. *Cities*, 159. <https://doi.org/10.1016/j.cities.2025.105799>

Hamouda, F., Puig-Sirera, À., Bonzi, L., Remorini, D., Massai, R., & Rallo, G.

- (2024). Design and validation of a soil moisture-based wireless sensors network for the smart irrigation of a pear orchard. *Agricultural Water Management*, 305, 109138. <https://doi.org/10.1016/j.agwat.2024.109138>
- Hevner, A. (2014). *A Three Cycle View of Design Science Research*. <https://www.researchgate.net/publication/254804390>
- Hevner, A. R., March, S. T., Park, J., & Ram, S. (2004). DESIGN SCIENCE IN INFORMATION SYSTEMS RESEARCH 1. Dalam *Design Science in IS Research MIS Quarterly* (Vol. 28, Nomor 1).
- Hussain, D. I., Elomri, D. A., Kerbach, D. L., & Omri, D. A. El. (2024). Smart city solutions: Comparative analysis of waste management models in IoT-enabled environments using multiagent simulation. *Sustainable Cities and Society*, 103. <https://doi.org/10.1016/j.scs.2024.105247>
- Jabbar, W. A., Mei Ting, T., I. Hamidun, M. F., Che Kamarudin, A. H., Wu, W., Sultan, J., Alsewari, A. R. A., & Ali, M. A. H. (2024). Development of LoRaWAN-based IoT system for water quality monitoring in rural areas. *Expert Systems with Applications*, 242. <https://doi.org/10.1016/j.eswa.2023.122862>
- Javed, A. R., Shahzad, F., Rehman, S. ur, Zikria, Y. Bin, Razzak, I., Jalil, Z., & Xu, G. (2022). Future smart cities requirements, emerging technologies, applications, challenges, and future aspects. *Cities*, 129. <https://doi.org/10.1016/j.cities.2022.103794>
- Jerbi, H., Gnana Vincy, V. G. A., Ben Aoun, S., Abbassi, R., & Kchaou, M. (2025). Optimizing waste management in smart Cities: An IoT-Based approach using dynamic bald eagle search optimization algorithm (DBESO) and machine learning. *Journal of Urban Management*. <https://doi.org/10.1016/j.jum.2025.05.015>
- Jnr, B. A., & Petersen, S. A. (2023). Using an extended technology acceptance model to predict enterprise architecture adoption in making cities smarter. *Environment Systems and Decisions*, 43(1), 36–53. <https://doi.org/10.1007/s10669-022-09867-x>

- Keerthivasan, G., Aishwarya, G., Jawahar, G., & Muthukumar, C. (2019). Applications of IOT in Smart Cities and Smart Environment. *International Research Journal of Multidisciplinary Technovation*, 1(6), 7–17. <https://doi.org/10.34256/irjmtcon2>
- Lesnussa, J., & Sitokdana, M. N. N. (2023). Leveraging TOGAF ADM for Enterprise Architecture in West Seram Environment Agency. *Journal of Information Systems and Informatics*, 5(4), 1595–1608. <https://doi.org/10.51519/journalisi.v5i4.603>
- López, M., Giner-Cifre, C., López-Lilao, A., Sanfélix, V., Monfort, E., & Viana, M. (2024). An integrated strategy for air quality monitoring and management in industrial port areas. *Cleaner Engineering and Technology*, 19. <https://doi.org/10.1016/j.clet.2024.100729>
- Mahajan, S. (2024). greenR: An open-source framework for quantifying urban greenness. *Ecological Indicators*, 163. <https://doi.org/10.1016/j.ecolind.2024.112108>
- Nguyen, K., & Hoang, A. T. (2023). Managing Technological Security of Smart Environment Monitoring Systems: Study Of a coastal province in Vietnam. *International Journal of Critical Infrastructures*, 19(4), 1. <https://doi.org/10.1504/ijcis.2023.10056422>
- Open Group, T. (2005). *The TOGAF® Standard, Version 9.2*. The Open Group, 2005-2018. www.opengroup.org/legal/licensing.
- Palomo Amores, T. R., Sánchez Ramos, J., Guerrero Delgado, Mc. C., Castro Medina, D., Cerezo-Narvaéz, A., & Álvarez Domínguez, S. (2023). Effect of green infrastructures supported by adaptative solar shading systems on livability in open spaces. *Urban Forestry and Urban Greening*, 82. <https://doi.org/10.1016/j.ufug.2023.127886>
- Pereira, G. V., & De Azambuja, L. S. (2022). Smart Sustainable City Roadmap as a Tool for Addressing Sustainability Challenges and Building Governance Capacity. *Sustainability (Switzerland)*, 14(1). <https://doi.org/10.3390/su14010239>

- Prasetyo, Y. A., & Habibie, I. (2022). *Smart City Architecture Development Framework (SCADEF)*. 6(4).
<https://doi.org/http://dx.doi.org/10.30630/joiv.6.4.1537>
- Prasetyo, Y. A., & Lubis, M. (2020). Smart City Architecture Development Methodology (SCADM): A Meta-Analysis Using SOA-EA and SoS Approach. Dalam *SAGE Open* (Vol. 10, Nomor 2). SAGE Publications Inc.
<https://doi.org/10.1177/2158244020919528>
- Przybysz, A. L., Lima, A. D., Sá, C. P. de, Resende, D. N., & Pagani, R. N. (2024). Integrating City Master Plans with Sustainable and Smart Urban Development: A Systematic Literature Review. *Sustainability*, 16(17), 7692.
<https://doi.org/10.3390/su16177692>
- Refsdal, A., Runde, R. K., & Stølen, K. (2015). Stepwise refinement of sequence diagrams with soft real-time constraints. *Journal of Computer and System Sciences*, 81(7), 1221–1251. <https://doi.org/10.1016/j.jcss.2015.03.003>
- Silva, B. N., Khan, M., & Han, K. (2020). Futuristic sustainable energy management in smart environments: A review of peak load shaving and demand response strategies, challenges, and opportunities. Dalam *Sustainability (Switzerland)* (Vol. 12, Nomor 14). MDPI. <https://doi.org/10.3390/su12145561>
- Silva, F. G., De Menezes, J. S. S., De Lima, J. S., França, J. M. S., Do Nascimento, R. P. C., & Soares, M. S. (2015). An experience of using SoaML for modeling a service-oriented architecture for health information systems. *ICEIS 2015 - 17th International Conference on Enterprise Information Systems, Proceedings*, 3, 322–327. <https://doi.org/10.5220/0005464403220327>
- Subakti, P., & Putra, Y. H. (2020). Integration of TOGAF 9.1 ADM in Enterprise Architecture Smart City Design in the Tourism Domain with ISO 27001. *IOP Conference Series: Materials Science and Engineering*, 879(1).
<https://doi.org/10.1088/1757-899X/879/1/012029>
- Sushma, N., Suresh, H. N., Mohana, L. J., & Santhosh Kumar, K. B. (2024). Experimental investigation on wireless integrated smart system for energy and water resource management in Indian smart cities. *Results in Engineering*, 23.

<https://doi.org/10.1016/j.rineng.2024.102687>

- Thirasakthana, M., & Kiattisin, S. (2021). Sustainable government enterprise architecture framework. *Sustainability (Switzerland)*, 13(2), 1–27. <https://doi.org/10.3390/su13020879>
- Varga, M. (2003). *Motivation Issues in the Framework of Information Systems Architecture*. <https://www.researchgate.net/publication/228826537>
- Wang, G. (2025). Environmental pollution monitoring system based on gas water quality sensors and visual recognition. *Results in Engineering*, 26. <https://doi.org/10.1016/j.rineng.2025.105524>
- Winkowska, J., Szpilko, D., & Pejić, S. (2019). Smart City Concept in the Light of the Literature Review. *Engineering Management in Production and Services*, 11(2), 70–86. <https://doi.org/10.2478/emj-2019-0012>
- Wynn, D. C. (2007). *Model-Based Approaches to Support Process Improvement in Complex Product Development*.
- Yasin, A. F., & Hadi, W. (2023). Implementation of Retention Ponds in Flood Management in Sorong Regency - Southwest Papua. *Azalia Fajri Yasin/Civila*, 8(1), 7–22. <https://doi.org/10.30736/cvl.v8i1.979>
- Zemmouchi-Ghomari, L., Akbi, L., Yacine Tayeb Cherif, & Abdessamed Réda Ghomari. (2024). Assessing the Need to Implement Industry 4.0 Technologies with TOGAF. *Recent Research Reviews Journal*, 3(1), 34–55. <https://doi.org/10.36548/rrrj.2024.1.003>