

DAFTAR PUSTAKA

- Abdallah, M., Abu Talib, M., Feroz, S., Nasir, Q., Abdalla, H., Mahfood, B., 2020. Artificial intelligence applications in solid waste management: A systematic research review. *Waste Management* 109, 231–246. <https://doi.org/10.1016/j.wasman.2020.04.057>
- Ahmad, S., Imran, Jamil, F., Iqbal, N., Kim, D., 2020. Optimal Route Recommendation for Waste Carrier Vehicles for Efficient Waste Collection: A Step Forward Towards Sustainable Cities. *IEEE Access* 8, 77875–77887. <https://doi.org/10.1109/ACCESS.2020.2988173>
- Alaoui, M.L.T., Belhiah, M., Ziti, S., 2025. IoT-Enabled Waste Management in Smart Cities: A Systematic Literature Review. *International Journal of Advanced Computer Science and Applications* 16.
- Ali, T., Irfan, M., Alwadie, A.S., Glowacz, A., 2020. IoT-Based Smart Waste Bin Monitoring and Municipal Solid Waste Management System for Smart Cities. *Arab J Sci Eng* 45, 10185–10198. <https://doi.org/10.1007/s13369-020-04637-w>
- Chauhan, A., Jakhar, S.K., Chauhan, C., 2021. The interplay of circular economy with industry 4.0 enabled smart city drivers of healthcare waste disposal. *Journal of Cleaner Production* 279, 123854. <https://doi.org/10.1016/j.jclepro.2020.123854>
- De Lima E Silva, P.C., Severiano, C.A., Alves, M.A., Silva, R., Weiss Cohen, M., Guimarães, F.G., 2020. Forecasting in non-stationary environments with fuzzy time series. *Applied Soft Computing* 97, 106825. <https://doi.org/10.1016/j.asoc.2020.106825>
- Dwi Pramana Putra, N., Tri Arsanto, A., 2024. PROTOTYPE SISTEM MONITORING TEMPAT SAMPAH PINTAR DENGAN PENANDA LOKASI BERBASIS IOT MENGGUNAKAN NODEMCU. *jati* 8, 11708–11717. <https://doi.org/10.36040/jati.v8i6.11414>

- Eridani, D., Rochim, A.F., Cesara, F.N., 2021. Comparative performance study of ESP-NOW, Wi-Fi, bluetooth protocols based on range, transmission speed, latency, energy usage and barrier resistance. 2021 international seminar
- Farjana, M., Fahad, A.B., Alam, S.E., Islam, Md.M., 2023. An IoT- and Cloud-Based E-Waste Management System for Resource Reclamation with a Data-Driven Decision-Making Process. *IoT* 4, 202–220. <https://doi.org/10.3390/iot4030011>
- Ferronato, N., Torretta, V., 2019. Waste Mismanagement in Developing Countries: A Review of Global Issues. *IJERPH* 16, 1060. <https://doi.org/10.3390/ijerph16061060>
- Goralski, M.A., Tan, T.K., 2020. Artificial intelligence and sustainable development. *The International Journal of Management Education* 18, 100330. <https://doi.org/10.1016/j.ijme.2019.100330>
- Guo, H., Wu, S., Tian, Y., Zhang, J., Liu, H., 2021. Application of machine learning methods for the prediction of organic solid waste treatment and recycling processes: A review. *Bioresource Technology* 319, 124114. <https://doi.org/10.1016/j.biortech.2020.124114>
- Hannan, M.A., Begum, R.A., Al-Shetwi, A.Q., Ker, P.J., Al Mamun, M.A., Hussain, A., Basri, H., Mahlia, T.M.I., 2020. Waste collection route optimisation model for linking cost saving and emission reduction to achieve sustainable development goals. *Sustainable Cities and Society* 62, 102393. <https://doi.org/10.1016/j.scs.2020.102393>
- Kanade, P., Alva, P., Prasad, J.P., Kanade, S., 2021. Smart Garbage Monitoring System using Internet of Things(IoT), in: 2021 5th International Conference on Computing Methodologies and Communication (ICCMC). Presented at the 2021 5th International Conference on Computing Methodologies and Communication (ICCMC), IEEE, Erode, India, pp. 330–335. <https://doi.org/10.1109/ICCMC51019.2021.9418359>
- Kang, K.D., Kang, H., Ilankoon, I.M.S.K., Chong, C.Y., 2020. Electronic waste collection systems using Internet of Things (IoT): Household electronic

- waste management in Malaysia. *Journal of Cleaner Production* 252, 119801. <https://doi.org/10.1016/j.jclepro.2019.119801>
- Khan, M.A., Quasim, M.T., Algarni, F., Alharthi, A., 2020. Internet of Things: On the Opportunities, Applications and Open Challenges in Saudi Arabia, in: 2019 International Conference on Advances in the Emerging Computing Technologies (AECT). Presented at the 2019 International Conference on Advances in the Emerging Computing Technologies (AECT), IEEE, Al Madinah Al Munawwarah, Saudi Arabia, pp. 1–5. <https://doi.org/10.1109/AECT47998.2020.9194213>
- Khanagar, S.B., Al-ehaideb, A., Maganur, P.C., Vishwanathaiah, S., Patil, S., Baeshen, H.A., Sarode, S.C., Bhandi, S., 2021. Developments, application, and performance of artificial intelligence in dentistry – A systematic review. *Journal of Dental Sciences* 16, 508–522. <https://doi.org/10.1016/j.jds.2020.06.019>
- Mao, W.-L., Chen, W.-C., Wang, C.-T., Lin, Y.-H., 2021. Recycling waste classification using optimized convolutional neural network. *Resources, Conservation and Recycling* 164, 105132. <https://doi.org/10.1016/j.resconrec.2020.105132>
- Mohanta, B.K., Jena, D., Satapathy, U., Patnaik, S., 2020. Survey on IoT security: Challenges and solution using machine learning, artificial intelligence and blockchain technology. *Internet of Things* 11, 100227. <https://doi.org/10.1016/j.iot.2020.100227>
- Mulyanto, J., 2020. Purwarupa Tempat Sampah Pintar Berbasis Arduino Uno 9.
- Nugraha, R., Suarna, N., Ali, I., ..., 2025. OPTIMASI PENGELOLAAN SAMPAH MELALUI MODEL PENGELOMPOKAN DENGAN ALGORITMA K-MEANS. *Jurnal Informatika dan*
- Nurrohman, M., Maimunah, M., Sukmasetya, P., 2023. Sistem Klasterisasi Volume Sampah Organik di Kota Magelang menggunakan K-Means. *TEMATIK*.
- Pal, K., Yasar, A.-U.-H., 2020. Internet of Things and Blockchain Technology in Apparel Manufacturing Supply Chain Data Management. *Procedia*

- Computer Science 170, 450–457.
<https://doi.org/10.1016/j.procs.2020.03.088>
- Pardini, K., Rodrigues, J.J.P.C., Diallo, O., Das, A.K., De Albuquerque, V.H.C., Kozlov, S.A., 2020. A Smart Waste Management Solution Geared towards Citizens. *Sensors* 20, 2380. <https://doi.org/10.3390/s20082380>
- Ratnawati, F., Juniarto, Musri, T., 2020. Prototype Sistem Monitoring Tempat Sampah di Gedung Politeknik Negeri Bengkalis Berbasis Mikrokontroler. *SATIN* 6, 80–88. <https://doi.org/10.33372/stn.v6i1.615>
- Salsabila, F., Ridwan, T., 2024. ANALISA VOLUME PENYEBARAN SAMPAH DI KARAWANG MENGGUNAKAN ALGORITMA K-MEANS CLUSTERING. *Jurnal Informatika dan Teknik*
- Saragih, Y., Prima Silaban, J.H., Aliya Roostiani, H., Elisabet, S.A., 2020. Design of Automatic Water Flood Control and Monitoring Systems in Reservoirs Based on Internet of Things (IoT), in: 2020 3rd International Conference on Mechanical, Electronics, Computer, and Industrial Technology (MECnIT). Presented at the 2020 3rd International Conference on Mechanical, Electronics, Computer, and Industrial Technology (MECnIT), IEEE, Medan, Indonesia, pp. 30–35. <https://doi.org/10.1109/MECnIT48290.2020.9166593>
- Sheng, T.J., Islam, M.S., Misran, N., Baharuddin, M.H., Arshad, H., Islam, Md.R., Chowdhury, M.E.H., Rmili, H., Islam, M.T., 2020. An Internet of Things Based Smart Waste Management System Using LoRa and Tensorflow Deep Learning Model. *IEEE Access* 8, 148793–148811. <https://doi.org/10.1109/ACCESS.2020.3016255>
- Singh, R.P., Javaid, M., Haleem, A., Suman, R., 2020. Internet of things (IoT) applications to fight against COVID-19 pandemic. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews* 14, 521–524. <https://doi.org/10.1016/j.dsx.2020.04.041>
- Wan, M., Wan, L., 2020. Exploring the Pathways to Participation in Household Waste Sorting in Different National Contexts: A Fuzzy-Set QCA Approach.

IEEE Access 8, 179373–179388.
<https://doi.org/10.1109/ACCESS.2020.3027978>

Wang, C., Qin, J., Qu, C., Ran, X., Liu, C., Chen, B., 2021. A smart municipal waste management system based on deep-learning and Internet of Things. *Waste Management* 135, 20–29. <https://doi.org/10.1016/j.wasman.2021.08.028>

Zhai, Z., Martínez, J.F., Beltran, V., Martínez, N.L., 2020. Decision support systems for agriculture 4.0: Survey and challenges. *Computers and Electronics in Agriculture* 170, 105256. <https://doi.org/10.1016/j.compag.2020.105256>