

DAFTAR PUSTAKA

- Adochiei, F.C., Nicolescu, Ş.T., Adochiei, I.R., Seritan, G.C., Enache, B.A., Argatu, F.C. and Costin, D., 2020, October. Electronic system for real-time indoor air quality monitoring. In *2020 international conference on e-health and bioengineering (EHB)* (pp. 1-4). IEEE.
- Alimissis, A., Philippopoulos, K., Tzani, C.G. and Deligiorgi, D., 2018. Spatial estimation of urban air pollution with the use of artificial neural network models. *Atmospheric environment*, *191*, pp.205-213.
- Arthur, E.A.E., Wulnye, F.A., Gookyi, D.A.N., Agyekum, K.O.B.O., Danquah, P. and Gyaang, R., 2024, March. Edge impulse vs tensorflow: a comparative analysis of tinyML platforms for maize leaf disease identification. In *2024 Conference on Information Communications Technology and Society (ICTAS)* (pp. 1-6). IEEE.
- Azid, A., Juahir, H., Latif, M.T., Zain, S.M. and Osman, M.R., 2013. Feed-forward artificial neural network model for air pollutant index prediction in the southern region of Peninsular Malaysia. *Journal of Environmental Protection*, *2013*.
- Dokic, K., Martinovic, M. and Radisic, B., 2020, March. Neural networks with ESP32-are two heads faster than one?. In *2020 6th Conference on Data Science and Machine Learning Applications (CDMA)* (pp. 141-145). IEEE.
- Dutta, L. and Bharali, S., 2021. Tinyml meets iot: A comprehensive survey. *Internet of Things*, *16*, p.100461.
- Dusarlapudi, K., ChethanSimha, M., Kasukurthi, R., Menon, T.S., Shashank, E.S. and Srinivas, K.S., 2024, August. Smart Wearable Embedded Systems for Human Activity Recognition (HAR) Using Edge Computing. In *2024 5th International Conference on Electronics and Sustainable Communication Systems (ICESC)* (pp. 797-802). IEEE.
- Hamami, F. and Fithriyah, I., 2020, October. Classification of air pollution levels using artificial neural network. In *2020 International Conference on Information Technology Systems and Innovation (ICITSI)* (pp. 217-220). IEEE.
- Hua, H., Li, Y., Wang, T., Dong, N., Li, W. and Cao, J., 2023. Edge computing with artificial intelligence: A machine learning perspective. *ACM Computing Surveys*, *55*(9), pp.1-35.
- Jo, J., Jo, B., Kim, J., Kim, S. and Han, W., 2020. Development of an IoT-based indoor air quality monitoring platform. *Journal of Sensors*, *2020*(1), p.8749764.
- Kallimani, R., Pai, K., Raghuwanshi, P., Iyer, S. and López, O.L., 2024. TinyML: Tools, applications, challenges, and future research directions. *Multimedia Tools and Applications*, *83*(10), pp.29015-29045.
- Kementerian Kesehatan Republik Indonesia, 2011. Peraturan Menteri Kesehatan Republik Indonesia Nomor 1077/MENKES/PER/V/2011 Tentang Pedoman Penyehatan Udara Dalam Ruang Rumah.

- Kim, J.Y., Chu, C.H. and Shin, S.M., 2014. ISSAQ: An integrated sensing systems for real-time indoor air quality monitoring. *IEEE Sensors Journal*, 14(12), pp.4230-4244.
- Maroni, M., Seifert, B. and Lindvall, T. eds., 1995. *Indoor air quality: a comprehensive reference book* (Vol. 3). Elsevier.
- McGrath, S., Flanagan, C., Zeng, L. and O'leary, C., 2020, June. IoT personal air quality monitor. In *2020 31st Irish signals and systems conference (ISSC)* (pp. 1-4). IEEE.
- Rose, K., Eldridge, S. and Chapin, L., 2015. The internet of things: An overview. *The internet society (ISOC)*, 80(15), pp.1-53.
- Saad, S.M., Melvin Andrew, A., Md Shakaff, A.Y., Mohd Saad, A.R., Muhamad Yusof Kamarudin, A. and Zakaria, A., 2015. Classifying sources influencing indoor air quality (IAQ) using artificial neural network (ANN). *Sensors*, 15(5), pp.11665-11684.
- Saini, J., Dutta, M. and Marques, G., 2020. Indoor air quality monitoring systems based on internet of things: A systematic review. *International journal of environmental research and public health*, 17(14), p.4942.
- Sanchez-Iborra, R. and Skarmeta, A.F., 2020. Tinyml-enabled frugal smart objects: Challenges and opportunities. *IEEE Circuits and Systems Magazine*, 20(3), pp.4-18.
- Shah, S.K., Tariq, Z., Lee, J. and Lee, Y., 2020. Real-time machine learning for air quality and environmental noise detection. In *2020 IEEE International Conference on Big Data (Big Data)* (pp. 3506-3515). IEEE.
- Sun, C., Li, J., Sulaiman, R., Alotaibi, B.S., Elattar, S. and Abuhussain, M., 2023. Air Quality Prediction and Multi-Task Offloading based on Deep Learning Methods in Edge Computing. *Journal of Grid Computing*, 21(2), p.32.
- Tijani, I.B., Almannae, A.D., Alharthi, A.A. and Alremeithi, A.M., 2018. Wireless sensor node for indoor air quality monitoring system. In *2018 Advances in Science and Engineering Technology International Conferences (ASET)* (pp. 1-6). IEEE.
- Wardana, I.N.K., Gardner, J.W. and Fahmy, S.A., 2023. Collaborative learning at the edge for air pollution prediction. *IEEE Transactions on Instrumentation and Measurement*, 73, pp.1-12.
- World Health Organization, 2010. WHO guidelines for indoor air quality: selected pollutants.
- Yu, C., Tan, J., Cheng, Y. and Mi, X., 2024. Data analysis and preprocessing techniques for air quality prediction: a survey. *Stochastic Environmental Research and Risk Assessment*, 38(6), pp.2095-2117.
- Zhao, X., Zhang, R., Wu, J.L. and Chang, P.C., 2018. A Deep Recurrent Neural Network for Air Quality Classification. *J. Inf. Hiding Multim. Signal Process.*, 9(2), pp.346-354.