

## REFERENCES

- [1] Javid, Allahbakhsh et al. "Towards the Application of Fuzzy Logic for Developing a Novel Indoor Air Quality Index (FIAQI)." *Iranian journal of public health* vol. 45,2 (2016): 203-13.
- [2] Ingo E. Ispording, Nico Pestel, Pandemic meets pollution: Poor air quality increases deaths by COVID-19. *Journal of Environmental Economics and Management*, Volume 108, 2021. Available: <https://doi.org/10.1016/j.jeem.2021.102448>.
- [3] Mandal, T., Gorai, A.K. & Pathak, G. Development of fuzzy air quality index using soft computing approach. *Environ Monit Assess* 184, 6187–6196 (2012).
- [4] K. Pratama and E. Setiawan, "Implementasi Monitoring Kualitas Udara Menggunakan Peramalan Exponential Smoothing dan NodeMCU Berbasis Mobile Android", *Ultima Computing : Jurnal Sistem Komputer*, vol. 9, no. 2, pp. 58-66, Apr. 2018.
- [5] Hanna Febryna Simorangkir, "Rancang Bangun Pemantauan Kualitas Udara Pada Taman Wilayah Melalui Website Berbasis Arduino Menggunakan Logika Fuzzy", Vol. 1 No. 1 (2107): JATI Vol. 1 No. 1, 2017.
- [6] Zakaria, Nurul Azma et al. "Wireless Internet of Things-Based Air Quality Device for Smart Pollution Monitoring." *International Journal of Advanced Computer Science and Applications* 9 (2018).
- [7] Brainvendra Widi Dionova, M.N. Mohammed, S. Al-Zubaidi, Eddy Yusuf, Environment indoor air quality assessment using fuzzy inference system. *ICT Express*, Volume 6, Issue 3, 2020. Available: <https://www.sciencedirect.com/science/article/pii/S2405959520301065>
- [8] Rui Yan, Jiaqiang Liao, Jie Yang, Wei Sun, Mingyue Nong, Feipeng Li, Multi-hour and multi-site air quality index forecasting in Beijing using CNN, LSTM, CNN-LSTM, and spatiotemporal clustering. *Expert Systems with Applications*, Volume 169, 2021. Available: <https://www.sciencedirect.com/science/article/pii/S095741742031157X>
- [9] Minqiu Zhou, Amir M. Abdulghani, Muhammad A. Imran, and Qammer H. Abbasi. 2020. Internet of Things (IoT) Enabled Smart Indoor Air Quality Monitoring System. In *Proceedings of the 2020 International Conference on Computing, Networks and Internet of Things (CNIOT2020)*. Association for Computing Machinery, New York, NY, USA, 89–93.
- [10] Bedekar, Gayatri and Patil, R.S. and Tergundi, Parimal and Goudar, R. H., An Efficient Implementation of ARIMA Technique for Air Quality Prediction, 2021. Available: <https://ssrn.com/abstract=3889537>
- [11] Jaka Prayudha, Ardianto Pranata, and Afdal Al Hafiz, "Implementasi Metode Fuzzy Logic Untuk Sistem Pengukuran Kualitas Udara Di Kota Medan Berbasis Internet Of Things (IoT)", Vol 4, No 2 (2018), 2018.
- [12] T. Liu and S. You, "Analysis and Forecast of Beijing's Air Quality Index Based on ARIMA Model and Neural Network Model," *Atmosphere*, vol. 13, no. 4, p. 512, Mar. 2022.
- [13] S. M. Saad, A. Y. M. Shakaff, A. R. M. Saad, A. M. Yusof, A. M. Andrew, A. Zakaria, and A. H. Adom, "Development of indoor environmental index: Air quality index and thermal comfort index", *AIP Conference Proceedings* 1808, 2017.
- [14] R. Janarthanan, P. Partheeban, K. Somasundaram, P. Navin Elamparithi. A deep learning approach for prediction of air quality index in a metropolitan city. *Sustainable Cities and Society*, Volume 67, 2021. Available: <https://doi.org/10.1016/j.scs.2021.102720>
- [15] J. Kang and K.-I. Hwang, "A Comprehensive Real-Time Indoor Air-Quality Level Indicator," *Sustainability*, vol. 8, no. 9, p. 881, Sep. 2016, doi: 10.3390/su8090881.
- [16] Yu T-C, Lin C-C. An Intelligent Wireless Sensing and Control System to Improve Indoor Air Quality: Monitoring, Prediction, and Preaction. *International Journal of Distributed Sensor Networks*. 2015;11(8). doi:10.1155/2015/140978
- [17] Lewis, C. D., 1982. *Industrial and Business Forecasting Methods*. London: Butterworths.