DAFTAR PUSTAKA

Abdullah, N., Suhendi, A., & Suwandi. (2019). Design And Realitation Of Arduino Uno Based Hydrogen , Methane And Carbon Monoxide Contained In Cigarette Smoke Filtering Equipment. *E-Proceeding of Engineering*, *6*(1), 1212–1218.

Algarín, C. R., Cabarcas, J. C., & Llanos, A. P. (2017). Low-cost fuzzy logic control for greenhouse environments withweb monitoring. *Electronics (Switzerland)*, *6*(4). https://doi.org/10.3390/electronics6040071

Amini, A., & Nikraz, N. (2016). Proposing two defuzzification methods based on output fuzzy set weights. *International Journal of Intelligent Systems and Applications*, *8*(2), 1–12. https://doi.org/10.5815/ijisa.2016.02.01

Baby, C. J., Khan, F. A., & Swathi, J. N. (2017). Home automation using IoT and a chatbot using natural language processing. *2017 Innovations in Power and Advanced Computing Technologies, i-PACT 2017*, *2017-Janua*, 1–6. https://doi.org/10.1109/IPACT.2017.8245185

Bajpai, D., & Mandal, A. (2015). Effect of Different Defuzzification Methods on the Performance of Fuzzy Logic Controller for PMSM Drives. *International Journal of Engineering Research and Technology (IJERT)*, *4*(2), 341–344. Retrieved from www.ijert.org

Budiyono, A. (2016). Index Kualitas Udara. *Berita Dirgantara*, *3*(1), 1–14.

Byron, D. K., Katahira, R. T., Krishnamurthy, L., & Trim, C. M. (2016). *Automating natural-language interactions between an expert system and a user*. *2*(12). https://doi.org/10.1021/n10602701.

Caraveo, C., Valdez, F., & Castillo, O. (2016). Optimization of fuzzy controller design using a new bee colony algorithm with fuzzy dynamic parameter adaptation. *Applied Soft Computing Journal*, *43*, 131–142. https://doi.org/10.1016/j.asoc.2016.02.033

Chaudhary, S., Bhargave, V., Kulkarni, S., Puranik, P., & Shinde, A. (2018). Home Automation System Using WeMos D1 Mini. *International Research Journal of Engineering and Technology (IRJET)*, *5*(5), 4238–4241.

Defnizal. (2019). Penerapan Fuzzy Logic Pada Sistem Pendeteksi Gas C4H10 Dalam Ruangan Sebagai Media Untuk Menampilkan Bahaya Berbasis Android Dan Graphical User Interface. *Jurnal Komputer Teknologi Informasi*, *6*(1), 40–49.

Dolatshahi, E. (2015). A smart home automation system (Vol. 345). https://doi.org/10.1007/978-3-319-17314-6_50

Gupta, C., Jain, A., & Joshi, N. (2018). Fuzzy Logic in Natural Language Processing - A Closer View. *Procedia Computer Science*, *132*, 1375–1384. https://doi.org/10.1016/j.procs.2018.05.052

Gustavia, R. A., & Nurraharjo, E. (2018). Rancang Bangun Sistem Multiple Warning Deteksi Asap Rokok. *Prosiding SINTAK 2018*, 278–282.

Haryanto, E. V., & Nasari, F. (2015). PERBANDINGAN PENERAPAN METODE FUZZY MAMDANI DAN SUGENO DALAM MEMPREDIKSI TINGGINYA PEMAKAIAN LISTRIK (STUDI KASUS KELURAHAN XYZ). *STMIK AMIKOM Yogyakarta*, *ISSN*(3), 115–119.

Henan, H. (2016). *MQ-7 Gas Sensor Datasheet*. *1*, 3–5.

Jaladi, A. R., Khithani, K., Pawar, P., Malvi, K., & Sahoo, G. (2017). Environmental Monitoring Using Wireless Sensor Networks (WSN) based on IOT . *International Research Journal of Engineering and Technology (IRJET)*, *4*(1), 1371–1378. Retrieved from https://irjet.net/archives/V4/i1/IRJET-V4I1246.pdf

Laksono, P. W., Jauhari, W. A., Iftadi, I., Christina Ayu, K., Ibnu Pandu, B. P., Jamaluddin, A., … Haijunowibowo, D. (2016). A system based on fuzzy logic approach to control humidity and temperature in fungus cultivation. *Proceedings - Joint International Conference on Electric Vehicular Technology and Industrial, Mechanical, Electrical and Chemical Engineering, ICEVT 2015 and IMECE 2015*, 344–347. https://doi.org/10.1109/ICEVTIMECE.2015.7496716

Lestari, K. S., Martini, S., Widati, S., Megatsari, H., & Artanti, K. D. (2017). Kualitas Udara pada Tempat Tertutup dan Aktivitas Merokok di Kota Surabaya Tahun 2015. *IPTEK Journal of Proceedings Series*, *3*(5), 20–24. https://doi.org/10.12962/j23546026.y2017i5.3110

Meana-Llorián, D., González García, C., Pelayo G-Bustelo, B. C., Cueva Lovelle, J. M., & Garcia-Fernandez, N. (2017). IoFClime: The fuzzy logic and the Internet of Things to control indoor temperature regarding the outdoor ambient conditions. *Future Generation Computer Systems*, *76*, 275–284. https://doi.org/10.1016/j.future.2016.11.020

Montoya, J. M., & Chilo, J. (2019). RealTime Wireless Monitoring System of CO 2 and CH 4 in Juliaca-Perú. *2019 10th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS)*, 464–467. https://doi.org/10.1109/IDAACS.2019.8924332

Nurhasanah, Y. I., & Harianja, Y. (2018). Implementasi Metode Top Down Parsing pada Teknologi Bahasa Alamiah dalam Bentuk Chatbot. *MIND Journal*, *1*(1), 51–61. https://doi.org/10.26760/mindjournal.v1i2.51-61

Olajide, A. O., Busayo, A. T., & Olawale, E. T. (2017). Analyzing the Effects of the Different Defuzzification Methods in the Evaluation of Javacomponents' Customizability for Reusability. *International Journal of Advanced Engineering, Management and Science*, *3*(9), 962–971. https://doi.org/10.24001/ijaems.3.9.10

Pambudi, W. S., Fahruzi, A., & Alvian, H. (2019). Prototipe Sistem Kontrol Exhaust Fan pada Smoking Room Menggunakan Metode Fuzzy. *Prosiding Seminar Nasional Sains Dan Teknologi Terapan*, *VII*, 273–278.

Prabowo, B. A., Gautama, A., & Abdorahman, M. (2019). *Design of Classification System to Prevent Damage for Motorcycle Engines by Utilizing DHT11 and MQ-7 Data Sensors*. *6*(2), 9399–9413.

Prayudha, J., Pranata, A., & Al Hafiz, A. (2018). IMPLEMENTASI METODE FUZZY LOGIC UNTUK SISTEM PENGUKURAN KUALITAS UDARA DI KOTA MEDAN BERBASIS INTERNET OF THINGS (IOT). *JURTEKSI*, *4*(2), 141–148. https://doi.org/10.33330/jurteksi.v4i2.57

Sari, D. W. (2018). *Implementasi Natural Language Processing pada Chatbot Peribahasa Indonesia*. UNIVERSITAS SUMATERA UTARA.

Uraon, K. K., & Kumar, S. (2016). Analysis of Defuzzification Method for Rainfall Event. *International Journal of Computer Science and Mobile Computing*, *5*(1), 341–354.

Utomo, D. S. (2018). *PRODUCT PRICE DISPLAY USING WEMOS TUGAS AKHIR*. INSTITUT BISNIS DAN INFORMATIKA STIKOM SURABAYA.

Wolkoff, P. (2018). Indoor air humidity, air quality, and health – An overview. *International Journal of Hygiene and Environmental Health*, *221*(3), 376–390. https://doi.org/10.1016/j.ijheh.2018.01.015