

DAFTAR PUSTAKA

- [1] A. P. Jones, "Indoor air quality and health," *Atmos Environ*, vol. 33, no. 28, pp. 4535–4564, Dec. 1999, doi: 10.1016/S1352-2310(99)00272-1.
- [2] L. Fitria, R. Arminsih Wulandari, E. Hermawati, D. Susanna Departemen Kesehatan Lingkungan, and F. Kesehatan Masyarakat, "Kualitas Udara Dalam Ruang Perpustakaan Universitas 'X' Ditinjau Dari Kualitas Biologi, Fisik, dan Kimiawi" vol. 12, no. 2, pp. 77–83, 2008.
- [3] "Introduction to Indoor Air Quality | US EPA." <https://www.epa.gov/indoor-air-quality-iaq/introduction-indoor-air-quality> (Accessed Nov. 17, 2022).
- [4] "Peraturan Menteri Kesehatan Republik Indonesia".
- [5] W. Cintya Dewi, M. Raharjo, N. Endah Wahyuningsih, F. Kesehatan Masyarakat Universitas Diponegoro Jl Sudarto No, and T. Kota Semarang Jawa Tengah Indonesia, "Literatur Review : Hubungan Antara Kualitas Udara Ruang Dengan Gangguan Kesehatan Pada Pekerja," *An-Nadaa: Jurnal Kesehatan Masyarakat (e-Journal)*, vol. 8, no. 1, pp. 88–94, Jun. 2021, doi: 10.31602/ANN.V8I1.4815.
- [6] V. Van Tran, D. Park, and Y. C. Lee, "Indoor Air Pollution, Related Human Diseases, and Recent Trends in the Control and Improvement of Indoor Air Quality," *International Journal of Environmental Research and Public Health* 2020, Vol. 17, Page 2927, vol. 17, no. 8, p. 2927, Apr. 2020, doi: 10.3390/IJERPH17082927.
- [7] M. E. Zamani, J. Jalaludin, and N. Shaharom, "Indoor air quality and prevalence of sick building syndrome among office workers in two different offices in selangor," *Am J Appl Sci*, vol. 10, no. 10, pp. 1140–1147, Oct. 2013, doi: 10.3844/AJASSP.2013.1140.1147.
- [8] O. US EPA, "A Standardized EPA Protocol for Characterizing Indoor Air Quality in Large Office Buildings".
- [9] L. Wang, G. Mcmorrow, X. Zhou, and Z. D. O'Neill, "Assessing the validity, reliability, and practicality of ASHRAE's performance measurement protocols (ASHRAE Research Project 1702)," <https://doi.org/10.1080/23744731.2018.1561075>, vol. 25, no. 4, pp. 464–487, Apr. 2019, doi: 10.1080/23744731.2018.1561075.

- [10] M. Ródenas García *et al.*, “Review of low-cost sensors for indoor air quality: Features and applications,” *Appl Spectrosc Rev*, vol. 57, no. 9–10, pp. 747–779, 2022, doi: 10.1080/05704928.2022.2085734.
- [11] H. Ritchie and M. Roser, “Indoor Air Pollution,” *Our World in Data*, Nov. 2013, Accessed: Oct. 31, 2022. [Online]. Available: <https://ourworldindata.org/indoor-air-pollution>
- [12] “7 million premature deaths annually linked to air pollution.” <https://www.who.int/news/item/25-03-2014-7-million-premature-deaths-annually-linked-to-air-pollution> (Accessed Aug. 12, 2023).
- [13] “View of Polusi Udara dalam Ruangan dan Kondisi Kesehatan: Analisis Rumah Tangga Indonesia.” <https://jepi.fe.ui.ac.id/index.php/JEPI/article/view/1350/370> (accessed Oct. 29, 2022).
- [14] H. Shidki, I. Chandra, and E. Djunaedy, “Analisis Kualitas Udara Dalam Ruangan Pada Kantor Terbuka Di Universitas Telkom,” *eProceedings of Engineering*, vol. 7, no. 1, Apr. 2020, Accessed: Nov. 05, 2022. [Online]. Available: <https://openlibrarypublications.telkomuniversity.ac.id/index.php/engineering/article/view/11496>
- [15] S. Kim and E. Paulos, “inAir: Sharing indoor air quality measurements and visualizations,” *Conference on Human Factors in Computing Systems - Proceedings*, vol. 3, pp. 1861–1870, 2010, doi: 10.1145/1753326.1753605.
- [16] “(PDF) Sistem Wireless Sensor Network Berbasis Arduino Uno dan Raspberry Pi untuk Pemantauan Kualitas Udara di Cempaka Putih Timur, Jakarta Pusat.” https://www.researchgate.net/publication/318928352_Sistem_Wireless_Sensor_Network_Berbasis_Arduino_Uno_dan_Raspberry_Pi_untuk_Pemantauan_Kualitas_Udara_di_Cempaka_Putih_Timur_Jakarta_Pusat (Accessed Jan. 05, 2023).
- [17] Y. S. S. Djohan, “Validitas Data Kualitas Udara Berbasis Metode *Fault Detection* Pada Pengukuran Jangka Panjang,” 2021, Accessed: Dec. 21, 2022. [Online]. Available: <https://openlibrary.telkomuniversity.ac.id/home/catalog/id/169175/slug/validasi-data-kualitas-udara-berbasis-metode-fault-detection-pada-pengukuran-jangka-panjang.html>
- [18] U. J. Shobrina, *Analisis Kinerja Pengiriman Data Modul Transceiver NRF24L01, XBEE Dan WiFi ESP8266 Pada Wireless Sensor Network*. 2017.

- [19] I. G. M. N. Desnanjaya and M. D. Alfian, “Pengiriman Data nrf24L01+ Dengan Kondisi *Line of Sight* dan *Non Line of Sight*,” *Jurnal RESISTOR (Rekayasa Sistem Komputer)*, vol. 3, no. 2, pp. 128–139, Nov. 2020, doi: 10.31598/JURNALRESISTOR.V3I2.663.
- [20] “Implementasi Perangkat Gateway Untuk Pengiriman Data Sensor Dari Lapangan Ke Pusat Data Pada Jaringan Wireless Sensor Network Berbasis Perangkat nRF24L01 | Jurnal Pengembangan Teknologi Informasi dan Ilmu Komputer.” <https://j-ptiik.ub.ac.id/index.php/j-ptiik/article/view/5007> (accessed Dec. 29, 2022).
- [21] A. Akhriana, I. Irsal, Muh. I. Hidayat, and I. Inkasari, “Analisis Pengiriman Data Pada Jaringan Sensor Nirkabel Menggunakan Modul XBEE Dan Wemos,” *PROtek : Jurnal Ilmiah Teknik Elektro*, vol. 7, no. 1, pp. 33–39, May 2020, doi: 10.33387/PROTK.V7I1.1765.
- [22] D. Farras Habibie and E. Yundra SPd, “Evaluasi Kinerja *Wireless Body Area Network* Pada Media Transmisi Zigbee dan Wlan,” *Jurnal Teknik Elektro*, vol. 9, no. 2, Jan. 2020, Accessed: Dec. 29, 2022. [Online]. Available: <https://jurnalmahasiswa.unesa.ac.id/index.php/JTE/article/view/31927>
- [23] M. Muliadi, A. Imran, and M. Rasul, “Pengembangan Tempat Sampah Pintar Menggunakan ESP32,” *Jurnal Media Elektrik*, vol. 17, no. 2, pp. 73–79, Mar. 2020, doi: 10.26858/METRIK.V17I2.14193.
- [24] C. T. H. Manurung, J. Arifin, F. T. Syifa, and R. A. Rochmanto, “Pemanfaatan ESP32 Sebagai Sistem Pemantauan Kualitas Air Keran Siap Minum Secara Real-Time Menggunakan Aplikasi,” *Journal of Telecommunication, Electronics, and Control Engineering (JTECE)*, vol. 4, no. 2, pp. 93–98, Jul. 2022, doi: 10.20895/JTECE.V4I2.535.
- [25] Ari Angga Wijaya, “Mengenal berbagai macam topologi jaringan serta kelebihan dan kekurangannya”.
- [26] I. W. Sutaya, K. U. Ariawan, and D. G. H. Divayana, “Implementasi Jaringan WSN Mesh Berbasis Radio Wireless nRF24L01 Pada Sistem Meteran Air Rumah Kos,” *Jurnal EECCIS (Electrics, Electronics, Communications, Controls, Informatics, Systems)*, vol. 13, no. 1, pp. 11–16, Apr. 2019, doi: 10.21776/JEECCIS.V13I1.555.
- [27] P. W. Ginta, G. P. Kusuma, and E. K. Negara, “Implementasi *Tools Network Mapper* Pada *Local Area Network* (LAN),” *Jurnal Media Infotama*, vol. 9, no. 2, 2013, doi: 10.37676/JMI.V9I2.66.

- [28] “A Guide to Siting and Installing Air Sensors | US EPA.” <https://www.epa.gov/air-sensor-toolbox/guide-siting-and-installing-air-sensors> (accessed Dec. 18, 2022).
- [29] “Mengenai Box-Plot (Box and Whisker Plots) – Accounting.” <https://accounting.binus.ac.id/2020/12/19/mengenai-box-plot-box-and-whisker-plots/> (Accessed Dec. 21, 2022).
- [30] L. Siburian, “Analisis Model Altman Z-Score Dalam Memprediksi Kebangkrutan Pada Perusahaan Perbankan Go Public Di Bursa Efek Indonesia,” Apr. 2019, Accessed: Dec. 21, 2022. [Online]. Available: <https://repository.uhn.ac.id/handle/123456789/2261>
- [31] “Standard Deviation.” https://www.nlm.nih.gov/nichsr/stats_tutorial/section2/mod8_sd.html (Accessed Dec. 21, 2022).
- [32] T. B. Ottosen and P. Kumar, “Outlier detection and gap filling methodologies for low-cost air quality measurements,” *Environ Sci Process Impacts*, vol. 21, no. 4, pp. 701–713, Apr. 2019, doi: 10.1039/C8EM00593A.
- [33] F. ROFII, F.- HUNAINI, and S. SHOLAWATI, “Kinerja Jaringan Komunikasi Nirkabel Berbasis Xbee pada Topologi Bus, Star dan Mesh,” *ELKOMIKA: Jurnal Teknik Energi Elektrik, Teknik Telekomunikasi, & Teknik Elektronika*, vol. 6, no. 3, p. 393, Oct. 2018, doi: 10.26760/ELKOMIKA.V6I3.393.
- [34] “(PDF) Modul Uji Validitas dan Reliabilitas.” https://www.researchgate.net/publication/328600462_Modul_Uji_Validitas_dan_Reliabilitas (accessed May 17, 2023).
- [35] “Linearitas Kurva Kalibrasi Parameter Kualitas Lingkungan www.infolabling.com.” <https://www.infolabling.com/2014/03/linearitas-kurva-kalibrasi-parameter.html#.Y6q1-XZBzIW> (accessed Dec. 27, 2022).
- [36] A. Rizki, M. Muhammad, and N. Nasri, “Analisis *Quality of Service* (QoS) Layanan Jaringan Data Internet Pada *Game Online*,” *Jurnal TEKTRO*, vol. 5, no. 1, p. 43, 2021, doi: 10.30811/TEKTRO.V5I1.2792.
- [37] T. Godish and J. D. Spengler, “Relationships Between Ventilation and Indoor Air Quality: A Review,” *Indoor Air*, vol. 6, no. 2, pp. 135–145, Jun. 1996, doi: 10.1111/J.1600-0668.1996.00010.X.
- [38] “Keputusan Menteri Kesehatan Republik Indonesia Nomor 1405/MENKES/SK/XI/2002”.

- [39] P. M. Shrestha *et al.*, “Impact of Outdoor Air Pollution on Indoor Air Quality in Low-Income Homes during Wildfire Seasons,” *Int J Environ Res Public Health*, vol. 16, no. 19, 2019, doi: 10.3390/IJERPH16193535.
- [40] W. P, W. DP, S. J, C. G, and F. PO, “The effects of outdoor air supply rate in an office on perceived air quality, sick building syndrome (SBS) symptoms and productivity,” *Indoor Air*, vol. 10, no. 4, pp. 222–236, 2000, doi: 10.1034/J.1600-0668.2000.010004222.X.
- [41] T. Fazli, Y. Zeng, and B. Stephens, “Fine and ultrafine particle removal efficiency of new residential HVAC filters,” *Indoor Air*, vol. 29, no. 4, pp. 656–669, Jul. 2019, doi: 10.1111/INA.12566.
- [42] G. Fan, H. Chang, C. Sang, Y. Chen, B. Ning, and C. Liu, “Evaluating Indoor Carbon Dioxide Concentration and Ventilation Rate of Research Student Offices in Chinese Universities: A Case Study,” *Processes 2022, Vol. 10, Page 1434*, vol. 10, no. 8, p. 1434, Jul. 2022, doi: 10.3390/PR10081434.
- [43] C. Y. Lu, J. M. Lin, Y. Y. Chen, and Y. C. Chen, “Building-Related Symptoms among Office Employees Associated with Indoor Carbon Dioxide and Total Volatile Organic Compounds,” *Int J Environ Res Public Health*, vol. 12, no. 6, p. 5833, May 2015, doi: 10.3390/IJERPH120605833.
- [44] “View of Description of Particulate Matter_{2,5} with Library Worker’s Health Complaint in Campus B Universitas Airlangga.” <https://e-journal.unair.ac.id/JKL/article/view/8014/4748> (accessed Jul. 14, 2023).