

DAFTAR PUSTAKA

- [1] S. Widodo, M. M. Amin, A. Sutrisman And A. A. Putra, "Rancang Bangun Alat Monitoring Kadar Udara Bersih Dan Gas Berbahaya Co, Co2, Dan Ch4 Di Dalam Ruangan Berbasis Mikrokontroler," *Jurnal Pseudocode*, Vol. 4, No. 2, Pp. 105-119, 2 September 2017.
- [2] E.Prihatini, S. Rasyad, N. L. Husni, A. S. Handayani And R. Handayani, "'Robot Pemantau Kualitas Udara Berbasis Android'," *Jurnal TIPS : Jurnal Teknologi Informasi Dan Komputer Politeknik Sekayu*, Vol. VIII, No. 1, Pp. 74-80, Januari - Juni 2018.
- [3] M. S. S. Virdaus And E. Ihsanto, "Rancang Bangun Monitoring Dan Kontrol Kualitas Udara Dengan Metode Fuzzy Logic Berbasis Wemos," *Jurnal Teknologi Elektro*, Vol. 12, No. 01, Pp. 22-28, 2021.
- [4] W. H. Organization, "Ambient (Outdoor) Air Pollution," 19 Desember 2022. [Online]. Available: [https://www.who.int/news-room/fact-sheets/detail/ambient-\(outdoor\)-air-quality-and-health](https://www.who.int/news-room/fact-sheets/detail/ambient-(outdoor)-air-quality-and-health). [Accessed 3 Januari 2023].
- [5] M. Rosyidah, "Polusi Udara Dan Kesehatan Pernafasan," *Integrasi*, Vol. 1, No. 2, P. 1, 2 Oktober 2016.
- [6] R. D. Ratnani, "Teknik Pengendalian Pencemaran Udara Yang Diakibatkan Oleh Partikel," *Jurnal Momentum Unwahas*, Vol. 4, No. 2, Pp. 27-32, Oktober 2008.
- [7] A. Budiyo, "Pencemaran Udara : Dampak Pencemaran Udara Pada Lingkungan," *Berita Dirgantara*, Vol. 2, No. 1, Maret 2001.
- [8] A. Al-Fuqaha, M. Guizani, M. Mohammadi, M. Aledhari And M. Ayyash, "Internet Of Things : A Survey On Enabling Technologies, Protocols, And Applications," *In Ieee Communications Surveys & Tutorials*, Vol. 17, No. 4, Pp. 2347-2376, 2015.
- [9] J. P. S. Sundaram, W. Du And Z. Zhao, "A Survey On Lora Networking: Research Problems, Current Solutions, And Open Issues," *In Ieee Communications Surveys & Tutorials*, Vol. 22, No. 1, Pp. 371-388, 2020.
- [10] K. Peraturan Menteri Komunikasi Dan Informatika Nomor 1 Tahun 2019 Tentang Penggunaan Spektrum Frekuensi Radio Berdasarkan Izin Kelas, Jakarta: Kementrian Komunikasi Dan Informatika, 2019.
- [11] R. Abadi, "Sistem Telemteri Gas Karbon Monoksida Dan Karbon Dioksida Berbasis Web Di Universitas Lampung," Universitas Lampung, Bandar Lampung, 2018.

- [12] C. I. Y. Gessal, A. S. M. Lumenta And B. A. Sugiarto, "Kolaborasi Aplikasi Android Dengan Sensor Mq-135 Melahirkan Detektor Polutan Udara," *Jurnal Teknik Informatika*, Vol. 14, No. 1, Pp. 109-120, 2019.
- [13] A. A. Rosa, B. A. Simon And K. S. Liento, "Sistem Pedeteksi Pencemar Udara Portabel Menggunakan Sensor Mq-7 Dan Mq-135," *Ultima Computing*, Vol. Xii, No. 1, Pp. 23-28, 16 Juni 2020.
- [14] D. Kurnianto, K. N. Testy And P. Yulianto, "Sistem Monitoring Kualitas Udara Berbasis Komunikasi Lora Di It Telkom Purwokerto," *Dinamika Rekayasa*, Vol. 18, No. 1, Pp. 35-47, 2022.
- [15] Wilianto And A. Kurniawan, "SEJARAH, CARA KERJA DAN MANFAAT INTERNET OF THINGS," *Jurnal Matrix*, Vol. 8, No. 2, Pp. 36-41, Juli 2018.
- [16] E. Murdyantoro, I. Rosyadi And H. Septian, "Studi Performansi Jarak Jangkauan Lora Olg01 Sebagai Infrastruktur Konektivitas Nirkabel Iot," *Dinamika Rekayasa*, Vol. 15, No. 1, Pp. 47-56, 2019.
- [17] R. Mahmoud, T. Yousuf , F. Aloul And I. Zualkernan, "Internet Of Things (Iot) Security: Current Status, Challenges, And Prospective Measures," 2015.
- [18] A. Yanziah, S. Soim And M. M. Rose, "Analisis Jarak Jangkauan Lora Dengan Parameter Rssi Dan Packet Loss Pada Area Urban," *Jurnal Teknologi Technoscintia*, Vol. 13, No. 1, Pp. 59-67, 1 Agustus 2020.
- [19] N. Nitin , "Lpwan Tehnologies For Iot Systems: Choice Between Ultra Narrow Band And Spectrum," Pp. 1-8, 2018.
- [20] A. M. Yousuf, E. M. Rochester, B. Ousat And M. Ghaderi, "Througput, Coverage And Scalability Of Lora Lpwan For Internet Of Things," In *Ieee/Acm 26th International Symposium On Quality Of Service (Iwqos)*, 2018.
- [21] M. Diana, R. Nazir And A. Rufiyanto, "Harvesting Rf Ambient Energy Dari End Device Lora," *Jurnal Infotel*, Vol. 9, No. 4, Pp. 387-393, 4 November 2017.
- [22] A. Augustin, W. M. Townsley And J. Y. T. Clausen, "A Study Of Lora: Long Range & Low Power Networks For The Internet Of Things," Vol. 16, No. 9, Pp. 1-18, 2016.
- [23] K. Wang, "Application Of Wireless Sensor Network Based On Lora In City Gas Meter Reading," *Int. J. Online Eng*, Vol. 13, No. 12, Pp. 104-115, 2017.
- [24] D. Sjöström, "Unlicensed And Licensed Low-Power Wide Area Networks: Exploring The Candidates For Massive Iot," 2017.

- [25] Hope Microelectronics Co., "Datasheet: RFM95/96/97/98(W) V1.0," 2014. [Online]. Available: https://www.hoperf.com/Data/Upload/Portal/20190301/RFM95_96_97_98W.Pdf.
- [26] Hanwei Electronics Co., Ltd, "Technical Data Mq-7 Gas Sensor," [Online]. Available: <https://www.sparkfun.com/datasheets/sensors/biometric/mq-7.pdf>.
- [27] A. P. Zanofa, R. Arrahman, M. Bakri And A. Budiman, "Pintu Gerbang Otomatis Berbasis Mikrokontroler Arduino Uno R3," *Jurnal Teknik Dan Sistem Komputer*, Vol. 1, No. 1, Pp. 22-27, Juni 2020.
- [28] Aruino.Cc, "A000066-Datasheet.Pdf," Arduino.Cc, 13 Juli 2023. [Online]. Available: <https://docs.arduino.cc/resources/datasheets/A000066-datasheet.pdf>.
- [29] T. Suryana, "Implementasi Web Server Nodemcu Esp8266 Untuk Kontrol Peralatan Elektronik Jarak Jauh Via Internet," *Jurnal Komputa Unikom*.
- [30] Z. O, Basic Arduino #1, Yogyakarta: Indobot Robotic Center, 2017.
- [31] F. Supegina And E. J. Setiawan, "Rancang Bangun Iot Temperature Controller Untuk Enclosure Bts Berbasis Microcontroller Wemos Dan Android," *Jurnal Teknologi Elektro, Universitas Mercu Buana*, Vol. 8, No. 2, Pp. 145-150, Mei 2017.
- [32] I. P. Setiawan, "Analisis Parameter Lora Pada Lingkungan Indoor," 2020.
- [33] T. S. J. Putra, "Analisis Kualitas Signal Wireless Berdasarkan Received Signal Stregth Indicator Pada Universitas Kristen Satya Wacana," 2018.

