

## DAFTAR PUSTAKA

- 7 Tips For Power Consumption / Battery Life / LoRaWAN Sensors.* (2022).  
<https://www.milesight-iot.com/blog/minimizing-power-consumption-longer-battery-life-sensors/>
- 12V 1 Channel Relay Module (with Optocoupler) – RoboticsDNA.* (2019).  
<https://roboticsdna.in/product/relay-module-1-channel-12v-optocoupler-based/>
- Adafruit RFM95W LoRa Radio Transceiver Breakout - 868 or 915 MHz [RadioFruit] : ID 3072 : \$19.95 : Adafruit Industries, Unique & fun DIY electronics and kits.* (2016).  
<https://www.adafruit.com/product/3072>
- Antares / Reliable IoT Platform.* (2023a). <https://antares.id/connectivity>
- Antares / Reliable IoT Platform.* (2023b). <https://antares.id/gateway>
- Antares / Reliable IoT Platform.* (2023c). <https://antares.id/platform>
- David K., R. (2022). *Rancang Bangun Sistem Monitoring Mobil Dinas Di Kota Bandung Menggunakan GPS Tracker Berbasis Komunikasi LoRa.*
- Espressif Systems. (2023). *ESP32WROOM32 Datasheet.*  
<https://www.espressif.com/en/support/download/documents>.
- HLK-10M05 footprint & symbol by Hi-link / SnapEDA.* (2023).  
<https://www.snapeda.com/parts/HLK-10M05/Hi-link/view-part/?ref=search&t=Hi-Link%20HLK-10M05>
- HLW8012 board calibration · Issue #24 · xoseperez/hlw8012 · GitHub.* (2021).  
<https://github.com/xoseperez/hlw8012/issues/24>
- Iyer, K. (2023). *ABP vs OTAA / The Things Stack for LoRaWAN.*  
<https://www.thethingsindustries.com/docs/devices/abp-vs-otaa/>
- LoRa and LoRaWAN: Technical overview / DEVELOPER PORTAL.* (2023). <https://lora-developers.semtech.com/documentation/tech-papers-and-guides/lora-and-lorawan/>
- LoRaWAN Architecture / The Things Network.* (2023).  
<https://www.thethingsnetwork.org/docs/lorawan/architecture/>
- Mambang. (2021). *Buku Ajar Teknologi Komunikasi Internet (Internet of Things).* 1–188.
- Mischianti, R. (2021). *ESP32-wroom-32, esp32-S: flash, pinout, specs and IDE configuration – 1 – Renzo Mischianti.* <https://www.mischianti.org/2021/05/30/esp32-wroom-32-esp32-s-flash-pinout-specs-and-ide-configuration-1/>
- Modul LoRa /.* (2023). <https://iotcenter.telkomuniversity.ac.id/modul-lora/>
- Part 4 : A walk through Internet of Things (IoT) basics. | opentechdiary.* (2015).  
<https://opentechdiary.wordpress.com/2015/07/18/part-4-a-walk-through-internet-of-things-iot-basics/>

- Perez, X. (2016). *The HLW8012 IC in the New Sonoff POW - Tinkerman*.  
<https://tinkerman.cat/post/hlw8012-ic-new-sonoff-pow/>
- Permenhub No. 27 Tahun 2018 tentang Alat Penerangan Jalan [JDIH BPK RI]. (2018).  
<https://peraturan.bpk.go.id/Home/Details/104286/permenhub-no-27-tahun-2018>
- Putra, D. S., Karna, N. B. A., & Mayasari, R. (2019). Rancang Bangun Smart Lighting Dan Monitoring Kondisi Lampu Jalan Berbasis Wireless Sensor Network Menggunakan Lora. *EProceedings of Engineering*, 6(2).  
<https://openlibrarypublications.telkomuniversity.ac.id/index.php/engineering/article/view/10827>
- Putra, P. R. P., & Wibisono, G. (2021). Intelligent Street Light Pole Planning Based on LoRa Technology in Depok City. *2021 International Conference on Green Energy, Computing and Sustainable Technology, GECOST 2021*.  
<https://doi.org/10.1109/GECOST52368.2021.9538728>
- RS Americas. (2023). *Littelfuse - 0451.500MRL - Fuse, Board Mount, 500MA, 125VAC/VDC - RS*. <https://us.rs-online.com/product/littelfuse/0451-500mrl/70519462/>
- RSSI and SNR / *The Things Network*. (2023).  
<https://www.thethingsnetwork.org/docs/lorawan/rssi-and-snr/>
- Sarr, Y., Gueye, B., & Sarr, C. (2019). Performance analysis of a smart street lighting application using LoRa wan. *Proceedings - 2019 International Conference on Advanced Communication Technologies and Networking, CommNet 2019*.  
<https://doi.org/10.1109/COMMNET.2019.8742356>
- Taufik, Misbahuddin, & Made, I. (2021). *Sistem Pemantauan dan Pengendalian Penerangan Jalan Umum Berbasis Internet of Things Menggunakan Perangkat Komunikasi LoRa* (Vol. 8, Issue 2).
- Tung, N. T., Minh Phuong, L., Huy, N. M., Hoai Phong, N., Dinh Huy, T. Le, & Dinh Tuyen, N. (2019). Development and Implementation of Smart Street Lighting System based on Lora Technology. *Proceedings - 2019 International Symposium on Electrical and Electronics Engineering, ISEE 2019*, 328–333.  
<https://doi.org/10.1109/ISEE2.2019.8921028>
- Yudho, S., Pratama, H. H., Rusjdi, D., Siregar, R. R., Koerniawan, T., & Haris, A. (2022). LoRa SNR Evaluation as Portable Sensor. *ICEECIT 2022 - Proceedings: 2022 International Conference on Electrical Engineering, Computer and Information Technology*, 222–225. <https://doi.org/10.1109/ICEECIT55908.2022.10030670>