

DAFTAR PUSTAKA

- Anipindi, K. (2014). An Introduction to ThingSpeak. Retrieved September 23, 2018, from <https://www.codeproject.com/Articles/845538/An-Introduction-to-ThingSpeak>
- Anonim. (2015). *Air Sampling Basics*. Dorset: SKC Ltd.
- Anonim. (2018). The Internet of Things With ESP8266. Retrieved from <http://esp8266.net>
- Aosong Electronics. (2015). Digital-output relative humidity & temperature sensor/module DHT22 (DHT22 also named as AM2302) (Vol. 22, pp. 1–10). Aosong Aelctronics Co., Ltd. Retrieved from <https://www.sparkfun.com/datasheets/Sensors/Temperature/DHT22.pdf%0Ahttps://cdn-shop.adafruit.com/datasheets/Digital+humidity+and+temperature+sensor+AM2302.pdf>
- Arduino. (2018). Arduino Mega 2560 Rev3. Retrieved April 23, 2018, from <https://store.arduino.cc/usa/arduino-mega-2560-rev3>
- Badan Pusat Statistik. (2017). *Jakarta Dalam Angka 2017*. Jakarta: Badan Pusat Statistik (BPS).
- Bell, C. (2013). *Beginning Sensor Networks with Arduino and Raspberry Pi*. (M. Lowman, Ed.), *Beginning Sensor Networks with Arduino and Raspberry Pi* (Vol. 9781430258). New York: Apress. <https://doi.org/10.1007/978-1-4302-5825-4>
- Borg, W. R., & Gall, M. D. (1983). *Educational Research An Introduction*. New York: Longman.
- Budioko, T. (2016). Sistem Monitoring Suhu Jarak Jauh Berbasis Internet of Things Menggunakan Protokol MQTT. *Seminar Nasional Riset Teknologi Informasi*, 1(30 July), 353–358.
- Dinas Komunikasi Informatika dan Statistik Provinsi DKI Jakarta. (2017). Data Pertambahan Jumlah Kendaraan Bermotor DKI Jakarta Tahun 2008 - 2014. Retrieved May 15, 2018, from <http://data.jakarta.go.id/dataset/data-pertambahan-jumlah-kendaraan-bermotor-dki-jakarta/resource/717ad333-b920-4ce0-b798-246f49bb853e>
- Electrow. (2015). Dust Sensor- GP2Y1010AU0F. Retrieved October 1, 2018, from https://www.elecrow.com/wiki/index.php?title=Dust_Sensor-_GP2Y1010AU0F

- Fikri, Y., Sumardi, & Setiyono, B. (2013). Sistem Monitoring Kualitas Udara Berbasis Mikrokontroler ATMega 8535 dengan Komunikasi Protokol TCP / IP Metode.
- Garcia-Molina, H., Ulmann, J. D., & Widom, J. (2009). *Database Systems: The Complete Book*. New Jersey: Pearson Prentice Hall.
- GSMA Association. (2014). *Understanding the Internet of Things (IoT). Gsma Connected Living*. London: GSMA Association. Retrieved from http://www.gsma.com/connectedliving/wp-content/uploads/2014/08/cl_iot_wp_07_14.pdf
- Held, G. (2000). *Understanding Data Communications. Data Communications (Third)*. Chichester: John Wiley & Sons, Ltd.
- Isnaini, V. A., Wardhana, I., & Wirman, R. P. (2015). Rancang Bangun Alat Ukur Pollutant Standard Index Yang Terintegrasi Dengan Pengukuran Faktor-Faktor Cuaca Secara Real Time. *Jurnal Ilmu Fisika*, 7(2), 63–68.
- IUPAC. (1997). *Compendium of Chemical Terminology (the “Gold Book”)* (2nd ed.). Oxford: Blackwell Scientific Publications. <https://doi.org/10.1351/goldbook.I03352>
- Jawad, B. N. (2018). *Prototipe Sistem Pendeteksi Bahaya Kebakaran Berbasis IoT (Internet of Things)*. Universitas Negeri Jakarta.
- Kaur, N., Mahajan, R., & Bagai, D. (2016). Air Quality Monitoring System based on Arduino Microcontroller. *International Journal of Innovative Research in Science, Engineering and Technology*, 5(6), 9635–9646. <https://doi.org/10.15680/IJIRSET.2015.0506018>
- Kepala Badan Pengendalian Dampak Lingkungan. (1997). *Keputusan Kepala Bapedal No. 107 Tahun 1997 Tentang : Perhitungan Dan Pelaporan Serta Informasi Indeks Standar Pencemar Udara*. Badan Pengendalian Dampak Lingkungan.
- Khabibi, M. K. (2018). *Alat Monitoring Kadar Gas Karbon Monoksida (CO) di Udara Via Web*. Universitas Negeri Jakarta.
- Kolban, N. (2016). *Kolban’s Book on ESP8266*. Texas. <https://doi.org/10.1002/ejoc.201200111>
- Kroenke, D. M., & Aeur, D. J. (2012). *Database Processing, Fundamentals, Designing, and Implementations. The effects of brief mindfulness intervention on acute pain experience: An examination of individual difference* (Vol. 1). New Jersey: Prentice Hall. <https://doi.org/10.1017/CBO9781107415324.004>

- Kurniawan, A. (2016). GPS Receiver U blox NEO 6M. Retrieved October 21, 2018, from <https://github.com/agusk/tokomaharaja/wiki/GPS-Receiver-U-blox-NEO-6M>
- Lesmana, R. N., & Rahayu, Y. (2016). Membangun Sistem Pemantau Kualitas Udara Dalam Ruangan Dengan Mengaplikasikan Sensor CO, O3, PM10 Berbasis LabVIEW. *Jom FTEKNIK*, 3(2), 1–6.
- Liu, X., Cheng, S., Liu, H., Hu, S., Zhang, D., & Ning, H. (2012). A survey on gas sensing technology. *Sensors (Switzerland)*, 12(7), 9635–9665. <https://doi.org/10.3390/s120709635>
- Maxim Integrated Product Inc. (2015). *DS1307 64 x 8, Serial, I2C Real-Time Clock Dataheet*. Maxim Integrated Product Inc.
- Mehta, M. (2015). ESP 8266: A BREAKTHROUGH IN WIRELESS SENSOR NETWORKS AND INTERNET OF THINGS, 6(8), 7–11.
- Mitchell, B. (2018). What Is a Modem in Computer Networking? Retrieved April 16, 2018, from <https://www.lifewire.com/what-is-a-modem-817861>
- Mozilla Firefox Developer. (2005). What is the difference between webpage, website, web server, and search engine? Retrieved April 29, 2018, from https://developer.mozilla.org/en-US/docs/Learn/Common_questions/Pages_sites_servers_and_search_engines
- Mulia, V. (2015). Pengertian Internet of Things.
- Pangestu, A. (2018). *Protitipe Alat Pemantau Debu dan Suhu Pada Ruangan Menggunakan Ethernet Shield Berbasis Arduino Mega 2560*. Universitas Negeri Jakarta.
- Presiden Republik Indonesia. (1999). *Peraturan Pemerintah Republik Indonesia No 41 Tahun 1999 Tentang Pengendalian Pencemaran Udara*.
- Puspitasari, R. W. (2014, March 12). Bikin sistem pemantauan udara. Retrieved April 16, 2018, from <http://nasional.kontan.co.id/news/klh-butuh-rp-150-m-bikin-sistem-pemantauan-udara>
- Revathy, V. S., Ganesan, K., Rohini, K., Chindhu, S. T., & Boobalan, T. (2016). Air Pollution Monitoring System. *Journal of Electronics and Communication Engineering (IOSR_JECE)*, 11(2), 27–40. <https://doi.org/10.9790/2834-1102022740>
- Rose, K., Eldrige, S., & Chapin, L. (2015). *The Internet of Things : An Overview*. (C. Marsan, Ed.). Geneva: Internet Society.
- Rouse, M., & Ladoulis, N. (2018). Real Time Clock. Retrieved July 16, 2018,

from <https://whatis.techtarget.com/definition/real-time-clock-RTC> %0A%0A

- Santos, R., & Santos, S. (2018). Guide to NEO-6M GPS Module with Arduino. Retrieved October 23, 2018, from <https://randomnerdtutorials.com/guide-to-neo-6m-gps-module-with-arduino/>
- Schwartz, M. (2016). *Internet of Things with ESP8266*. Birmingham: Packt Publishing Ltd.
- Setiawan, E. (2012). Kamus Besar Bahasa Indonesia (KBBI) Kamus versi online/daring (dalam jaringan). Retrieved May 3, 2018, from <https://kbbi.web.id/udara>
- SHARP Corporation. (2015). SHARP GP2Y1014AU0F Dust Sensor Specification. Sharp Corp.
- Shklar, L., & Rosen, R. (2003). *Web Application Architecture: Principles, Protocols and Practices. Software Engineering*. Chichester: John Wiley & Sons, Ltd.
- Silberschatz, A., Korth, H. F., & Sudarshan, S. (2011). *Database System Concepts - 6th. ed. Database (Sixth, Vol. 4)*. New York: McGraw-Hil. <https://doi.org/10.1145/253671.253760>
- Sinarduino. (2016). Mengenal Arduino Software (IDE). Retrieved April 18, 2018, from <http://www.sinarduino.com/artikel/mengenal-arduino-software-ide/>
- Techopedia Inc. (2018a). Modem. Retrieved April 16, 2018, from <https://www.techopedia.com/definition/24118/modem>
- Techopedia Inc. (2018b). RTC technopedia. Retrieved July 18, 2018, from <https://www.techopedia.com/definition/2273/real-time-clock-rtc>
- Techopedia Inc. (2018c). Wireless Modem. Retrieved April 17, 2018, from <https://www.techopedia.com/definition/3019/wireless-modem>
- The American Heritage Science Dictionary*. (2005). Boston: Houghton Mifflin Harcourt Publishing Company.
- Tim Penyusun Fakultas Teknik Universitas Negeri Jakarta. (2015). *Buku Panduan Penyusunan Skripsi dan Non Skripsi Fakultas Teknik Universitas Negeri Jakarta 2015*. (Muhammad Yusro, Ed.). Fakultas Teknik Universitas Negeri Jakarta. Retrieved from http://ft.unj.ac.id/wp-content/uploads/2016/04/Panduan-Skripsi-Non-Skripsi-Final_Cetak.pdf
- Tinsharp Industrial. (2009). LCM module TC2004A-01 (pp. 1–18). Tinsharp Industrial. Retrieved from www.tinsharp.com

- Tjahyadi, C. (2019). Memprogram EEPROM I2C dengan BASCOM-AVR. Retrieved July 8, 2019, from <http://christianto.tjahyadi.com/belajar-mikrokontroler/komunikasi-i2c.html>
- u-blox AG. (2011). *NEO-6 GPS u-blox Modules Data Sheet*. Thalwil: u-blox AG. Retrieved from [https://www.u-blox.com/sites/default/files/products/documents/NEO-6_DataSheet_\(GPS.G6-HW-09005\).pdf](https://www.u-blox.com/sites/default/files/products/documents/NEO-6_DataSheet_(GPS.G6-HW-09005).pdf)
- Web Developers Notes. (2013). What is web server? Retrieved April 25, 2018, from http://www.webdevelopersnotes.com/basics/what_is_web_server.php
- Wikipedia Foundation Inc. (2018). ThinkSpeak. Retrieved September 23, 2018, from <https://en.wikipedia.org/wiki/ThingSpeak>
- William Collins Sons & Co. Ltd. (2012). *Collins English Dictionary - Complete & Unabridged 2012 Digital Edition*. Glasgow: HarperCollins Publishers. Retrieved from <http://www.dictionary.com/browse/global-positioning-system>
- Yuwono, R., Listyarini, S., Wardhani, L., Sugandi, M. T., Sunandar, E., & Zarkoni. (2007). *Memprakirakan Dampak Lingkungan Kualitas Udara*. (I. Marifa & N. Sjach, Eds.). Jakarta: Deputi Bidang Tata Lingkungan - Kementerian Negara Lingkungan Hidup.
- Zhengzhou Winsen Electronics Technology Co. Ltd. (2015). *Carbon Monoxide Gas Sensor MQ-7*. Zhengzhou Winsen Electronics Technology Co., Ltd. Retrieved from <https://www.pololu.com/product/1482>