

DAFTAR PUSTAKA

- Aboadla, E. H., Khan, S., Kadir, K. A., Yusof, Z. M., Habaebi, M. H., Habib, S., Islam, M., Hasan, M. K., & Hossain, E. (2021). Suppressing voltage spikes of mosfet in h-bridge inverter circuit. *Electronics (Switzerland)*, *10*(4), 1–17. <https://doi.org/10.3390/electronics10040390>
- Amien, Z. I., Yantidewi, M., & Sucahyo, I. (2023). Alat Eksperimen Charge Discharge Kapasitor pada Rangkaian RC Seri dengan Sensor Ina219. *Jurnal Kolaboratif Sains*, *6*(7), 707–712. <https://doi.org/10.56338/jks.v6i7.3821>
- Aryaseta, B., Warnana, D. D., & Widodo, A. (2017). Aplikasi Metode Induced Polarization Untuk Mengidentifikasi Akifer di Daerah Sutorejo, Surabaya. *jurnal teknik ITS*, *6*(1), 84–86. <http://www.antarajatim.com>
- Basri, I. Y., & Irfan, D. (2018). *Komponen Elektronika*. Sukabina Press.
- Bell, C. (2020). Beginning Sensor Networks with XBee, Raspberry Pi, and Arduino: Sensing the World with Python and MicroPython. In *Beginning Sensor Networks with XBee, Raspberry Pi, and Arduino: Sensing the World with Python and MicroPython*. Apress Media LLC. <https://doi.org/10.1007/978-1-4842-5796-8>
- Cittanti, D., Iannuzzo, F., Hoene, E., & Klein, K. (2017). Role of parasitic capacitances in power MOSFET turn-on switching speed limits: A SiC case study. *2017 IEEE Energy Conversion Congress and Exposition, ECCE 2017, 2017-January*, 1387–1394. <https://doi.org/10.1109/ECCE.2017.8095952>
- Darojat, M. H. (2020). *Transformatorless SPWM Inverter dengan Arduino*. Universitas Islam Indonesia.
- Desiwantiyani, N. (2018). *Rancang Bangun Inverter SPWM*. Universitas Islam Indonesia.
- Edwards, C. H., & Penney, D. E. (2000). *Elementary Differential Equations with Boundary Value Problems 4th Edition*. Prentice-Hall.

- El-Halim, H. A., Soliman, E. S., & Refky, A. (2022). Performance of MOSFET Driven via a Bootstrap Capacitor for Dynamic Load Continuity Enhancement. *Journal of Engineering (United Kingdom)*, 2022. <https://doi.org/10.1155/2022/2273819>
- Fahlepy, M. R. (2020). *Teori Singkat Arus Transien (Elektronika Dasar)*. Think Physics. <https://www.thinkphysics.com/2020/06/teori-singkat-arus-transien-elektronika-dasar.html>
- Fuada, S., Yasmin, M., Yustina, M. C., Amalia, A., Pratiwi, D. A., Annisa, A., Kubro, N. Z., Sutia, D. D., Parulian, S., Darussalam, M. G. B., Febriliana, R., Tiyastanti, Y., Rukmantara, R. I. A., Fujiyanti, V., & Nazarudin, G. A. (2022). Analisis Rangkaian Pembagi Tegangan dan Perbandingan Hasil Simulasinya Menggunakan Simulator Offline. *Circuit: Jurnal Ilmiah Pendidikan Teknik Elektro*, 6(1), 28. <https://doi.org/10.22373/crc.v6i1.11200>
- Giyantara, A., & Tjiang, R. S. (2019). Desain Inverter Satu Fasa 12V DC ke 220V AC Menggunakan Rangkaian H-Bridge MOSFET. *SPECTA Journal of Technology*, 3(1). <https://doi.org/10.35718/specta.v3i1.112>
- Hardiansyah, G. (2007). *Perancangan dan Pembuatan Inverter Sumber Tegangan Enam Pulsa Tiga Fasa Variabel Frekuensi yang Dikendalikan dengan PC*. Universitas Andalas.
- Infineon. (2019). *IR2110(S)-IR2113(S) Datasheet-500V/600V High-Side and Low-Side Gate Driver IC with Shutdown*. www.infineon.com/gatedriver
- Junaidi, & Prabowo, Y. D. (2018). *Project Sistem Kendali Elektronik Berbasis Arduino*. CV. Anugrah Utama Raharja. www.aura-publishing.com
- Kansagara, R. (2019). *Single Phase Half Bridge and Full Bridge Inverter Circuit using MATLAB*. <https://circuitdigest.com/electronic-circuits/single-phase-half-bridge-and-full-bridge-inverter-circuit-using-matlab>
- Kessouri, P., Furman, A., Huisman, J. A., Martin, T., Mellage, A., Ntarlagiannis, D., Bücken, M., Ehosioko, S., Fernandez, P., Flores-Orozco, A., Kemna, A.,

- Nguyen, F., Pilawski, T., Saneiyani, S., Schmutz, M., Schwartz, N., Weigand, M., Wu, Y., Zhang, C., & Placencia-Gomez, E. (2019). Induced Polarization Applied to Biogeophysics: Recent Advances and Future Prospects. *Near Surface Geophysics*, 17(6), 595–621. <https://doi.org/10.1002/nsg.12072>
- Khan, H. (2023). *0 To 25V DC Voltage Sensor Module*. <https://www.datasheethub.com/0-to-25v-dc-voltage-sensor-module/>
- Lee, Y., & Kim, J. (2019). Analysis of Bootstrap Circuit Operation with an Inverted PWM Drive Scheme for a Three-Phase Inverter for a Brushless DC Motor Drive. *Canadian Journal of Electrical and Computer Engineering*, 42(1), 58–65. <https://doi.org/10.1109/CJECE.2019.2891850>
- Lubis, F. B., & Yanie, A. (2022). Implementasi Pulse Width Modulation (PWM) pada Penyaluran Limbah Cair Pupuk Kelapa Sawit Berbasis Arduino. *Journal of Electrical Technology*, 7(2), 39–46.
- Mahardiananta, I. M. A., Arimbawa, P. A. R., & Santiari, D. A. S. (2020). Perhitungan Drop Tegangan Sistem Distribusi Menggunakan Metode Aliran Daya. *Jurnal RESISTOR (Rekayasa Sistem Komputer)*, 3(1), 13–18. <https://doi.org/10.31598/jurnalresistor.v3i1.453>
- Martin, T., Titov, K., Tarasov, A., & Weller, A. (2021). Spectral Induced Polarization: Frequency Domain Versus Time Domain Laboratory Data. *Geophysical Journal International*, 225(3), 1982–2000. <https://doi.org/10.1093/gji/ggab071>
- Matalata, H., & Effendi, A. (2021). Unjuk Kerja Charge Controller metode PWM Menggunakan Arduino Uno. *Jurnal Teknologi*, 15(1), 1–8. <https://doi.org/10.34151/jurtek.v15i1.3957>
- Maulana, A. O. (2018). *Rancang Bangun Konverter SEPIC (Single Ended Primary Inductor Converter) dengan Kendali Picu Kalang Terbuka*. Universitas Islam Indonesia.
- Mulyono, D. P. (2017). *Modifikasi Rangkaian Mekanik Bootstrap Untuk*

Meningkatkan Kinerja Gate Driver MOSFET. Universitas Islam Indonesia.

Muntashir, A. A., Purwanto, E., & Nugraha, S. D. (2020). Pengembangan Sugeno Fuzzy Model Dalam Pengaturan Kecepatan Motor Induksi Tiga Fasa Menggunakan V/F Scalar Control. *PoliGrid*, 1(2), 65. <https://doi.org/10.46964/poligrid.v1i2.379>

Panggabean, S. Y., Setyawan, F. X. A., & Alam, S. (2017). 2026-Article Text-301-1-10-20170508. *Jurnal Rekayasa dan Teknologi Elektro*11, 11(2).

Parkash, V. (2023). Fourier Series Approximation of Square and Sawtooth Waves Using Python Script in Jupyter Notebook. *International Journal of Science and Research (IJSR)*, 12(3), 1834–1840. <https://doi.org/10.21275/sr23326170631>

Tegangan-Tegangan Standar, Pub. L. No. 72 (1987).

Purwanto, R. A., Hariyadi, H., & Putri, R. I. (2022). Kontrol Arus pada Inverter Satu Fasa Tipe Full Bridge menggunakan DSPF28069M dengan Metode Proporsional Integral. *Jurnal Elektronika dan Otomasi Industri*, 9(3), 183. <https://doi.org/10.33795/elk.v9i3.391>

Rao, I. K., Rukmini, M. S. S., Das, R. P., Rao, P. T., & Manikanta, G. (2016). Design of Frequency Domain Induced Polarization Equipment Having Optimized Frequency of Signal Transmission. *Indian Journal of Science and Technology*, 9(6). <https://doi.org/10.17485/ijst/2016/v9i6/85032>

Sasmoko, D. (2021). *Arduino dan Sensor pada Project Arduino DIY* (I. A. Dianta (ed.)). Yayasan Prima AgusTeknik.

Siagian, S. M., Jaya, G. W., & Nurhidayati, I. (2021). Analisis Jumlah Muatan Listrik Serta Energi Pada Kapasitor Berdasarkan Konstanta Dielektrik Suatu Material. *ORBITA: Jurnal Kajian, Inovasi dan Aplikasi Pendidikan Fisika*, 7(1), 176. <https://doi.org/10.31764/orbita.v7i1.4420>

Storr, W. (2014, April 1). *Transistor as a Switch - Using Transistor Switching.*

https://www.electronics-tutorials.ws/transistor/tran_4.html

- Suari, M. (2019). Analisis Nilai Resistansi pada Konfigurasi Keypad Satu Kabel serta pemanfaatannya dalam media pembelajaran. *Natural Science Journal*, 5(1), 754–765.
- Sugiarto, D. (2019). *Rancang Bangun Driver Motor BLDC 6 Kutub 3 Fasa Menggunakan MOSFET 75NF75*. Universitas Jember.
- Suhendra, T. (2023). Effect of Pulse Width Modulation on Proportional, Integral, and Derivative Coefficient Characteristics. *PROtek : Jurnal Ilmiah Teknik Elektro*, 10(2), 93. <https://doi.org/10.33387/protk.v10i2.5033>
- Sukmayuwana, R. A., Hardianto, T., & Hadi, W. (2020). Kontrol Tegangan Inverter Full Bridge Satu Fasa Berbasis Arduino Uno R3 Menggunakan Kontrol PID. *Jurnal Arus Elektro Indonesia (JAEI)*, 6(1). <https://doi.org/https://doi.org/10.19184/jaei.v6i1.19655>
- Swastika, W. (2021). *Mengolah Citra Digital Melalui Transformasi Fourier (Bagian 1)*. machung.ac.id. <https://machung.ac.id/artikel-prodi-if/mengolah-citra-digital-melalui-transformasi-fourier-bagian-1/>
- Telford, W. M., Geldart, L. P., & Sheriff, R. E. (1990). *Applied Geophysics Second Edition* (2nd ed.). Cambridge University Press.
- Umroh, Z. (2018). *Analisis Data Geolistrik Metode IP (Induced Polarization) untuk Mengetahui Sebaran Lumpur di Bawah Permukaan (Studi Kasus Desa Jari, Kecamatan Gondang, Kabupaten Bojonegoro)*. Universitas Islam Negeri Maulana Malik Ibrahim Malang.
- Wardana, M. K., Fadlika, I., & Fahmi, A. (2019). Rancang Bangun Inverter Satu Fasa SPWM dengan Output Tegangan dan Frekuensi Variabel. *Tekno*, 28(1), 1. <https://doi.org/10.17977/um034v28i1p1-16>
- Wati, E. K. (2018). *Teori Pengolahan Sinyal Digital*. LP-UNAS.

Wijayono, A., & Putra, V. G. V. (2020). Pengukuran Konstanta Dielektrik Udara Pada Perangkat Kapasitor Plat-Sejajar Berbasis Mikrokontroler Arduino Uno. *IPFRI (Jurnal Inovasi Pendidikan Fisika Dan Riset Ilmiah)*, 4(1), 13–26. <https://doi.org/https://doi.org/10.30599/jipfri.v4i1.651>

Yuniarto, A. H. P. (2020). Aplikasi Time Domain Induced Polarization dalam Eksplorasi Emas di Blok “Cpy” Gunung Pongkor Kabupaten Bogor. *Jurnal Geosaintek*, 6(3), 117. <https://doi.org/10.12962/j25023659.v6i3.6867>

