

DAFTAR PUSTAKA

- Afif, M. T., Ayu, I., & Pratiwi, P. (2015). ANALISIS PERBANDINGAN BATERAI LITHIUM-ION, LITHIUM-POLYMER, LEAD ACID DAN NICKEL-METAL HYDRIDE PADA PENGGUNAAN MOBIL LISTRIK-REVIEW. *Jurnal Rekayasa Mesin*, 6(2), 95–99. <https://doi.org/https://doi.org/10.21776/ub.jrm.2015.006.02.1>
- Alazhar, G., Winarno, T., & Komarudin, A. (2021). Kontrol Sudut Elevasi Robot Pelontar Softsaucer dengan Metode PID. *Jurnal Elektronika Dan Otomasi Industri*, 04(1), 9–14. <https://doi.org/10.33795/elkolind.v4i1.102>
- Aldy, S. R., Kurniwan, E., & Bani, A. K. (2017). PERANCANGAN DAN IMPLEMENTASI PENGISIAN BATERAI LEAD ACID MENGGUNAKAN SOLAR CELL DENGAN MENGGUNAKAN METODE THREE STEPS CHARGING (Vol. 4, Issue 1). <https://openlibrarypublications.telkomuniversity.ac.id/index.php/engineering/article/download/3269/3096>
- Ariawan, K. U., Santyadiputra, G. S., & Sutaya, I. W. (2019). Design of Hexapod Robot Movement Based on Arduino Mega 2560. *Journal of Physics: Conference Series*, 1165(1). <https://doi.org/10.1088/1742-6596/1165/1/012011>
- Brontoseno. (2019). *Motor DC PG45*. MRI. <https://www.brontoseno.com/product/pg45-500rpm-25kgfcm-60w-7ppr-encoder/>
- Dariusz Pazderski, & Krzysztof Kozłowski. (2015). Motion control of a skid-steering robot using transverse function approach - experimental evaluation. *International Workshop on Robot Motion and Control (RoMoCo)*, 72–77. <https://doi.org/10.1109/RoMoCo.2015.7219716>
- Devana, M., Dewi, T., Husni, N. L., Risma, P., & Oktarina, Y. (2021). Desain Robot Pengintai Segala Medan dengan Kendali Wireless PS2. *Journal of Applied Smart Electrical Network and Systems*, 2(2), 64–70. <https://doi.org/10.52158/jasens.v2i2.210>
- Dickson Kho. (2016). *Rumus dan Rangkaian Pembagi Tegangan (Voltage Divider)*. Teknik Elektronika. <https://teknikelektronika.com/rumus-rangkaian-pembagi-tegangan-voltage-divider-resistor/>
- Didik, D. W., Zainal, A., & Hendriawan, A. (2015). Sistem Navigasi Mobile Robot Omni Directional Menggunakan Multi Sensor Optical Mouse Untuk Meningkatkan Akurasi. *Jurnal Elektro PENS Teknik Elektronika*, 2(2), 1–9. www.jurnalpa.eepis-its.edu
- Fahmizal, Uddin Rijalussalam, D., Budiyanto, un, & Mayub, A. (2019). Trajectory Tracking pada Robot Omni dengan Metode Odometry. *JNTETI*, 8(1), 35–44. <https://doi.org/10.22146/jnteti.v8i1.488>
- Fuada, S., Yasmin, M., Yustina, M. C., Amalia, A., Pratiwi, D. A., Annisa, A., Kubro, N. Z., Sutia, D., Parulian, S., Gani, M., Darussalam, B., Febriliana, R., Tiyastanti, Y., Ilham, R., Rukmantara, 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), 28–46. <https://doi.org/10.22373/crc.v6i1.11200>
- Galgamuwa, Liyanage, Ekanayake, & Samaranyake. (2015). Simplified Controller for Three Wheeled Omni Directional Mobile Robot. In G. Galgamuwa (Ed.), *2015 IEEE 10th International Conference on Industrial and Information Systems* (pp. 18–20). IEEE. <https://doi.org/10.1109/ICIINFS.2015.7399030>
- Innovative Electronics. (2013). *EMS 30 A H-Bridge*. Innovative Electronics. http://www.innovativeelectronics.com/index.php?pg=ie_pdet&idp=175
- Jimbo. (2013). *Voltage Dividers*. Learn.Sparkfun.Com. <https://learn.sparkfun.com/tutorials/voltage-dividers>
- JOGJA ROBOTIKA. (n.d.-a). *Micro SD Card Module for Arduino*. JOGJA ROBOTIKA. Retrieved 22 August 2023, from <http://www.jogjarobotika.com/storage-modul-sd-card-/423-sd-card-module.html>
- JOGJA ROBOTIKA. (n.d.-b). *PS2 PS3 Wireless Controller to Serial Adapter Board parameter*. JOGJA ROBOTIKA. Retrieved 19 August 2023, from <http://www.jogjarobotika.com/keypad-joystick/2181-ps2-ps3-wireless-controller-to-serial-adapter-board.html>
- JOGJA ROBOTIKA. (2021). *Omni Wheel*. JOGJA ROBOTIKA. <http://www.jogjarobotika.com/roda/1732-127mm-double-aluminium-omni-wheel.html>
- Jonas, D., Supriyono, I. A., & Junianto, H. (2022). Perancangan Sistem Pencegahan Pencurian Kendaraan Bermotor Berbasis ESP32 pada PT. Suwarna Dwipa Maju. *Technomedia Journal*, 7(2), 216–230. <https://doi.org/10.33050/tmj.v7i2.1748>
- Liu, Y., Sun, D., & Zhang, R. (2021). Trajectory tracking control for two-wheeled self-balancing robots considering driving motor voltage compensation. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, 51(1), 539-551. <https://doi.org/10.1109/TSMC.2020.3015660>
- Ma, S., Ren, C., & Ye, C. (2012). An Omnidirectional Mobile Robot: Concept and Analysis. *Proceedings of the 2012 IEEE International Conference on Robotics and Biomimetics*, 920–925. <https://doi.org/10.1109/ROBIO.2012.6491086>
- Marek Babiuch, Petr Foltýnek, & Pavel Smutný. (2019, July 18). Using the ESP32 Microcontroller for Data Processing. *International Carpathian Control Conference (ICCC)*. <https://doi.org/10.1109/CarpathianCC.2019.8765944>
- Meta Saputri, & Suganda. (2019). *DESAIN SISTEM KONTROL WHEELED HOLONOMIC ROBOT UNTUK ROBOT SEPAKBOLA*. <http://repository.polman-babel.ac.id/id/eprint/174>
- Muhsinun. (2021, July 8). *Arduino Mega 2560 Pengertian dan Penjelasan - Prevent*. Prevent. <https://www.prevent.my.id/2021/06/arduino-mega-2560-specs.html>

- Mukhtar, A., Hermana, R., Burhanudin, A., & Setyoadi, Y. (2023). *SENSOR DAN AKTUATOR: KONSEP DASAR DAN APLIKASI* (A. Masrurroh, Ed.). Widina Media Utama.
<https://repository.penerbitwidina.com/media/publications/564570-sensor-dan-aktuator-konsep-dasar-dan-apl-6c0b7e9e.pdf>
- Nawali, E. D., Sompie, S. R. U. A., & Novi M. Tulung, N. M. (2015). Rancang Bangun Alat Penguras Dan Pengisi Tempat Minum Ternak Ayam Berbasis Mikrokontroler Atmega 16. *Journal Teknik Elektro Dan Komputer*, 4(7), 25–34.
<https://doi.org/10.35793/jtek.4.7.2015.10591>
- Nugraha, S., Putra, T. A., & Suhendra Tonny. (2019). Sistem Kendali Navigasi Robot Manual. *Jurnal Teknik Elektro Dan Vokasional (JTEV)*, 5(1), 91–95. <https://doi.org/10.24036/jtev.v5i1.1.106153>
- Pramanda, D. (2020). Sistem Kendali Kecepatan Motor DC Berbasis Arduino dengan Metode Open Loop. *JTEV (JURNAL TEKNIK ELEKTRO DAN VOKASIONAL)*, 06(01), 187–198.
<http://ejournal.unp.ac.id/index.php/jtev/index>
- Pramono, D. W. U. P., Himawan, A. B., Prasetio, A. D., Sutanto, T., & Mulyati, B. (2021). Fault detection on omnidirectional wheels using fast fourier transform and vibration analysis for mobile robot applications. *Applied Sciences*, 11(18), 10250. <https://doi.org/10.3390/app111810250>
- Ramadhan, R., Siradjuddin, I., & Dewatama, D. (2022). Sistem Navigasi Wall Following Robot Omnidirectional Dengan 4 Penggerak Mekanum Menggunakan PID Berbasis myRIO. *Jurnal Elkolind*, 9(2), 76–82.
<https://doi.org/10.33795/elkolind.v9i2/263>
- Ridarmin, Fauzansyah, Elisawati, & Prasetyo, E. (2019). PROTOTYPE ROBOT LINE FOLLOWER ARDUINO UNO MENGGUNAKAN 4 SENSOR TCRT5000. *Jurnal Informatika, Manajemen Dan Komputer*, 11(2), 17–23. <https://doi.org/http://dx.doi.org/10.36723/juri.v11i2.183>
- Romadoni, D., Astutik, R. P., & Surya, Y. A. (2021). DESIGN OF MONITORING SYSTEM AND NOTIFICATION HOURMETER USING WEB ON CONTAINER CRANE (CC). *Indonesian Journal of Electrical and Electronics Engineering (INAJEEE)*, 4(1), 1–7.
- Saleh, K. (2019). RANCANGAN PERANGKAT LUNAK PENGENDALI ROBOT PEMANTAU BERBASIS PONSEL PINTAR ANDROID. *Saintek ITM*, 32(2), 11–15. <https://doi.org/10.37369/si.v32i2.56>
- Satya, T., Puspasari, F., Prisyanti, H., & Saragih, E. (2020). PERANCANGAN DAN ANALISIS SISTEM ALAT UKUR ARUS LISTRIK MENGGUNAKAN SENSOR ACS712 BERBASIS ARDUINO UNO DENGAN STANDARD CLAMPMETER. *Jurnal SIMETRIS*, 11(1), 39–44.
<https://jurnal.umk.ac.id/index.php/simet/article/download/3548/2059>
- Siradjuddin, I., Luqman Muttaqin Faizin, M., Al Azhar, G., & Murdani, A. (2020). DESAIN DAN PEMODELAN KONTROL KINEMATIK PERGERAKAN ROBOT BERODA DENGAN MENGGUNAKAN 6

- RODA OMNI-WHEELS. *JURNAL ELTEK*, 18(1), 116–127.
<https://doi.org/10.33795/eltek.v18i1.226>
- Surya Budi, A., Tong Widada, B., & Haryanto, S. (2018). ANALISA UNJUK KERJA SISTEM KELISTRIKAN PADA ROBOT TEMPUR KOTA. *TRANSMISI*, 14(2), 335–344.
<https://www.jurnal.unmer.ac.id/index.php/jtmt/article/download/4683/pdf>
- Sutisna, U., & Zaenurrohman. (2014). Perancangan Sistem Kontrol Wireless pada Mobile Robot Manipulator Berbasis Mikrokontroler ATmega8. *JNTETI*, 3(1), 69–75. <https://doi.org/10.22146/jnteti.v3i1.47>
- Syam, R., Irham, & Erlangga, W. (2012). RANCANG BANGUN OMNI WHEELS ROBOT DENGAN RODA PENGGERAK INDEPENDENT. *Jurnal Mekanikal*, 3(1), 213–220.
<http://jurnal.untad.ac.id/jurnal/index.php/Mekanikal/article/download/316/264>
- Utomo, J. (2016). *Rancang Bangun Pengendali Dan Monitoring Motor Dc Menggunakan Komputer Berbasis Mikrokontroler* [Skripsi, Universitas Lampung].
<http://digilib.unila.ac.id/24227/3/SKRIPSI%20TANPA%20BAB%20PEMBAHASAN.pdf>
- Wirawan, A. P., Nugroho, H., & Mulawarman, U. (2023). Perancangan Node Sensor Nirkabel Bluetooth Low Energy Bertenaga Baterai menggunakan ESP32 untuk Aplikasi Pertanian Cerdas. *12 TELEKONTRAN*, 11(1), 12–22.
<https://doi.org/10.34010/telekontran.v11i1.9607>
- Yaseen Ismael, O., & Hedley, J. (2015). Analysis, Design, and Implementation of an Omnidirectional Mobile Robot Platform. *American Scientific Research Journal for Engineering*, 22(1), 195–209.
<http://asrjetsjournal.org/>
- Yiqing Luan, Haipeng Wang, Xinrui Li, Wei Xu, Rui Huang, & Juntao Lv. (2019). Design of Motion Control System for Omnidirectional Four-Drive Mobile Robot. *2019 IEEE 8th Joint International Information Technology and Artificial Intelligence Conference (ITAIC 2019)*, 1409–1413. <https://doi.org/10.1109/ITAIC.2019.8785450>
- Yu, W., Chuy, O. Y., Collins, E. G., & Hollis, P. (2010). Analysis and experimental verification for dynamic modeling of a skid-steered wheeled vehicle. *IEEE Transactions on Robotics*, 26(2), 340–353.
<https://doi.org/10.1109/TRO.2010.2042540>
- Yunardi, R. T., Arifianto, D., Bachtiar, F., & Prananingrum, J. I. (2021). Holonomic implementation of three wheels omnidirectional mobile robot using DC motors. *Journal of Robotics and Control (JRC)*, 2(2), 65–71. <https://doi.org/10.18196/jrc.2254>
- Zerfani Yulias. (2011, October 31). *Wireless PlayStation 2 Controller dengan Arduino Uno*. Famosa Studio Blog.
<https://blog.famosastudio.com/2011/10/tutorial/wireless-playstation-2-controller-dengan-arduino-uno/396/>