

DAFTAR PUSTAKA

- Ali, M. (2004). Pembelajaran Perancangan Sistem Kontrol Pid Dengan Software Matlab. *Jurnal Edukasi Elektro*, 1(1), 2.
- Ben-Ari, M., & Mondada, F. (2018). *Elements of robotics*. Springer International Publishing.
- Borenstein, J., & Feng, L. (1996). *Measurement and Correction of Systematic Odometry Errors in Mobile Robots by*. 12(6), 869–880.
- Chong, K. S., & Kleeman, L. (1997). Accurate odometry and error modelling for a mobile robot. *Proceedings - IEEE International Conference on Robotics and Automation*, 4, 2783–2788. <https://doi.org/10.1109/robot.1997.606708>
- Cooley, C. G., & Parker, R. G. (2015). *A Review of Planetary and Epicyclic Gear Dynamics and Vibrations Research*. April. <https://doi.org/10.1115/1.4027812>
- De Silva, C. W. (2007). *Sensors and actuators: control system instrumentation*. CRC Press.
- Elbani, A. (2010). Simulasi Unjuk Kerja Sistem Kendali PID Pada Proses Evaporasi Dengan Sirkulasi Paksa. *ELKHA*, 2(3).
- Fahmizal, Rijallussalam Uddin, D., Budiyanto, M., & Mayub, A. (2019). Trajectory Tracking pada Robot Omni dengan Metode Odometry. *JNTETI*, 8(1).
- Febriawan, A. (2019). *KENDALI UNTUK ROTATING POSITIONING KONTES ROBOT ABU INDONESIA 2018 DENGAN IMU BNO055*. 055, 1–5.
- Harsányi, G. (2000). Sensor Technologies. *Sensors in Biomedical Applications*, 11–34. <https://doi.org/10.1201/9781420012910.ch2>
- Husain, A. R., Ng, K. H., Yeong, C. F., & Su, E. L. M. (2012). Implementation of cascade control for wheeled mobile robot straight path navigation. *ICIAS 2012 - 2012 4th International Conference on Intelligent and Advanced Systems: A Conference of World Engineering, Science and Technology Congress (ESTCON) - Conference Proceedings*, 2, 503–506. <https://doi.org/10.1109/ICIAS.2012.6306067>
- Jamil, M. (2018). Rancang Bangun Multipurpose Drivetrain Untuk Meningkatkan

- Utilitas atau Kemanfaatan Kendaraan Multi Guna Pedesaan. *Jurnal Teknik Mesin FTI - ITS*.
- Kamaludin, M., & Aji, W. S. (2019). Manuver Robot Manual Menggunakan PID pada Robot Manual KRAI 2018. *Buletin Ilmiah Sarjana Teknik Elektro*, 1(3), 91. <https://doi.org/10.12928/biste.v1i3.978>
- Kharisma, O. B., Wildan, A., & Laumal, F. E. (2018). Implementasi Sensor MPU 6050 untuk Mengukur Keseimbangan Self Balancing Robot Menggunakan Kontrol PID. *Seminar Nasional Teknologi Informasi, Komunikasi Dan Industri (SNTIKI-10)*, November, 357–364.
- Kurniawan, A. H., & Rivai, M. (2018). Sistem Stabilisasi Nampan Menggunakan IMU Sensor Dan Arduino Nano. *Jurnal Teknik ITS*, 7(2). <https://doi.org/10.12962/j23373539.v7i2.31043>
- Ma'arif, A., Budi, W., & Ratna Ana, D. (2009). *PERANCANGAN LINE MAZE SOLVING ROBOT DENGAN ALGORITMA SHORT PATH FINDER*. 1–7.
- Ma'Arif, A., Nabila, H., Iswanto, & Wahyunggoro, O. (2019). Application of Intelligent Search Algorithms in Proportional-Integral-Derivative Control of Direct-Current Motor System. *Journal of Physics: Conference Series*, 1373(1). <https://doi.org/10.1088/1742-6596/1373/1/012039>
- MASHUDA. (2014). *KAJIAN OPTIMASI UNJUK KERJA MOTOR DC SEPEDA MOTOR LISTRIK ROJO GENI DENGAN METODE REWIRING DAN RECOILING PADA KONDISI STASIONER*. Institut Teknologi Sepuluh Nopember.
- Mursalin. (2014). Analisis Penguasaan Konsep Mahasiswa pada Topik Kinematika Partikel. *Jurnal Inpafi*, 2(2), 199–209.
- Ng, K., Fai, Y., Su, E., & Husain, A. R. (2012). *Implementation of cascade control for wheeled mobile robot straight path navigation*. <https://doi.org/10.1109/ICIAS.2012.6306067>
- Novak, G., & Seyr, M. (2004). Simple path planning algorithm for two-wheeled differentially driven (2wdd) soccer robots. *Wises*, 4, 91–102.
- Ode, L., Idris, M., Arttini, S., & Prasetyowati, D. (2019). Forward and Inverse Kinematic on Wheeled Soccer Robot. *Journal of Telematics and Informatics*,

- 1–11. www.robocup.org
- OGATA, K. (1995). *Teknik Kontrol Automatik(Sistem Pengaturan)*. 384.
- Oliveira, H. P., Sousa, A. J., Moreira, A. P., & Costa, P. J. (2008). Dynamical models for omni-directional robots with 3 and 4 wheels. *ICINCO 2008 - Proceedings of the 5th International Conference on Informatics in Control, Automation and Robotics, 1 RA*, 189–196.
<https://doi.org/10.5220/0001489201890196>
- Onsemi, O. (2018). 3.0 A, Step-Down Switching Regulator. *Europe, Middle East and Africa Technical*.
- Pambudi, W. S. (2011). Rancang Bangun 3 Wheels Omni-Directional Mobile Robot Menggunakan Sensor Position Sensitive Device (Psd) Serta Sensor Vision Dengan Metode Kendali Fuzzy Logic Controller (Flc) Untuk Menghindari Halangan. *Semantik, 2011*(Vol 1, No 1 (2011): Prosiding Semantik 2011).
<http://publikasi.dinus.ac.id/index.php/semantik/article/view/43>
- Pitowarno, E. (2006). Robotika desain, kontrol, dan kecerdasan buatan. *Yogyakarta: Andi*.
- Pratomo, A. H., Prasetyo, D. B., Widodo, N. S., Army, I. A., Studi, P., Elektro, T., Industri, F. T., Ahmad, U., & Yogyakarta, D. (2015). *Pengendalian Pid Pada Robot Miroso Upn “ Veteran ” Yogyakarta Berbasis Sensor Gyroscope Dan. 12*(02), 107–122.
- Radita, A. (2017). Penalaan Kendali PID untuk Pengendali Proses. *Jurnal Teknologi Elektro, Universitas Mercu Buana, 8*(2), 109–116.
- Rifajar, I., & Fadlil, A. (2021). The Path Direction Control System for Lanange Jagad Dance Robot Using the MPU6050 Gyroscope Sensor. *International Journal of Robotics and Control Systems, 1*(1), 27–40.
<https://doi.org/10.31763/ijrcs.v1i1.225>
- Rotondo, D., Puig, V., Nejjari, F., & Romera, J. (2015). A fault-hiding approach for the switching quasi-LPV fault-tolerant control of a four-wheeled omnidirectional mobile robot. *IEEE Transactions on Industrial Electronics, 62*(6), 3932–3944. <https://doi.org/10.1109/TIE.2014.2367002>

- Septiadi, A. R., & Amri, S. (2019). *Rancang Bangun dan Analisa Robot Tematik Simulasi Pertanian dengan Kendali Wireless*. 4(1).
- STMicroelectronics. (2015). *STM32F103x8 STM32F103xB: Medium-density performance line ARM®-based 32-bit MCU with 64 or 128 KB Flash, USB, CAN, 7 timers, 2 ADCs, 9 com. interfaces [datasheet]*. August, 1–117.
- Sunarto, E. C., & Yulianti, B. (2019). Rancang Bangun Prototipe Alat Angkut Helikopter Berbasis Arduino. *TESLA: Jurnal Teknik Elektro*, 20(2), 157. <https://doi.org/10.24912/tesla.v20i2.2992>
- Taufik, A. S. (2018). *Sistem Navigasi Waypoint pada Autonomous Mobile Robot*. 1–6.
- Vieira, F. C., Alsina, P. J., & Medeiros, A. A. D. de. (2011). *Micro-Robot Soccer Team - Mechanical and Hardware Implementation*. 1.
- Wanty, A. (n.d.). *Aksi Dasar Pengendalian* (pp. 110–135).