

DAFTAR PUSTAKA

- Arvin, F., Samsudin, K., Nasser, M.A., 2009, *Design of a Differential-Drive Wheeled Robot Controller with Pulse-Width Modulation*, Conference on Innovative Technologies in Intelligent Systems and Industrial Applications (CITISIA), Malaysia.
- Barr, M., 2001, *Introduction to Pulse Width Modulation*, <http://www.embedded.com/electronics-blogs/beginner-s-corner/4023833/Introduction-to-Pulse-Width-Modulation>, diakses Tanggal 14 Desember 2016.
- Bimarta, R., 2014, *Balancing Robot Menggunakan Metode Kendali Proporsional Integral Derivatif*, Skripsi, Fakultas Teknik, Universitas Gadjah Mada, Yogyakarta.
- Braunl, T., 2006, *Embedded Robotics: Mobile Robot Design and Applications with Embedded Systems. 2nd Edition*, Berlin: Springer-Verlag Berlin Heidelberg.
- Gunthner, W., 2008, *Enhancing Cognitive Assistance Systems with Inertial Measurement Units*, Berlin: Springer-Verlag Berlin Heidelberg.
- Kausar, Z., 2014, *Stability Augmentation of Two-Wheeled Robots on Pedestrian Terrain*, University of Auckland, New Zealand.
- Krakow, K.I., 2005, *System-specific PI Control Theory for Fluid and Motion Systems*, Universal Publishers, United States.
- Lorentz, Hendrik Antoon, 1895, *Versuch einer Theorie der electrischen und optischen Erscheinungen in bewegten Körpern*, Leiden: E.J. Brill.
- Miller, P., 2008, *Building a Two Wheeled Balancing Robot*, Project for Bachelor Degree, Electrical and Electronic Engineering, Faculty of Engineering and Surveying of University of Southern Queensland, Queensland.
- Miranda, J.L.C., 2009, *Application of Kalman Filtering and PID Control for Direct Inverted Pendulum Control*, Project for Master Degree, Electrical and Computer Engineering, Faculty of California State University, Chico.

- Nurchahyo, A.R., 2016, *Self Balancing Robot* dengan Metode PID, Proyek Akhir, Departemen Teknik Elektro dan Informatika, Sekolah Vokasi, Universitas Gadjah Mada, Yogyakarta.
- Ooi, R.C., 2003, *Balancing a Two-Wheeled Autonomous Robot*, Thesis, School of Mechanical Engineering, The University of Western Australia, Nedlands.
- Palmer, R., Darling, T., 2005, *Power Supply Decoupling and Audio Signal Filtering for the Class-D Audio Power Amplifier*, Texas: Texas Instrumens Incorporated.
- Pinem, A., 2008, Pengaturan Kecepatan Motor DC Penguatan Shunt dengan Integral Siklus Kontrol, Skripsi, Pendidikan Sarjana Ekstension, Departemen Teknik Elektro, Universitas Sumatra Utara, Medan.
- Stang, J., 2005, *The Inverted Pendulum*, Tesis, Teknik, Cornell University, Cornell.
- Tantos, A., 2011, *H Bridges – The Basic*, http://www.modularcircuits.com/blog/articles/h-bridge-secrets/h-bridge_drivers/, diakses tanggal 25 Desember 2016.