

DAFTAR PUSTAKA

- [1] Naftalin Winanti, Burhanuddin Halimi, Agus Purwadi dan Nana Heryana. "Study and Design of Energy-Saving Solar Lamp for Rural Area in Indonesia". *Proceedings - 2018 2nd International Conference on Green Energy and Applications, ICGEA 2018*, hal. 98–102, Nanyang, 24-26 Maret 2018.
- [2] Mhamdi Taoufik, Barhoumi Abdelhamid dan Sbita Lassad. "Stand-alone self-excited induction generator driven by a wind turbine". *Alexandria Engineering Journal*, 57:781–786, 2018. Diakses dari <https://doi.org/10.1016/j.aej.2017.01.009>.
- [3] R Raja Singh, B Anil Kumar, D Shruthi, Ramraj Panda dan C Thanga Raj. "Review and experimental illustrations of electronic load controller used in standalone Micro-Hydro generating plants". *Engineering Science and Technology, an International Journal*, 21:886–900, 2018. Diakses dari <https://doi.org/10.1016/j.jestch.2018.07.006>.
- [4] Carlos Vargas-Salgado, Jesus Aguila-Leon, Cristian Chiñas-Palacios dan Elías Hurtado-Perez. "Low-cost web-based Supervisory Control and Data Acquisition system for a microgrid testbed: A case study in design and implementation for academic and research applications". *Heliyon*, 5:1-11, 2019.
- [5] Alois Zoitl, Thomas Strasser dan Gerhard Ebenhofer. "Developing Modular Reusable IEC 61499 Control Applications with 4DIAC". 2013 11th IEEE *International Conference on Industrial Informatics (INDIN)*, hal. 358-363, Bochum, 29 - 31 Juli 2013.
- [6] Helen Lynn. *Open source energy monitoring using Raspberry Pi*. Raspberry Pi Blog, OpenEnergyMonitor. Diakses dari <https://www.raspberrypi.org/blog/open-source-energy-monitoring-raspberry-pi/>, 12 Februari 2020.
- [7] Eclipse 4DIAC. *Where to Start*. Dokumentasi, Eclipse Foundation. Diakses dari https://www.eclipse.org/4diac/en_help.php?helppage=html/startHere/startHere.html, 17 Mei 2020.
- [8] Dilip Raja. *Raspberry Pi PWM Tutorial*. Diakses dari <https://circuitdigest.com/microcontroller-projects/raspberry-pi-pwm-tutorial>, 23 Juni 2020.
- [9] B. Singh, S. S. Murthy dan S. Gupta. "Transient analysis of self-excited induction generator with electronic load controller (ELC) supplying

- static and dynamic loads”. *IEEE Transactions On Industry Applications*, 41:1194-1204, 2005.
- [10] S.S. Murthy, Bhim Singh dan Rini Jose. “a Practical Load Controller for Stand Alone Small Hydro Systems Using Self Excited Induction Generator”. *1998 International Conference on Power Electronic Drives and Energy Systems for Industrial Growth, 1998. Proceedings*, hal. 359–364, Perth, 1-3 Desember 1998.
- [11] Bhim Singh dan Gaurav Kumar Kasal. “Decoupled voltage and frequency controller for an isolated pico hydro system feeding dynamic loads”. *7th International Conference on Power Electronics, ICPE’07*, hal. 1139–1144, Daegu, 22-26 Oktober 2007.
- [12] Juan M. Ramirez dan M. Emmanuel Torres. “An electronic load controller for self-excited induction generators”. *2007 IEEE Power Engineering Society General Meeting*, hal. 1–8, Tampa, 24-28 Juni 2007.
- [13] Edvard Csanyi. *The Structure of Electric Power Systems (Generation, Distribution and Transmission Of Energy)*. Technical Articles, Electrical Engineering Portal. Diakses dari [https:// electrical-engineering-portal.com/electric-power-systems](https://electrical-engineering-portal.com/electric-power-systems), 23 Februari 2020.
- [14] Electrical4U. *Three Phase Circuit / Star and Delta System*. Diakses dari <https://www.electrical4u.com/three-phase-circuit-star-and-delta-system/>, 23 Februari 2020.
- [15] *Peraturan Menteri Energi dan Sumber Daya mineral Nomor 04 tahun 2009*. Dokumen teknis, Departemen Energi dan Sumber Daya Mineral, Jakarta, 2009.
- [16] Beatriz Roldan Cuenya. *Chapter 29 : Electromagnetic Induction*. Presentasi kuliah. Department of Physics University of Central Florida. Diakses dari https://physics.ucf.edu/~roldan/classes/Chap29_PHY2049.pdf, 3 April 2020.
- [17] Paul Avery. *Chapters 34,36: Electromagnetic Induction*. Presentasi kuliah, University of Florida Physics Department. Diakses dari http://www.phys.ufl.edu/~acosta/phy2061/lectures/2061_ch3436.pdf, 3 April 2020.
- [18] Circuit globe. *Induction Generator*. Diakses dari <https://circuitglobe.com/induction-generator.html>, 25 Februari 2020.

- [19] Circuit globe. *Slip Speed in an Induction Motor*. Diakses dari <https://circuitglobe.com/slip-speed-in-induction-motor.html>, 25 Februari 2020.
- [20] Circuit globe. *Isolated Induction Generator*. Diakses dari <https://circuitglobe.com/isolated-induction-generator.html>, 25 Februari 2020.
- [21] Electrical4U. *Compound Wound DC Motor or DC Compound Motor*. Diakses dari <https://www.electrical4u.com/compound-wound-dc-motor-or-dc-compound-motor/>, 25 Februari 2020.
- [22] Wayne Storr. *Three Phase Rectification*. AspenCore, Inc. Diakses dari <https://www.electronics-tutorials.ws/power/three-phase-rectification.html>, 25 Februari 2020.
- [23] Vimal Singh Bisht, Y.R Sood, Nikhil Kushwaha dan Suryakant. "Review On Electronic Load Controller". *International Journal of Scientific Engineering and Technology*, 1:93–102, 2012.
- [24] Fahmy El-khouly. *DC Chopper*. Presentasi kuliah, Faculty of Engineering Delta University. Diakses dari <http://deltauniv.edu.eg/new/engineering/wp-content/uploads/DC-chopper.pdf>, 12 Desember 2019.
- [25] Wayne Storr. *Insulated Gate Bipolar Transistor*. AspenCore, Inc. Diakses dari <https://www.electronics-tutorials.ws/power/insulated-gate-bipolar-transistor.html>, 25 Februari 2020.
- [26] Markus Appel dan Achim M. Kruck. *Guidelines for Reading an Optocoupler Datasheet*. Dokumen teknis, Vishay Semiconductor / EDN Network, 2015. Diakses dari <https://www.vishay.com/docs/48034/edn0715.pdf>, 4 April 2020.
- [27] Wayne Storr. *Passive Low Pass Filter*. AspenCore, Inc. Diakses dari https://www.electronics-tutorials.ws/filter/filter_2.html, 4 April 2020.
- [28] Wayne Storr. *Passive High Pass Filter*. AspenCore, Inc. Diakses dari https://www.electronics-tutorials.ws/filter/filter_3.html, 4 April 2020.
- [29] Wayne Storr. *Passive Band Pass Filter*. AspenCore, Inc. Diakses dari https://www.electronics-tutorials.ws/filter/filter_4.html, 4 April 2020.
- [30] Dapeng Zhu. *Introduction of ADC*. Presentasi kuliah, Georgia Institute of Technology. Diakses dari http://ume.gatech.edu/mechatronics_course/ADC_F08.pdf, 4 April 2020.

- [31] Erik Cheever. *Serial Communications (Chapter 10)*. Presentasi kuliah, Department of Engineering Swarthmore College. Diakses dari [https://www.swarthmore.edu/NatSci/echeeve1/Class/e91/Lectures/E91\(10\)Serial.pdf](https://www.swarthmore.edu/NatSci/echeeve1/Class/e91/Lectures/E91(10)Serial.pdf), 4 April 2020.
- [32] Gareth Halfacree. *The Official Raspberry Pi Beginner's Guide*. Raspberry Pi Press, Station Road, Cambridge, 2018. Diakses dari https://www.raspberrypi.org/magpi-issues/Beginners_Guide_v1.pdf.
- [33] *Arduino Uno*. Dokumen teknis, Premier Farnell Limited, Forge Lane, 2013. Diakses dari <https://www.farnell.com/datasheets/1682209.pdf>, 3 April 2020.
- [34] Paul Avery. *Introduction to PID control*. Endeavor Business Media, LLC. Diakses dari <https://www.machinedesign.com/automation-iiot/sensors/article/21831887/introduction-to-pid-control>, 25 Februari 2020.
- [35] Hodge Jenkins. *Tuning for PID Controllers*. Presentasi kuliah, School of Engineering Mercer University. Diakses dari http://faculty.mercer.edu/jenkins_he/documents/TuningforPIDControllers.pdf, 11 Desember 2019.
- [36] Anonim. *Time Response of First Order Systems*. Diktat kuliah, Illinois College of Engineering. Diakses dari <https://courses.engr.illinois.edu/ece486/fa2017/documents/set6.pdf>, 4 April 2020.
- [37] Anonim. *PID control*. Maplesoft https://www.maplesoft.com/content/EngineeringFundamentals/12/MapleDocument_12/PID%20Control.pdf, 4 April 2020.
- [38] Steven Joel Miller. *The Method of Least Squares*. Diktat, Mathematics Department, Brown University, Providence, 2006.
- [39] Gurley. *Numerical Methods Lecture 5 - Curve Fitting Techniques*. Diktat kuliah, Indian Institute of Technology Delhi. Diakses dari <http://web.iitd.ac.in/~pmvs/courses/mel705/curvefitting.pdf>, 6 April 2020.
- [40] Stephanie. *About Normalized Data*. Diakses dari <https://www.statisticshowto.datasciencecentral.com/normalized/>, 29 Maret 2020.
- [41] Wayne Storr. *Full Wave Rectifier*. AspenCore, Inc. Diakses dari https://www.electronics-tutorials.ws/diode/diode_6.html?nab=1&utm_referrer=https%3A%2F%2Fwww.electronics-tutorials.ws%2F%3Fs%3Dsmoothing, diakses 4 April 2020.

- [42] *MCP3004/3008*. Dokumen teknis, DS21295D:40, Microchip Technology Inc., 2008. Diakses dari <https://cdn-shop.adafruit.com/datasheets/MCP3008.pdf>.

- [43] Dale E. Seborg dan Thomas F. Edgar. *Process Dynamics and Control*. John Wiley and Sons, New York, 2003.

- [44] *PC817X Series*. Dokumen teknis, D2-A03101EN, Sharp Corporation, 2003.

- [45] *RJP63K2DPP-M0 Preliminary Datasheet*. Dokumen teknis, R07DS0468EJ0200, Renesas Electronics Corporation, 2011.