

DAFTAR PUSTAKA

- [1] B. Singh, L. Shridhar, and C. S. Jha, "Improvements in the performance of self-excited induction generator through series compensation," *IEEE Proceedings-Generation, Transm. Distrib.*, vol. 146, no. 6, pp. 602 – 608, 1999.
- [2] Y. H. A. Rahim, A. I. Alolah, and R. I. Al-Mudaiheem, "Performance of single phase induction generators," *IEEE Trans. Energy Convers.*, vol. 8, no. 3, pp. 389 – 395, 1993.
- [3] M. H. Hague, "Characteristics of a Stand-Alone Induction Generator in Small Hydroelectric Plants," in *AUPEC*, 2008, pp. 1–6.
- [4] T. F. Chan, "Analysis of Self-Excited Induction Generators Using an Iterative Method," *IEEE Trans. Energy Convers.*, vol. 10, pp. 502 – 507, 1995.
- [5] S. S. Murthy, "A Novel Self-Excited Self-Regulated Single Phase Induction Generator Part-I : Basic System and Theory," *IEEE Trans. Energy Convers.*, vol. 8, no. 3, pp. 377 – 382, 1993.
- [6] S. S. Murthy, "A Novel Self-Excited Self-Regulated Single Phase Induction Generator Part-II : Experimental Investigation," *IEEE Trans. Energy Convers.*, vol. 8, no. 3, pp. 383–388, 1993.
- [7] F. D. Wijaya, T. Isobe, J. A. Wiik, and R. Shimada, "Terminal voltage control of stand alone induction generator using controlled shunt capacitor called SVC MERS," in *EPE*, 2009.
- [8] M. Cheng, D. Shiojima, T. Isobe, and R. Shimada, "Voltage Control of Induction Generator Powered Distributed System Using a New Reactive Power Compensator SVC-MERS," in *EPE-PEMC*, 2012, pp. 1–8.
- [9] T. Ahmed, O. Noro, E. Hiraki, and M. Nakaoka, "Terminal Voltage Regulation Characteristics by Static Var Compensator for a Three-Phase Self-Excited Induction Generator," *IEEE Trans. IEEE Ind. Appl.*, vol. 40, no. 4, 2004.
- [10] F. D. Wijaya, T. Isobe, K. Usuki, J. A. Wiik, and R. Shimada, "A New Automatic Voltage Regulator of Self-Excited Induction Generator using SVC Magnetic Energy Recovery Switch (MERS)," in *PESC*, 2008, pp. 697–703.

- [11] D. Shiojima, M. Cheng, T. Isobe, and R. Shimada, "Control and Design Principle of SVC-MERS – a New Reactive Power Compensator with Line Frequency Switching and Small Capacitor," *Energy Convers. Congr. Expo.*, vol. 1, pp. 2045 – 2052, 2012.
- [12] T. Takaku, G. Homma, T. Isobe, S. Igarashi, Y. Uchida, and R. Shimada, "Improved Wind Power Conversion System Using Magnetic Energy Recovery Switch (MERS)," in *Industry Applications Conference*, 2005, pp. 2007–2012.
- [13] O. Ojo, "Performance of self-excited, single-phase induction generators with shunt, short-shunt and long-shunt excitation," *IEEE Trans. Energy Convers.*, vol. 11, no. 3, pp. 477 – 482, 1996.
- [14] B. Singh, S. S. Murthy, and S. Gupta, "An Electronic Voltage and Frequency Controller for Single-Phase Self-Excited Induction Generators for Pico Hydro Applications," in *PEDS*, 2005, pp. 240 – 245.
- [15] T. Ahmed, K. Nishida, K. Soushin, and M. Nakaoka, "Static VAR compensator-based voltage control implementation of single-phase self-excited induction generator," *IEEE Proceedings-Generation, Transm. Distrib.*, vol. 152, no. 2, pp. 145–156, 2005.
- [16] M. Naidu and J. Walters, "A 4-kW 42-V Induction-Machine-Based Automotive Power Generation System with a Diode Bridge Rectifier and a PWM Inverter," *IEEE Trans. Ind. Appl.*, vol. 39, pp. 1287 – 1293, 2003.
- [17] J. A. Wiik, F. D. Widjaya, T. Isobe, T. Kitahara, and R. Shimada, "Series Connected Power Flow Control using Magnetic Energy Recovery Switch (MERS)," in *PCC*, 2007, pp. 983–990.
- [18] J. A. Wiik, A. Kulka, T. Isobe, K. Usuki, M. Molinas, T. Takaku, T. Undeland, and R. Shimada, "Loss and Rating Considerations of a Wind Energy Conversion System with Reactive Compensation by Magnetic Energy Recovery Switch (MERS)," in *EPE-WECS*, 2008.
- [19] S. J. Chapman, *Electric Machinery Fundamentals*, 5th ed. New York: McGraw-Hill, 2012.
- [20] J. M. Chapallaz, J. Dos Ghali, P. Eichenberger, and G. Fischer, *Manual on Induction Motors Used as Generators*. Braunschweig: Deutsches Zentrum fur Entwicklungstechnologien - GATE, 1992.
- [21] B. L. Theraja and A. K. Theraja, *A Textbook of Electrical Technology*, Vol. 2. S. Chand.

- [22] M. H. Hague, "Characteristics of shunt, short-shunt and long-shunt single-phase induction generators," *IEEE Power Energy Soc. Gen. Meet.*, pp. 1 – 7, 2009.
- [23] S. S. Murthy, B. Singh, and V. Sanded, "A novel and comprehensive performance analysis of a single-phase two winding self-excited induction generator," *IEEE Trans. Energy Convers.*, vol. 27, no. 1, pp. 117 – 127, 2012.
- [24] M. F. Khan, M. R. Khan, and A. Iqbal, "Performance Comparison of Single Winding and Double Winding Self-excited Induction Generators," in *CEAT*, 2013, pp. 202 –207.
- [25] T. Isobe, J. A. Wiik, T. Kitahara, S. Kato, and K. Inoue, "Control of series compensated induction motor using magnetic energy recovery switch," in *EPE*, 2007.
- [26] J. A. Wiik, F. D. Wijaya, and R. Shimada, "Characteristics of the Magnetic Energy Recovery Switch (MERS) as a Series FACTS Controller," *IEEE Trans. Power Deliv.*, vol. 24, no. 2, pp. 828–836, 2009.
- [27] "8-bit Atmel with 8KBytes In- System Programmable Flash." Atmel Corporation, San Jose, USA, 2013.
- [28] M. A. Mazidi, S. Naimi, and S. Naimi, *The AVR Microcontroller and Embedded Systems Using Assembly and C*. New Jersey: Prentice Hall, 2011.
- [29] Muhammad H. Rashid, *Power Electronics Handbook*. Canada, USA: Academic Press, 2001.
- [30] "IRF840: 8A, 500V, 0.85 Ohm, N-Channel Power MOSFET." International Rectifier, California, USA.
- [31] "IR2110(- 1- 2)(S)PbF/IR2113(-1-2)(S)PbF High and Low Side Driver." International Rectifier, California, 2005.
- [32] M. Hermwille, "Gate resistor - principles and applications." Semikron, 2007.
- [33] G. E. Danz, "Hip2500 high voltage (500 vdc) half-bridge driver ic." Tech. Rep., 1994.
- [34] C. T. Killian, *Modern Control Technology: Components and Systems*, 2nd ed. Singapore: Delmar Publisher, 2001.

- [35] G. J. Silva, A. Datta, and S. P. BhattaCharyya, "PI Stabilization of First-Order Systems with Time Delay," *Automatica*, vol. 37, pp. 2025 – 2031, 2001.
- [36] K. Ogata, *Modern Control Engineering*, 5th ed. New Jersey: Prentice Hall, 2010.
- [37] H. Prabowo, "Perancangan Pengendali Intensitas Cahaya Menggunakan MERS sebagai Alat Penghemat Energi pada Lampu Fluorescent," Universitas Gadjah Mada, 2014.
- [38] "TL082 TL082A TL082B - General purpose JFET dual operational amplifiers." STMicroelectronics, Geneva, Switzerland, 2008.
- [39] K. Gausultan, "Konverter DC-DC Full Bridge Phase-Shifted (FBPS) Pulse Width Modulation Zero Voltage Switching (ZVS) sebagai Battery Charger," Universitas Gadjah Mada, 2013.
- [40] "HV Floating MOS-Gate Driver ICs." International Rectifier, California, USA, 2007.
- [41] Y. F. Sidik, "Inverter 3 kVA Satu Fase dengan Metode Direct Digital Synthesis Menggunakan 16-bit Digital Signal Controller untuk Integrasi dengan Jaringan Distribusi 220 Vrms," Universitas Gadjah Mada, 2013.
- [42] S. W. Smith, *The Scientist and Engineer's Guide to Digital Signal Processing*, 2nd ed. San Diego: California Technical Publishing, 1999.