

DAFTAR PUSTAKA

- [1] M. Thirugnanasambandam, M. Hasanuzzaman, R. Saidur, M. B. Ali, S. Rajakarunakaran, D. Devaraj, and N. A. Rahim, "Analysis of electrical motors load factors and energy savings in an Indian cement industry," *Energy*, vol. 36, no. 7, pp. 4307–4314, 2011.
- [2] 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.
- [3] F. D. Wijaya, S. A. Kusumawan, and H. Prabowo, "Reducing Induction Motor Starting Current Using Magnetic Energy Recovery Switch (MERS)," *2014 6th Int. Conf. Inf. Technol. Electr. Eng.*, 2014.
- [4] B. W. A. WIBOWO, "Kompensator Daya Reaktif Variabel Menggunakan Svc Mers Pada Motor Induksi," 2016.
- [5] H. Maulana, "Desain dan Pengujian Magnetic Energy Recovery Switch Dipasang Paralel pada Motor Induksi Tiga Fase," 2017.
- [6] Stephen J. Chapman, "Electric Machinery Fundamentals - 4th Edition," p. 773, 2005.
- [7] S. Sudirham, "Analisis Rangkaian Listrik," vol. 1, no. April, p. 15, 2012.
- [8] T. Wildi, *Electrical Machines Drives and Power Systems 5th Edition*. 2002.
- [9] Siemens, "Parallel compensation," *Energy Manag. Div.*, p. 24, 2016.
- [10] A. Pundir and G. D. Yadav, "Comparison of Different types of Compensating Devices in Power System," pp. 420–426, 2016.
- [11] N. Mohan, T. Undeland, and W. Robbins, "Power Electronics." 1995.
- [12] J. A. Wiik, F. D. Widjaya, T. Isobe, T. Kitahara, and R. Shimada, "Series Connected Power Flow Control using Magnetic Energy Recovery Switch (MERS) 1 (D," pp. 983–990, 2007.
- [13] R. Shimada, M. Cheng, K. Feng, and T. Isobe, "Characteristics of the magnetic energy recovery switch as a static Var compensator technology," *IET Power Electron.*, vol. 8, no. 8, pp. 1329–1338, 2015.
- [14] D. Shiojima, M. 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,” *2012 IEEE Energy Convers. Congr. Expo. ECCE 2012*, vol. 1, no. c, pp. 2045–2052, 2012.
- [15] T. Isobe, J. A. Wiik, T. Kitahara, S. Kato, and K. Inoue, “Control of series compensated induction motor using magnetic energy recovery switch,” *Epe*, pp. 919–924, 2007.
 - [16] M. Prabowo, H., Wijaya, F., & Isnaeni B.S, “Perancangan Pengendali Intensitas Cahaya Menggunakan MERS sebagai Alat Penghemat Energi pada Lampu Fluorescent,” Universitas Gadjah Mada, 2014.
 - [17] Texas Instruments, “LMx58-N Low-Power , Dual-Operational Amplifiers,” 2014.
 - [18] V. Semiconductors, “Vishay Semiconductors Optocoupler , Photodarlington Output , High Gain , with Base Connection Vishay Semiconductors,” no. 1, pp. 1–6, 2002.
 - [19] STMicroelectronics, *User manual Discovery kit with STM32F407VG MCU*, no. May. 2017.
 - [20] Infineon, “IR2110(- 1 - 2)(S)PbF/IR2113(- 1 - 2)(S)PbF HIGH AND LOW SIDE DRIVER,” vol. 2110, pp. 1–18, 2005.
 - [21] A. F. S. Igbt, “FGB40N60SM Package Marking and Ordering Information Electrical Characteristics of the IGBT,” no. September, pp. 1–8, 2013.
 - [22] D. Committee, I. Power, and E. Society, “IEEE Recommended Practice and Requirements for Harmonic Control in Electric Power Systems IEEE Power and Energy Society,” vol. 2014, 2014.