DAFTAR PUSTAKA

[1] M. Car, M. Vašak dan V. Lešić, "Control of a buck-boost DC-DC power konverter for microgrid energy storage." *19th International Conference on Electrical Drives and Power Electronics (EDPE)*, vol. 19, pp. 122-127, 2017.

[2] Winasis, Suroso, H. Prasetijo dan A. Noviana, "Analisis Sistem Mikrogrid DC Fotovoltaik Terhubung Jala-jala." *Seminar Nasional Teknik Elektro*, pp. 44-49, 2018.

[3] D. K. Kim, S. Yoneoka, A. Z. Banatwala dan Y. Kim, *Handbook on Battery Energy Storage System*. Asian Development Bank, 2018.

[4] A. A. Kamel, H. Rezk, N. Shehata, dan J. Thomas, "Energy Management of a DC Microgrid Composed of Fotovoltaik/ Fuel Cell/ Battery/ Supercapacitor Systems." *Batteries*, vol. 5, no. 3, pp. 63, 2019.

[5] S. P. Biswas, M. K. Hosain dan M. W. Rahmad, "Real-Time Arduino Based Simulator Enabled Hardware-in-the-Loop Electric DC Machine Drive System." *IEEE Region 10 Humanitarian Technology Conference*, pp. 823-826, 2017.

[6] J.A. Ledin, "Hardware-in-the-loop simulation." *Embedded System Programming*, vol. 12, pp. 42, 1999.

[7] A. H. R. Rosa, M. B. E. Silva, M. F. C. Campos, R. A. S. Santana, M. A. S. Mendes, L. M. F. Morais, S. I. Seleme, dan P. C. Cortizo, "HIL simulation of non linear control methods applied for buck-boost and flyback konverters." *Brazilian Power Electronics Conference (COBEP)*, 2017.

[8] D. Xue dan Y. Chen, *System Simulation Techniques with MATLAB® and Simulink®*. John Wiley & Sons, 2014.

[9] H. Farhangi dan G. Joos, *Microgrid Planning and Design*. Wiley-IEEE Press, 2019.

[10] M. Legraive, "Realisation of a Lithium-ion Battery Model for Microgrid Applications and Validation with Real-time Simulation Platform," M.S Thesis, Louvain School of Engineering, Catholic University of Louvain, Laouvain-la-Neuve, 2017.

[11] D.-K. Jeong, H.-S. Kim, J.-W. Baek, H.-J. Kim, dan J.-H. Jung, "Autonomous Control Strategy of DC Microgrid for Islanding Mode Using Power Line Communication." *Energies*, vol. 11, no. 4, pp. 924, 2018.

[12] R. Salas-Puente, S. Marzal, R. Gonzalez-Medina, E. Figueres, dan G. Garcera, "Practical Analysis and Design of a Battery Management System for a Grid-Connected DC Microgrid for the Reduction of the Tariff Cost and Battery Life Maximization." *Energies*, vol. 11, no. 7, pp. 1889, 2018.

[13] B. Sørensen, *Renewable Energy: Physics, Engineering, Environmental Impacts, Economics and Planning*. Academic Press, 2010

[14] M. Brain, "How Lithium-ion Batteries Work?", How Stuff Works, 14 November 2006, [Online]. Available: https://electronics.howstuffworks.com/everyday-tech/lithium-ion-battery.htm#pt1 [Accessed: 30 October 2020]

[15] O. Tremblay, L. A. Dessaint dan A. I. Dekkiche, "A Generic Battery Model for the Dynamic Simulation of Hybrid Electric Vehicles." *2007 IEEE Vehicle Power and Propulsion Conference*, pp. 284-289, 2007.

[16] G. Pistoia, *Lithium-ion batteries: advances and application*. Newnes, 2013.

[17] I. Baccouche, S. Jemmali, A. Mlayah, B. Manai dan N.E.B. Amara, "Implementation of an Improved Coulomb-Counting Algorithm Based on a Piecewise SOC-OCV Relationship for SOC Estimation of Li-Ion Battery." *International Journal of Renewable Energy Research*, vol. 8, no. 1, pp. 178-187, 2018.

[18] M. Daowd, N. Omar, P. Van Den Bossche, dan J. Van Mierlo, "Passive and active battery balancing comparison based on MATLAB simulation." *IEEE Vehicle Power and Propulsion Conference*, pp. 1-7, 2011.

[19] N. Mohan, T. M. Undeland dan W. P. Robbins, *Power Electronics: Konverters, Applications and Design*. John Wiley & Sons, 2003.

[20] D. W. Hart, *Power Electronics*. McGraw-Hill, 2011.

[21] D. Ravi, B. M. Reddy, S. S. Letha dan P. Samuel, "Bidirectional dc to dc Konverters: An Overview of Various Topologies, Switching Schemes and Control Techniques." *International Journal of Engineering & Technology*, vol. 7, no. 4.5, pp. 360-365, 2018.

[22] S. A. Gorji, H. G. Sahebi, M. Ektesabi dan A. B. Rad, “Topologies and Control Schemes of Bidirectional DC–DC Power Konverters: An Overview.” *IEEE Access*, vol. 7, pp. 117997-8019, 2019.

[23] I. Plotnikov dan G. Atamankin, “Selecting Components for Bidirectional DC-DC Konverter of Fotovoltaik Power Supply System.” *IEEE Russian Workshop on Power Engineering and Automation of Metallurgy Industry: Research & Practice (PEAMI)*, pp. 64-69, 2019.

[24] B. Y. Li, C. Xu C. Li dan Z. Guan, “Working principle analysis and control algorithm for bidirectional Konverter DC/DC.” *Journal of Power Technologies*, vol. 97, no. 4, pp. 327-335, 2018.

[25] S. Anand dan B. G. Fernandes, "Optimal voltage level for DC microgrids." *IECON 2010 - 36th Annual Conference on IEEE Industrial Electronics Society*, pp. 3034-3039, 2010.

[26] Relion, “RB48V200 DATA SHEET”, RB48V200, Januari 2021.

[27] Amin, K. Ismail, A. Nugroho dan S. Kaleg, “Passive balancing battery management system using MOSFET internal resistance as balancing resistor.” *2017 International Conference on Sustainable Energy Engineering and Application (ICSEEA)*, pp. 151-155, 2017.

[28] B. Yildirim, M. Elgendy, A. Smith dan V. Pickert, "Evaluation and Comparison of Battery Cell Balancing Methods." *IEEE PES Innovative Smart Grid Technologies Europe (ISGT-Europe)*, pp. 1-5, 2019.

[29] E. M. Salilih dan Y. T. Birhane, “Modeling and Analysis of Photo-Voltaic Solar Panel under Constant Electric Load.” *Journal of Renewable Energy*, pp. 1-10, 2019.