

DAFTAR PUSTAKA

- [1] A. K. Nag and S. Sarkar, "Techno-economic analysis of a micro-hydropower plant consists of hydrokinetic turbines arranged in different array formations for rural power supply," *Renew. Energy*, vol. 179, no. 2021, pp. 475–487, 2021, doi: 10.1016/j.renene.2021.07.067. <https://www.sciencedirect.com/science/article/abs/pii/S0960148121010727>
- [2] A. Tapia, D. G. Reina, and P. Millán, "Optimized micro-hydro power plants layout design using messy genetic algorithms," *Expert Syst. Appl.*, vol. 159, p. 113539, 2020, doi: 10.1016/j.eswa.2020.113539. <https://www.sciencedirect.com/science/article/abs/pii/S0957417420303638>
- [3] N. F. Yah, A. N. Oumer, and M. S. Idris, "Small scale hydro-power as a source of renewable energy in Malaysia: A review," *Renew. Sustain. Energy Rev.*, vol. 72, no. May 2016, pp. 228–239, 2017, doi: 10.1016/j.rser.2017.01.068. <https://www.sciencedirect.com/science/article/abs/pii/S1364032117300709>
- [4] B. Guo, A. Mohamed, S. Bacha, and M. Alamir, "Variable speed micro-hydro power plant: Modelling, losses analysis, and experiment validation," *Proc. IEEE Int. Conf. Ind. Technol.*, vol. 2018-Febru, pp. 1079–1084, 2018, doi: 10.1109/ICIT.2018.8352328. <https://ieeexplore.ieee.org/document/8352328>
- [5] W. Gil-González, O. D. Montoya, and A. Garces, "Modeling and control of a small hydro-power plant for a DC microgrid," *Electr. Power Syst. Res.*, vol. 180, no. May 2019, p. 106104, 2020, doi: 10.1016/j.epsr.2019.106104. <https://www.sciencedirect.com/science/article/abs/pii/S0378779619304237>
- [6] V. P. Chandran, S. Murshid, and B. Singh, "Power Management and Control of PMSG Based Hydro-PV-BES Using CSTOGI Control Algorithm for Autonomous Micro-Grid," *8th IEEE Power India Int. Conf. PIICON 2018*, pp. 1–6, 2018, doi: 10.1109/POWERI.2018.8704438. <https://ieeexplore.ieee.org/document/8704438>
- [7] V. P. Chandran, S. Murshid, and B. Singh, "Voltage and Frequency Controller for PMSG-Based Small-Hydro Power Generation," *J. Inst. Eng. Ser. B*, vol. 102, no. 4, pp. 843–854, 2021, doi: 10.1007/s40031-020-00527-9. <https://link.springer.com/article/10.1007/s40031-020-00527-9>
- [8] V. P. Chandran, S. Murshid, and B. Singh, "Third order sinusoidal integrator control of PV-Hydro-BES based isolated micro-grid," *2018 2nd IEEE Int. Conf. Power Electron. Intell. Control Energy Syst. ICPEICES 2018*, pp. 582–587, 2018, doi: 10.1109/ICPEICES.2018.8897494. <https://ieeexplore.ieee.org/document/8897494>

- [9] W. Gil-Gonzalez, A. Garces, and O. B. Fosso, "Passivity-Based Control for Small Hydro-Power Generation with PMSG and VSC," *IEEE Access*, vol. 8, pp. 153001–153010, 2020, doi: 10.1109/ACCESS.2020.3018027. <https://ieeexplore.ieee.org/abstract/document/9171250>
- [10] V. P. Chandran, S. Murshid, and B. Singh, "Power Quality Improvement for PMSG Based Isolated Small Hydro System Feeding Three-Phase 4-Wire Unbalanced Nonlinear Loads," *ITEC 2019 - 2019 IEEE Transp. Electrification Conf. Expo*, pp. 1–6, 2019, doi: 10.1109/ITEC.2019.8790635. <https://ieeexplore.ieee.org/abstract/document/8790635>
- [11] V. P. Chandran, S. Kewat, and B. Singh, "Reconfigurable two-stage solar PV -Battery supported- small hydro system based micro-grid," *9th IEEE Int. Conf. Power Electron. Drives Energy Syst. PEDES 2020*, pp. 1–6, 2020, doi: 10.1109/PEDES49360.2020.9379336. <https://ieeexplore.ieee.org/abstract/document/9379336>
- [12] D. Borkowski, "Analytical model of small hydropower plant working at variable speed," *IEEE Trans. Energy Convers.*, vol. 33, no. 4, pp. 1886–1894, 2018, doi: 10.1109/TEC.2018.2849573. <https://ieeexplore.ieee.org/abstract/document/8391696>
- [13] A. Aicha, M. Youcef, H. Said, and A. Tayeb, "Intelligent maximum power tracking control of PMSG wind energy conversion system," *2017 5th Int. Conf. Electr. Eng. - Boumerdes, ICEE-B 2017*, vol. 2017-Janua, pp. 1–6, 2017, doi: 10.1109/ICEE-B.2017.8191990. <https://onlinelibrary.wiley.com/doi/abs/10.1002/asjc.2090>
- [14] S. Dahale, A. Das, N. M. Pindoriya, and S. Rajendran, "An overview of DC-DC converter topologies and controls in DC microgrid," *2017 7th Int. Conf. Power Syst. ICPS 2017*, pp. 410–415, 2018, doi: 10.1109/ICPES.2017.8387329. <https://ieeexplore.ieee.org/abstract/document/8387329>
- [15] F. Zheng, Y. Chen, T. Ye, Y. Zhang, F. Guo, and Y. Zhang, "Design of hybrid control algorithm for fault ride-through of photovoltaic system," *IEEE Access*, vol. 7, pp. 124196–124206, 2019, doi: 10.1109/ACCESS.2019.2937845. <https://ieeexplore.ieee.org/abstract/document/8815767>
- [16] B. B. Naik and A. J. Mehta, "Sliding mode controller with modified sliding function for DC-DC Buck Converter," *ISA Trans.*, vol. 70, pp. 279–287, 2017, doi: 10.1016/j.isatra.2017.05.009. <https://www.sciencedirect.com/science/article/abs/pii/S0019057817304329>
- [17] S. Xiao, X. Li, H. Zhang, and R. S. Balog, "Active power decoupling method based on dual buck circuit with model predictive control," *Conf. Proc. -*

- IEEE Appl. Power Electron. Conf. Expo. - APEC*, vol. 2018-March, pp. 3089–3094, 2018, doi: 10.1109/APEC.2018.8341541. <https://ieeexplore.ieee.org/abstract/document/8341541>
- [18] C. Li and D. Xu, “Family of enhanced ZCS single-stage single-phase isolated AC-DC converter for high-power high-voltage DC supply,” *IEEE Trans. Ind. Electron.*, vol. 64, no. 5, pp. 3629–3639, 2017, doi: 10.1109/TIE.2017.2652374. <https://ieeexplore.ieee.org/abstract/document/7815374>
- [19] N. D. Bhat, D. B. Kanse, S. D. Patil, and S. D. Pawar, “DC/DC Buck Converter Using Fuzzy Logic Controller,” no. Icces, pp. 182–187, 2020, doi: 10.1109/icces48766.2020.9138084. <https://ieeexplore.ieee.org/abstract/document/9138084>
- [20] W. He, M. M. Namazi, H. R. Koofigar, M. A. Amirian, and J. M. Guerrero, “Voltage regulation of buck converter with constant power load: An adaptive power shaping control,” *Control Eng. Pract.*, vol. 115, no. July, p. 104891, 2021, doi: 10.1016/j.conengprac.2021.104891. <https://www.sciencedirect.com/science/article/abs/pii/S0967066121001684>
- [21] W. J. Gil-Gonzalez, O. D. Montoya, A. Garces, F. M. Serra, and G. Magaldi, “Output Voltage Regulation for DC-DC Buck Converters: A Passivity-Based PI Design,” *2019 IEEE 10th Lat. Am. Symp. Circuits Syst. LASCAS 2019 - Proc.*, no. Ccm, pp. 189–192, 2019, doi: 10.1109/LASCAS.2019.8667557. <https://ieeexplore.ieee.org/abstract/document/8667557>
- [22] Z. Bouchama, A. Khatir, S. Benagoune, and M. N. Harmas, “Design and experimental validation of an intelligent controller for DC–DC buck converters,” *J. Franklin Inst.*, vol. 357, no. 15, pp. 10353–10366, 2020, doi: 10.1016/j.jfranklin.2020.08.011. <https://www.sciencedirect.com/science/article/abs/pii/S0016003220305482>
- [23] R. B. R. Prakash and A. G. Prasad, “Maximum Power Point Tracking for Permanent Magnet Synchronous Generator based Wind Park Application,” vol. 12, no. 2, 2022. DOI: <https://doi.org/10.20508/ijrer.v12i2.12872.g8469>. <https://www.ijrer.org/ijrer/index.php/ijrer/article/view/12872/8469>