DAFTAR PUSTAKA

[1]   N. A. Handayani and D. Ariyanti, "Potency of solar energy applications in Indonesia," *Int. J. Renew. Energy Dev.*, vol. 1, no. 2, pp. 33–38, 2012, doi: 10.14710/ijred.1.2.33-38.

[2]   Kementerian ESDM, "Jurnal Energi," 2016.

[3]   K. Ananda-Rao, Y. Matar, N. Hanisah Baharudin, M. Alif Ismail, and A. Muiez Abdullah, "Design of MPPT charge controller using zeta converter for battery integrated with solar Photovoltaic (PV) system," *J. Phys. Conf. Ser.*, vol. 1432, no. 1, 2020, doi: 10.1088/1742-6596/1432/1/012058.

[4]   V. Elyana, "Perancangan Maximum Power Point Tracking (MPPT) dengan Metode Incremental Conductance Berbasis Arduino," 2019.

[5]   A. W. Asahi, "ANALISIS PERFORMANSI OPERASI MAXIMUM POWER POINT TRACKING (MPPT) METODE PERTURB & OBSERVATION DAN METODE INCREMENTAL CONDUCTANCE PADA BOOST CONVERTER," *Fak. Tek. Jur. Tek. Elektro, Univ. Andalas*, vol. 44, no. 8, 2018, doi: 10.1088/1751-8113/44/8/085201.

[6]   L. W. Trimartanti, "Penerapan Sistem Fuzzy Untuk Diagnosis Campuran Bahan Bakar Dan Udara Pada Mobil F15 Gurt," *Fak. Mat. dan Ilmu Pengetah. Alam Univ. Negeri Yogyakarta*, pp. 7–37, 2011.

[7]   E. N. Yaqin, A. G. Abdullah, D. L. Hakim, and A. B. D. Nandiyanto, "MPPT based on Fuzzy Logic Controller for Photovoltaic System using PSIM and Simulink," *IOP Conf. Ser. Mater. Sci. Eng.*, vol. 288, no. 1, pp. 0–12, 2018, doi: 10.1088/1757-899X/288/1/012066.

[8]   D. Juniyanto, T. Andrasto, and S. Suryono, "Optimalisasi Stand-Alone Photovoltaic System dengan Implementasi Algoritma P&O-Fuzzy MPPT," *J. Tek. Elektro*, vol. 10, no. 1, pp. 1–10, 2018, doi: 10.15294/jte.v10i1.14108.

[9]   Harmini and T. Nurhayati, "Aplikasi MPPT (Maximum Power Point Tracker) – Fuzzy Logic Control (FLC) Untuk Pembangkit Terdistribusi Pada Sistem On Grid PV," 2015.

[10]   Asnil and H. Irma, "Analisis Riak Keluaran Buck Converter," *Tek. Elektro Univ. Negeri Padang*, pp. 58–62, 2015.

[11]   P. G. Aufar, "DESAIN DAN IMPLEMENTASI INTERLEAVED BOOST CONVERTER UNTUK APLIKASI PHOTOVOLTAIC," *Jur. Tek. Elektro, Fak. Teknol. Ind. ITS*, p. 91, 2014.

[12]   I. Yulistiono *et al.*, "Perancangan Hybrid SISTEM PHOTOVOLTAIC Di Gardu Induk Blimbing-Malang," *J. Mhs. Tek. Elektro Univ. Brawijaya*, vol. 1, 2013.

[13]   Wiranto, "Integrasi Solar Home System Dengan Jaringna Listrik Pln Menggunakan Kendali Relay Dan Kontaktor Magnet," pp. 1–6, 2014.

[14]   S. Motahhir, A. El Ghzizal, S. Sebti, and A. Derouich, "Modeling of Photovoltaic System with Modified Incremental Conductance Algorithm for Fast Changes of Irradiance," *Int. J. Photoenergy*, vol. 2018, 2018, doi: 10.1155/2018/3286479.

[15]   H. Bellia, R. Youcef, and M. Fatima, "A detailed modeling of photovoltaic module using MATLAB," *NRIAG J. Astron. Geophys.*, vol. 3, no. 1, pp. 53–61, 2014, doi: 10.1016/j.nrjag.2014.04.001.

[16]   K. J and F. SY, "Modeling of a Photovoltaic Array in MATLAB Simulink and Maximum Power Point Tracking Using Neural Network," *J. Electr. Electron. Syst.*, vol. 07, no. 03, pp. 40–46, 2018, doi: 10.4172/2332-0796.1000263.

[17]   N. H. Abdul Rahman and A. M. Omar, "Modeling of a maximum power point tracker for a stand-alone photovoltaic system using MATLAB/Simulink," *Int. J. Low-Carbon Technol.*, vol. 9, no. 3, pp. 195–201, 2014, doi: 10.1093/ijlct/cts065.

[18]   J. S. E. A. H. Jallad, M. Mahmoud, and This, "Design and Simulation of a Photovoltaic System with Maximum Power Control to Supply a Load with Alternating Current," *Thesis*, 2012.

[19]   A. Oi, "Design and Simulation of Photovoltaic Water Pumping System," *Fac. Calif. Polytech. State Univ. San Luis Obispo*, no. September, pp. 83–92, 2005, doi: 10.1007/978-981-13-6148-7_9.

[20]   M. Effendy, N. A. Mardiyah, and K. Hidayat, "Implementasi Maximum Power Point Tracking pada Photovoltaic Berbasis P&O-Fuzzy," *J. Nas. Tek. Elektro dan Teknol. Inf.*, vol. 6, no. 1, pp. 2–7, 2017, doi: 10.22146/jnteti.v6i1.302.

[21]   T. J.ROSS, *Fuzzy Logic With Engineering Application*. 2010.

[22]   T. J.ROSS, J. M. Booker, and W. J. Parkinson, *Probability Applications*. Virginia: ASA SIAM, 2002.

[23]   J. G. Hayes and G. A. Goodari, *ELECTRIC POWERTRAIN*, 1st ed. Wiley, 2018.

[24]   M. H. Rashid, "Power electronics : circuits, devices and applications / Muhammad H. Rashid.," 2004.

[25]   M. H. Rashid, *POWER ELECTRONICS HANDBOOK*, 2nd ed. Elsevier Ltd, 2001.

[26]   R. Prayogo, "Pengaturan PWM (Pulse Width Modulation) dengan PLC," *Univ. Brawijaya*, pp. 1–2, 2012.

[27]   A. ARIFANDI, "STUDI PENGGUNAAN CATU DAYA METODE PWM (PULSE WIDTH MODULATION) 2 PULSA BERBEDA 180 PADA LAMPU LED (LIGHT EMITTING DIODE)," *Tek. Elektro Fak. Tek. Univ. Andalas*, vol. 8, no. 5, p. 55, 2019.

[28]   Eka Maulana, "Basic Theory of Metal Oxide Semiconductor Field Effect Transistors," *Maulana.Lecture.Ub.Ac.Id*, pp. 1–34, 2014.

[29]   MathWork, "R2017a at a Glance," *The MathWorks, Inc.*, 2017. [Online].
       Available:
       https://www.mathworks.com/products/new_products/release2017a.html.

[30]   Z. Salam, F. Taeed, and M. Shahrin, "Design and implementation of a
       single input fuzzy logic controller for boost converters," *J. Power
       Electron.*, vol. 11, no. 4, pp. 542–550, 2011, doi:
       10.6113/JPE.2011.11.4.542.