DAFTAR PUSTAKA

[1] Jaelani, A, S. Firdaus, and J. Jumena, "Renewable energy policy in Indonesia: The Qur'anic scientific signals in Islamic economics perspective," *International Journal of Energy Economics and Policy*, vol. 7, no. 4, pp. 193–204, 2017.

[2] Islamy, Z, and A. Sudrajad, "Studi Perencanaan Atap Panel Surya di Hotel The Royale Krakatau Cilegon," *Jurnal Energi Dan Manufaktur*, vol. 7, no. 2, pp. 119–224, 2014.

[3] Wicaksono, M.T.C, and I. A. Bangsa, "Instalasi Pembangkit Listrik Tenaga Surya (Plts) Photovoltaic Rooftop Pada Gedung Gardu Induk Kantor Pusat Pt Pembangkit Jawa Bali," *Aisyah Journal of Informatics and Electrical Engineering*, pp. 107–115.

[4] Chong, K.K., and C. W. Wong, "General formula for on-axis sun-tracking system and its application in improving tracking accuracy of solar collector," *Solar Energy*, vol. 83, no. 3, pp. 298–305, 2009.

[5] Nazemi, S.D, and M. Boroushaki "Design, Analysis and Optimization of a Solar Dish/Stirling System," *International Journal of Renewable Energy Development.*, vol. 5, no. 1, pp. 33–42, 2013.

[6] Parida, B., S. Iniyan, and R. Goic, "A review of solar photovoltaic technologies," *Renewable and Sustainable Energy Reviews.*, vol. 15, no. 3, pp. 1625–1636, 2011.

[7] Risser, V.V and H. Post, "Stand-Alone Photovoltaic Systems," *Book of Absorption Fluids Data Survey*, pp. 1–437, 1995.

[8] Yandi, W., S. Syafii, and A. B. Pulungan, "Tracker Tiga Posisi Panel Surya untuk Peningkatan Konversi Energi dengan Catu Daya Rendah," *Jurnal Nasional Teknik Elektro*, vol. 6, no. 3, p. 159, 2017.

[9] Syafii and R. Nazir, "Performance and energy saving analysis of grid connected photovoltaic in West Sumatera," *International Journal of Power*

Electronics and Drive Systems., vol.1, no. 4, pp. 1348 1354, 2016

[10] Syafii, M. I. Rusydi, R. Putra, and M. H. Putra, "Real-time measurement of grid connected solar panels based on wireless sensors network," *Proceeding of International Conference on Sustainable Energy Engineering and Application (ICSEEA)*, pp. 95–99, 2017.

[11] Gagliarducci, M., D. A. Lampasi, and L. Podestà, "GSM-based monitoring and control of photovoltaic power generation," *Measurement*, vol. 40, no. 3, pp. 314–321, 2007.

[12] Saptadi, A. H., "Perbandingan Akurasi Pengukuran Suhu dan Kelembaban Antara Sensor DHT11 dan DHT22 Studi Komparatif pada Platform ATMEL AVR dan Arduino," *Jurnal Informatika,Telekomunikasi dan Elektronika.*, vol. 6, no. 2, 2015.

[13] Fuentes, M., M. Vivar, J. M. Burgos, J. Aguilera, and J. A. Vacas, "Design of an accurate, low-cost autonomous data logger for PV system monitoring using Arduino that complies with IEC standards," *Solar Energy Materials and Solar Cells*, vol. 130, pp. 529–543, 2014.

[14] Coelho, A., dan R. Castro, "Sun tracking pv power plants: Experimental validation of irradiance and power output prediction models," *International Journal of Renewable Energy Research.*, vol. 2, no. 1, pp. 23–32, 2012.

[15] Brano, V.L., A. Orioli, G. Ciulla, and A. Di Gangi, "An improved five-parameter model for photovoltaic modules," *Solar Energy Materials and Solar Cells*, vol. 94, no. 8, pp. 1358–1370, 2010.

[16] Afriyani, A. D.,S. Prasetya, and R. Filzi, " Analisis Pengaruh Posisi Panel Surya terhadap Daya yang dihasilkan di PT Lentera Bumi Nusantara ," *Prosiding Seminar Nasional Teknik Mesin Politek Negeri Jakarta*, pp. 176–183, 2019.

[17] Sasmita, D. P. and M. Widyartono, "Sistem Pelacakan Matahari Sumbu Ganda Pada Modul Fotovoltaik Berbasis Sensor Ultraviolet," *Jurnal Teknik*

Elektro, vol. 09, no. 01, pp. 213–221, 2020.

[18] Dhimish, M., and S. Silvestre, "Estimating the impact of azimuth-angle variations on photovoltaic annual energy production," *Clean Energy*, vol. 3, no. 1, pp. 47–58, 2019.

[19] Pudin, A., and I. R. Mardiyanto, "Desain dan Implementasi Data Logger untuk Pengukuran Daya Keluaran Panel Surya dan Iradiasi Matahari," *ELKOMIKA Jurnal Teknik Energi Elektrik, Teknik Telekomunikasi, & Teknik Elektronika*, vol. 8, no. 2, pp. 240, 2020.

[20] Widodo, S. and J. Iriani, "Perancangan Listrik Energi Surya 300VA, 220V, 50Hz, Untuk Rumah Tangga Sederhana," *EKSERGI Jurnal Teknik Energi*, vol. 15, no. 1, p. 1, 2019.

[21] Yandri, V. R., "Prospek Pengembangan Energi Surya Untuk Kebutuhan Listrik Di Indonesia," *Jurnal Ilmu Fisika*, vol. 4, no. 1, pp. 14–19, 2012.

[22] Syahputra, R dan I. Soesanti, "Renewable energy systems based on micro-hydro and solar photovoltaic for rural areas: A case study in Yogyakarta, Indonesia," *Energy Reports*, vol. 7, pp. 472–490, 2021.

[23] Paundra, F. and A. Nurdin, "Study of the Potential and Development of Renewable Energy Power in Indonesia : a Review," *STEAM Engineering (Journal of Science, Technology, Education And Mechanical Engineering)*, vol. 3, no. 2, pp. 62–72, 2022.

[24] Shah, A., P. Torres, R. Tscharner, N. Wyrsch, and H. Keppner, "Photovoltaic technology: The case for thin-film solar cells," *Science.*, vol. 285, no. 5428, pp. 692–698, 1999.

[25] Radhiansyah, M. Reza, and C. Ekaputri, "Desain Optimal Dan Implementasi Penggerak Panel Surya Menggunakan Metode Perhitungan Sudut Azimuth Matahari," *eProceedings of Engineering.*, vol. 5, no. 3, pp. 3887–3894, 2018.

[26] Yadav, A. K., and S. S. Chandel, "Tilt angle optimization to maximize

incident solar radiation: A review," *Renewable and Sustainable Energy Reviews.*, vol. 23, pp. 503–513, 2013.

[27] Mustofa., R Magga., and Y. Arifin, "Desain Hybrid Panel Surya Tipe Monocrystalline Dan Thermal Kolektor Fluida Air," *Jurnal IPTEK*, vol. 19, no. 2, pp. 67–74, 2015.

[28] Setiawan, B., G. Hidayat, and A. Y. Candra, "Rancang Bangun Dc Submersible Pump Sistem Photovoltaic Battery Coupled Dengan Panel Surya Tipe Polycrystalline Skala Laboratorium," *Prosiding Seminar Nasional Sains dan Teknologi.*, no. TM-019, pp. 1–8, 2017.

[29] Galagan, Y., "Perovskite Solar Cells: Toward Industrial-Scale Methods," *Journal of Physical Chemistry Letters.*, vol. 9, no. 15, pp. 4326–4335, 2018.

[30] Purwoto, B. H., Jatmiko, M. Alimul. F, and I. F. Huda, "Efisiensi Penggunaan Panel Surya Sebagai Sumber Energi Alternatif," *Emitor: Jurnal Teknik Elektro*, vol. 18, no. 01, pp. 10–14, 2018.

[31] Trautz K., P. Jenkins, R. Walters, and D. Scheiman, etc., "High efficiency flexible solar panels," *IEEE.*, pp. 115–119, 2013.

[32] Ganesh, B.N.V.S., and Y. V. Supriya, "Recent Advancements and Techniques in Manufacture of Solar Cells : Organic Solar Cells," *Inernational Journal of Electronics and Computer Science Engineering*, vol. 2, no. 2, pp. 565-573., 2013.

[33] Budiyanto, B. and H. Setiawan, "Analisa Perbandingan Kinerja Panel Surya Vertikal Dengan Panel Surya Fleksibel Pada Jenis Monocrystalline," *Jurnal RESISTOR*, vol. 4, no. 1, p. 77, 2021.

[34] Manab, A., I. Torang. H., A. Rabiula, and H. Matal, "Perencanaan Pembangkit Listrik Tenaga Surya Sistem Off - Grid di Desa Bungku Kecamatan Bajubang Kabupaten Batanghari Jambi," *Journal of Electrical Power Control and Automatic*, vol. 5, no. 2, pp. 61–66, 2022.

[35] Naim, M. "Rancangan Sistem Kelistrikan Plts Off Grid 1000 Watt Di Desa Mahalona Kecamatan Towuti," *Vertex Elektro*, vol. 9, no. 1, pp. 27–32, 2017.

[36] Suhata, Z. Rasyidin dan I. Priyanto, "Efisiensi Sel Surya Sebagai Sumber Energi Satelit Mikro Berbentuk Oktagon*," Prosiding Siptekgan*, pp. 589–597, 2011.2, p. 7, 2017.