

DAFTAR PUSTAKA

- [1] Direktorat Jenderal Ketenagalistrikan, *Rencana Usaha Penyediaan Tenaga Listrik PT Perusahaan Listrik Negara (Persero) Tahun 2019 s.d. 2028*, Kementerian Energi dan Sumber Daya Mineral, 2019.
- [2] Direktorat Jenderal Ketenagalistrikan, *Statistik Ketenagalistrikan 2017 Edisi No. 31 T.A. 2018*, Kementerian Energi dan Sumber Daya Mineral, 2018.
- [3] Kementerian Energi dan Sumber Daya Mineral, *Peluang Investasi Energi Baru, Terbarukan dan Konservasi Energi*, Kementerian Energi dan Sumber Daya Mineral, 2011.
- [4] National Aeronautics and Space Administration, *NASA Surface Meteorology and Solar Energy: RETScreen Data*, [Daring melalui HOMER Pro]. [Diakses 3 Maret 2019].
- [5] Badan Pusat Statistik Kabupaten Kepulauan Sangihe, *Statistik Kecamatan Nusa Tabukan 2016*, Badan Pusat Statistik Kabupaten Kepulauan Sangihe, 2016.
- [6] A. E.-S. A. Nafeh, *Design and Economics Analysis of Stand-Alone PV System to Electrify a Remote area Household in Egypt*, The Open Renewable Energy Journal, vol. 2, no. 1, pp. 33-37, Apr. 2009.
- [7] W. Li, X. Mou, Y. Zhou, and C. Marnay, *On Voltage Standards for DC Home Microgrids Energized by Distributed Sources*, in Proceedings of The 7th International Power Electronic and Motion Control Conference, 2012, vol. 3, pp 2282-2286.
- [8] Gunawan dan Alifah Suryani, *Model Pembangkitan Listrik Hibrid PV-Genset Berbasis Komunal di Pulau Karimunjawa*, Simposium Nasional RAPI XV FT UMS, 2016.
- [9] I.D.A.S. Santiari, *Studi Pemanfaatan Pembangkit Listrik Tenaga Surya sebagai Catu Daya Tambahan pada Industri Perhotelan di Nusa Lembongan Bali*, Jurusan Teknik Elektro, Universitas Udayana, Bali, 2011.
- [10] I Nengah Jati, *Studi Pemanfaatan PLTS Hibrid dengan PLN di Vila Adleson Ubud*, Jurusan Teknik Elektro, Universitas Udayana, Bali, 2011.
- [11] A.Q. Jakhrani, A. R. H. Rigit dan A. K. Othman, *Life Cycle Cost Analysis of a Standalone PV System*, in 2012 International Conference on Green and Ubiquitous Technology, 2012, pp 82-85.
- [12] H. A. Kazem, A. A. Alkurwi, M. M. A. Salam, dan A.H. A. Alwaeli, *Levelized electricity cost for photovoltaic system in Sohar-Oman*, in 2013

Eighth International Conference and Exhibition on Ecological Vehicles and Renewable Energies (EVER), 2013, pp. 1-5.

- [13] Ferdiansjah, *Rekayasa Energi Surya Bab 1: Karakteristik Cahaya*, Departemen Teknik Nuklir dan Teknik Fisika, Fakultas Teknik, Universitas Gadjah Mada, Yogyakarta, 2016.
- [14] Anonim. *ESDM's – Indonesia's Renewable Energy Potential*, [Daring]. Tersedia di: <http://www.esdm.go.id/news-archives/general/49-general/1963-indonesias-renewable-energy-potential.html>. [Diakses: 27-Maret-2019].
- [15] Anonim, *Compliance Management*, [Daring]. Tersedia di: <http://www.sunshine-solutions.org/compliance-management.html> [Diakses: 27-Maret-2019]
- [16] Anonim, *Stand Alone PV System for Off-grid PV Solar Power*, [Daring]. Tersedia di: <http://alternative-energy-tutorials.com/solar-power/stand-alone-pv-system.html> [Diakses 27-Maret-2019].
- [17] Anonim, *Photovoltaic Effect: An Introduction of Solar Cells*. Sustainable Energy Science and Engineering Centre, Florida State University, 2010.
- [18] Anonim, *Solar Charge Controller – Solar Controller*, [Daring]. Tersedia di <http://www.panelsurya.com/index.php/id/solar-controller/12-solar-charge-controller-solar-controller>. [Diakses: 1-Mei-2019].
- [19] Anonim, *Baterai untuk Sel Surya*, [Daring]. Tersedia di: <http://www.panelsurya.com/index.php/id/batre/11-batere>. [Diakses pada: 1-Mei-2019].
- [20] Anonim, *Rolls Surette S-12-160AGM(S12160) AGM Battery*, [Daring]. Tersedia di: http://www.dcbattery.com/rollssuretteagm_s12-160.html. [Diakses: 2-Mei-2019].
- [21] Ahmad Rahma Wardhana, *Perancangan Pembangkit Listrik Tenaga Surya di Kawasan PLTU Tanjung Jati B Jepara*, Departemen Teknik Nuklir dan Teknik Fisika, Fakultas Teknik, Universitas Gadjah Mada, Yogyakarta, 2013.
- [22] M. Hankins, *Small Solar Electricity Systems for Africa*, Commonwealth Science Council, 1991.
- [23] Anonim, *Global Energy | Artikel Pembangkit Listrik Tenaga Surya (PLTS)*, [Daring]. Tersedia di <http://www.gdmenergy.com/databerita/pabrik-panel-surya-di-indonesia.html>. [Diakses: 3-Mei-2019].
- [24] Anonim, *Solar Radiation on a Tilted Surface*, [Daring]. Tersedia di: <https://www.pveducation.org/pvcdrom/properties-of-sunlight/solar-radiation-on-a-tilted-surface>. [Diakses: 8-Mei-2019].

- [25] Anonim, *Grid Connected PV System Design Guidelines*, Clean Energy Council, Australia, 2007.
- [26] Kementerian Energi dan Sumber Daya Mineral, *Kepmen ESDM No. 55 Tahun 2019 tentang BPP Pembangkitan PLN 2018*. Kementerian Energi dan Sumber Daya Mineral, 2019.
- [27] Victor-Juan, *Design of a 380 V/24 V DC Micro-grid for Residential DC Distribution*, The University of Toledo, 2013.
- [28] Anonim, *Informasi Kurs*, [Daring]. Tersedia di: <https://www.bi.go.id/id/moneter/informasi-kurs/transaksi-bi/Default.aspx>. [Diakses: 9-Mei-2019].
- [29] Anonim, *BI 7-day (Reverse) Repo Rate*. [Daring]. Tersedia di: <https://www.bi.go.id/id/moneter/bi-7day-RR/data/Contents/Default.aspx>. [Diakses: 9-Mei-2019].
- [30] Kementerian Energi dan Sumber Daya Mineral, *Permen ESDM No. 53 Tahun 2018 Tentang Pemanfaatan Sumber Energi Terbarukan untuk Penyediaan Tenaga Listrik*. Kementerian Energi dan Sumber Daya Mineral, 2018.
- [31] Herlambang Aditya, *Perancangan Sistem Pembangkit Listrik Tenaga Surya di Desa Waisika, Kabupaten Alor*. Departemen Teknik Nuklir dan Teknik Fisika, Fakultas Teknik, Universitas Gadjah Mada, Yogyakarta, 2017.
- [32] Anonim, *Guides & Advice- Pure Sine Wave VS Modified Sine Wave Inverters*, [Daring]. Tersedia di <https://www.rvworldstore.co.nz/blog/inverters/>. [Diakses 15-Juni-2019].
- [33] Anonim, *Solar Charge Controller PWM*, [Daring]. Tersedia di: <http://www.smartclima.com/solar-charge-controller-pwm.htm>. [Diakses: 15-Juni-2019].
- [34] Anonim, *Harga Genset Yanmar*, [Daring]. Tersedia di: <http://www.hargen.co.id/harga/harga-genset-yanmar>. [Diakses: 16-Juni-2019].
- [35] Anonim, *Harga Genset Perkins*, [Daring]. Tersedia di: <http://www.hargen.co.id/harga/harga-genset-perkins>. [Diakses: 16-Juni-2019]
- [36] Anonim, *Harga Genset Cummins*, [Daring]. Tersedia di: <http://www.hargen.co.id/harga/harga-genset-cummins>. [Diakses: 16-Juni-2019]

- [37] Anonim, *Harga Genset Catterpillar*, [Daring]. Tersedia di: <http://www.hargen.co.id/harga/harga-genset-catterpillar>. [Diakses: 16-Juni-2019]
- [38] Anonim, *Harga Genset Fawde*, [Daring]. Tersedia di: <http://www.hargen.co.id/harga/harga-genset-fawde>. [Diakses: 16-Juni-2019]
- [39] Mohammad Burhanuddin, *Permata di Ujung Negeri* [Daring]. Tersedia di: <http://www.kehati.or.id/permata-di-ujung-negeri>. [Diakses: 18-Juni-2019]
- [40] ASEAN Centre for Energy, *ASEAN Energy Indicators*, ASEAN Centre for Energy, 2014.
- [41] Fronius USA LLC, *Fronius Primo Datasheets*, Fronius USA LLC, 2018.
- [42] Morningstar Corporation USA, *TriStar MPPT Catalogue*, Morningstar Corporation USA, 2010.
- [43] K.G.T. Upadana Putra, *Analisa Pembangkit Listrik Tenaga Diesel Gas dengan Menggunakan Bahan Bakar LNG dan Minyak Solar di PT Indonesia Power Unit Pembangkitan Bali*, Jurnal METTEK Vol. 4 No.1 pp 31-36, 2018.
- [44] Abdelaziz Talha, *Feasibility Study of Hybrid Diesel-PV Power Plants in the Southern of Algeria: Case Study on AFRA power plant*, International Journal of Electrical Power & Energy Systems Vol. 43 pp 546-553, 2012.
- [45] Anonim, *Schematic of Solar PV Diesel Hybrid Power Plant*, [Daring]. Tersedia di: http://www.jains.com/Solar/jain_jyot/Solar_PV_Diesel_Hybrid. [Diakses 19-Juni-2019]