

DAFTAR PUSTAKA

- Alhamad, I. M. (2018). A feasibility study of roof-mounted grid-connected PV solar system under Abu Dhabi net metering scheme using HOMER. *2018 Advances in Science and Engineering Technology International Conferences (ASET)*, 1–4. <https://doi.org/10.1109/ICASET.2018.8376793>
- Angle of inclination for photovoltaic cell. | Download Scientific Diagram. (t.t.). Diambil 10 Juni 2019, dari https://www.researchgate.net/figure/Angle-of-inclination-for-photovoltaic-cell_fig1_265127751
- Bachtiar, M. (2012). Prosedur Perancangan Sistem Pembangkit Listrik Tenaga Surya Untuk Perumahan (Solar Home System). *SMARTek*, 4(3). Diambil dari <http://jurnal.untad.ac.id/jurnal/index.php/SMARTEK/article/view/438>
- Bappenas. (2015). *Visi Indonesia 2045*.
- Biyik, E., Araz, M., Hepbasli, A., Shahrestani, M., Yao, R., Shao, L., ... Atlı, Y. B. (2017). A key review of building integrated photovoltaic (BIPV) systems. *Engineering Science and Technology, an International Journal*, 20(3), 833–858. <https://doi.org/10.1016/j.jestch.2017.01.009>
- detik.com. (2017). Harga Panel Surya Makin Murah, Turun 60% dalam 6 Tahun. Diambil 14 September 2018, dari <https://finance.detik.com/energi/d-3647738/harga-panel-surya-makin-murah-turun-60-dalam-6-tahun>
- Energy Alternatives India. (2018). Solar Cell Technology, Hybrid Systems, Grid connected Solar plant, Offgrid Solar Power Plantâ ”EAI.in. Diambil 16 Januari 2019, dari http://www.eai.in/ref/ae/sol/technology_options.html

ESDM. (2017). *RUPTL PT PLN 2018-2027*.

Florida Solar Energy. (2014). Types of PV Systems. Diambil 10 Januari 2019, dari

http://www.fsec.ucf.edu/en/consumer/solar_electricity/basics/types_of_pv.htm

Gandhi, J. J., Penangsang, O., Suyanto, Soeprijanto, A., & Aryani, N. K. (2016).

Life-cycle cost analysis of laboratory scale micro-grid operation in power system simulation laboratory using HOMER simulation. *2016 International Seminar on Intelligent Technology and Its Applications (ISITIA)*, 561–564.

<https://doi.org/10.1109/ISITIA.2016.7828721>

Gloeckler, M. (2016). Realization of the potential of CdTe thin-film PV. *2016 IEEE*

43rd Photovoltaic Specialists Conference (PVSC), 1292–1292.

<https://doi.org/10.1109/PVSC.2016.7749823>

Green Building Council Indonesia. (2013). *PERANGKAT PENILAIAN*

GREENSHIP GREENSHIP RATING TOOLS GREENSHIP untuk BANGUNAN BARU Versi 1.2.

Hou, G., Sun, H., Jiang, Z., Pan, Z., Wang, Y., Zhang, X., ... Yao, Q. (2016). Life

cycle assessment of grid-connected photovoltaic power generation from crystalline silicon solar modules in China. *Applied Energy*, 164, 882–890.

<https://doi.org/10.1016/j.apenergy.2015.11.023>

Ibrahim, F. A. (2017). *PERANCANGAN SISTEM CATU DAYA PADA*

BANGUNAN GEDUNG PERTAMINA TOWER FAKULTAS EKONOMIKA DAN BISNIS UNIVERSITAS GADJAH MADA MELALUI INTEGRASI PHOTOVOLTAIC TERHADAP BANGUNAN (Universitas Gadjah Mada).

- Diambil dari
http://etd.repository.ugm.ac.id/index.php?mod=penelitian_detail&sub=PenelitianDetail&act=view&typ=html&buku_id=114874&obyek_id=4
- Investopedia. (2018). Return on Investment (ROI). Diambil dari
<https://www.investopedia.com/terms/r/returnoninvestment.asp>
- Jamil, M., Rizwan, M., & Kothari, D. P. (2017). *Grid Integration of Solar Photovoltaic Systems*. Diambil dari <https://books.google.com/books?id=g-5HDwAAQBAJ&pg=SA5-PA106>
- Johns, M., Le, H.-P., & Seeman, M. (2019). *Grid-Connected Solar Electronics*.
- Kementrian ESDM. (2018). *Peraturan Menteri Energi dan Sumber Daya Mineral Republik Indonesia Nomor 49 2018*. Menteri Energi dan Sumber Daya Mineral.
- Lee, J. F., & Rahim, N. A. (2013). Performance comparison of dual-axis solar tracker vs static solar system in Malaysia. *CEAT 2013 - 2013 IEEE Conference on Clean Energy and Technology, 2013*, 102–107.
<https://doi.org/10.1109/CEAT.2013.6775608>
- Ngo, T., & Santoso, S. (2014). Grid-connected photovoltaic converters: Topology and grid interconnection. *Journal of Renewable and Sustainable Energy*, 6(3), 032901. <https://doi.org/10.1063/1.4876415>
- Nugroho, A. (2016). *ANALISIS TEKNO - EKONOMI PEMASANGAN PEMBANGKIT LISTRIK TENAGA SURYA TERHUBUNG GRID PADA GEDUNG PERPUSTAKAAN PUSAT UGM MENGGUNAKAN PIRANTI LUNAK HOMER* (Universitas Gadjah Mada). Diambil dari

http://etd.repository.ugm.ac.id/index.php?mod=penelitian_detail&sub=PenelitianDetail&act=view&typ=html&buku_id=93201&obyek_id=4

Pae, M. (2018). *ANALISIS SISTEM PEMBANGKIT LISTRIK TENAGA HIBRID (ANGIN DAN SURYA) DI BARON TECHNO PARK GUNUNGKIDUL YOGYAKARTA* (Universitas Gadjah Mada). Diambil dari http://etd.repository.ugm.ac.id/index.php?mod=penelitian_detail&sub=PenelitianDetail&act=view&typ=html&buku_id=157382&obyek_id=4

Passera, A., Lollini, R., Avesani, S., Lovati, M., Maturi, L., & Moser, D. (2018). *BIPV FACADES: MARKET POTENTIAL OF RETROFIT APPLICATION IN THE EUROPEAN BUILDING STOCK*. <https://doi.org/10.13140/RG.2.2.24051.63528>

PAVAN KUMAR, Y. V., & BHIMASINGU, R. (2015). Renewable energy based microgrid system sizing and energy management for green buildings. *Journal of Modern Power Systems and Clean Energy*, 3(1), 1–13. <https://doi.org/10.1007/s40565-015-0101-7>

Permana, Ditto Adi; Wibawa, Unggul; Utomo, T. (2013). *Studi Analisis Pembangkit Listrik Hybrid (Diesel-Angin) di Pulau Karimunjawa*. 1–8.

Porter, L. (2015). *The Renewable Energy Home Handbook*. Diambil dari <https://books.google.com/books?id=NwHCCQAAQBAJ&pg=PA82>

Putra, Y. G. (2017). *PERANCANGAN DAN ANALISIS BUILDING INTEGRATED PHOTOVOLTAIC (BIPV) JENIS THIN FILM UNTUK JENDELA GEDUNG KLMB UNIVERSITAS GADJAH MADA* (Universitas Gadjah Mada). Diambil dari

http://etd.repository.ugm.ac.id/index.php?mod=penelitian_detail&sub=PenelitianDetail&act=view&typ=html&buku_id=108218&obyek_id=4

Ramadhan, S. G., & Rangkut, Ch. (2016). Perencanaan Pembangkit Listrik Tenaga Surya Di Atap Gedung Harry Hartanto Universitas Trisakti. *Seminar Nasional Cendekiawan 2016*.

Rekioua, D., & Matagne, E. (2012). *Optimization of photovoltaic power systems*.
<https://doi.org/10.2174/97816080528511060101>

Rosyada, M. F. (2015). *Perancangan Sistem Energi Tenaga Surya Pada Bangunan Gedung Pusat Universitas Gadjah Mada Melalui Integrasi Photovoltaic Terhadap Bangunan* (Universitas Gadjah Mada). Diambil dari
http://etd.repository.ugm.ac.id/index.php?mod=penelitian_detail&sub=PenelitianDetail&act=view&typ=html&buku_id=82801&obyek_id=4

Roy, B., Basu, A. K., & Paul, S. (2014). Analysis of a grid connected PV household system in West Bengal using HOMER. *Proceedings of The 2014 International Conference on Control, Instrumentation, Energy and Communication (CIEC)*, 286–290.
<https://doi.org/10.1109/CIEC.2014.6959095>

Sinaga, D. H. (2018). *Desain Dan Analisis Ekonomi Microgrid Berbasis Energi Terbarukan Untuk Elektrifikasi Pedesaan Di Sumatera Utara* (Universitas Gadjah Mada). Diambil dari
http://etd.repository.ugm.ac.id/index.php?mod=penelitian_detail&sub=PenelitianDetail&act=view&typ=html&buku_id=157557&obyek_id=4

Sintamarean, N., Blaabjerg, F., Wang, H., Iannuzzo, F., & Rimmen, P. de P. (2015).

Reliability Oriented Design Tool For the New Generation of Grid
Connected PV-Inverters. *IEEE Transactions on Power Electronics*, 30(5),
2635–2644. <https://doi.org/10.1109/TPEL.2014.2361918>

Sizing Photovoltaic Systems in SAM 2017.1.17 | System Advisor Model (SAM).

(2017). Diambil 14 September 2018, dari <https://sam.nrel.gov/node/75076>

SolarHubâ ”PV Module Details: GCI-2K-2G-H-US (240V)â ”By Ningbo

Ginlong Technologies. (t.t.). Diambil 17 Juni 2019, dari
[http://solarhub.com/solarhub_products/57234-GCI-2K-2G-H-US-240V-](http://solarhub.com/solarhub_products/57234-GCI-2K-2G-H-US-240V-Ningbo-Ginlong-Technologies)
Ningbo-Ginlong-Technologies

Sudarwani, M. M. (2012). PENERAPAN GREEN ARCHITECTURE DAN
GREEN BUILDING SEBAGAI UPAYA PENCAPAIAN SUSTAINABLE
ARCHITECTURE. *Dinamika Sains*, 10(24). Diambil dari
<http://jurnal.unpand.ac.id/index.php/dinsain/article/view/90>

Sugirianta, I. B. K., Giriantari, I. A. D., & Kumara, I. N. S. (2016). *ANALISA
KEEKONOMIAN TARIF LISTRIK PEMBANGKIT LISTRIK TENAGA
SURYA 1 MWP BANGLI DENGAN METODE LIFE CYCLE COST*. 15(2),
6.

System Advisor Model (SAM) |. (2017). Diambil 9 Januari 2019, dari
<https://sam.nrel.gov/>

The true cost of carbon pollution. (2019). Diambil 23 Juli 2019, dari Environmental
Defense Fund website: <https://www.edf.org/true-cost-carbon-pollution>

World Green Building Council. (2016). What is green building? | World Green Building Council. Diambil 10 Januari 2019, dari <https://www.worldgbc.org/what-green-building>

Xiamen Solar First Energy Technology Co.,. (t.t.). 90 W Transparan Amorphous Silicon Solar Pv Modulâ ”Buy Panel Tenaga Surya/solar Panel Kaca,Panel Tenaga Surya/solar Panel Bipv,250 W Panel Surya Product on Alibaba.com. Diambil 5 Juli 2019, dari Wwww.alibaba.com website: [//www.alibaba.com/product-detail/90w-Transparent-Amorphous-Silicon-Solar-PV_587863144.html](http://www.alibaba.com/product-detail/90w-Transparent-Amorphous-Silicon-Solar-PV_587863144.html)