

DAFTAR PUSTAKA

- Adlie, T. A., & Syuhada, A. (2015). Perancangan Sistem Pembangkit Listrik Hibrid Untuk Menggerak Pompa Air Di Area Pertanian, 0–5.
- Akutsu, H., & Ogata, Y. (1984). High-pressure sodium lamp. *US Patent* 4,468,590, 1–4.
- Alwaeli, A., Chaichan, M. T., Kazem, H. A., Mahdy, A. M. J., & Al-waeely, A. A. (2016). Optimal Sizing of a Hybrid System of Renewable Energy for Lighting Street in Salalah-Oman using Homer software, (June).
- Asif Ul Haq, M., Hassan, M. Y., Abdullah, H., Abdul Rahman, H., Abdullah, M. P., & Hussin, F. (2014). A method for evaluating energy saving potential in lighting from daylight utilization. *Conference Proceeding - 2014 IEEE International Conference on Power and Energy, PECon 2014*, 177–181.
<https://doi.org/10.1109/PECON.2014.7062436>
- Belfkira, R., Nichita, C., & Barakat, G. (2008). Modeling and optimization of wind/PV system for stand-alone site. *Proceedings of the 2008 International Conference on Electrical Machines, ICEM'08*, 1–6.
<https://doi.org/10.1109/ICELMACH.2008.4799898>
- Carli, R., Dotoli, M., & Cianci, E. (n.d.). ScienceDirect of of of of role tool systems cities tool systems in in smart smart cities cities. *IFAC-PapersOnLine*, 50(1), 14460–14464.
<https://doi.org/10.1016/j.ifacol.2017.08.2292>
- Catelani, M., Ciani, L., & Simoni, E. (2012). Thermal analysis of critical components in photovoltaic inverter. *2012 IEEE I2MTC - International Instrumentation and Measurement Technology Conference, Proceedings*, 4–8.
<https://doi.org/10.1109/I2MTC.2012.6229533>
- Chiang, C. H., Liang, T. J., Lee, J. Y., & Li, J. S. (2015). Study and implementation of a two-stage electronic ballast for metal halide lamp. *2015 IEEE 2nd International Future Energy Electronics Conference, IFEEC 2015*.
<https://doi.org/10.1109/IFEEC.2015.7361622>
- Có, M. A., Resende, C. Z., Simonetti, D. S. L., Vieira, J. L. F., & Almeida, P. C. A. (2002). Microcontrolled electronic gear for low wattage

Putri Angelyn Gunadi, 2018

DESAIN OPTIMAL PENERANGAN JALAN UMUM (PJU) BERBASIS ENERGI TERBARUKAN MENGGUNAKAN PERANGKAT LUNAK DIALUX DAN HOMER
Universitas Pendidikan Indonesia | repository.upi.edu | perpustakaan.upi.edu

- Metal Halide(MH) and High-Pressure Sodium (HPS) lamps. *Conference Record - IAS Annual Meeting (IEEE Industry Applications Society)*, 3, 1863–1868.
<https://doi.org/10.1109/IAS.2002.1043787>
- Cole, M., & Driscoll, T. (2014). The lighting revolution: If we were experts before, we're novices now. *IEEE Transactions on Industry Applications*, 50(2), 1509–1520.
<https://doi.org/10.1109/TIA.2013.2288210>
- Ditto, Adi Permana1, Unggul Wibawa, Ir., M.Sc.2, Teguh Utomo, Ir., M. (2016). Studi analisis pembangkit listrik hybrid (diesel- angin) di pulau karimun jawa, 1–8.
- Dwidayanti, R., Gusmedi, H., & S, S. R. (2017). Optimasi Pengisian Daya Baterai Pada Panel Surya Menggunakan Maximum Power Point Tracking (MPPT) FAKULTAS TEKNIK, 11(1).
- Elson, R. (2014). Pengenalan Teknologi Pemanfaatan Energi Angin, 1–39.
- Gao, S., Wang, Y., Liu, X., & Xu, D. (2016). Pressure Sodium Lamp, 253–257.
- Georges, S. (2011). Case Study of Hybrid Wind-Solar Power Systems for Street Lighting, 82–85. <https://doi.org/10.1109/ICSEng.2011.22>
- Gil-de-Castro, A., Moreno-Munoz, A., & De La Rosa, J. J. G. (2010). Characterizing the harmonic attenuation effect of high-pressure sodium lamps. *ICHQP 2010 - 14th International Conference on Harmonics and Quality of Power*.
<https://doi.org/10.1109/ICHQP.2010.5625424>
- Jack, A., & Vrenken, L. (1980). Fluorescent lamps and low pressure sodium lamps. *Physical Science, Measurement and ...*, 127(3), 149–157. Retrieved from http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=4644587
- Kansara, B. U. (2011). Modelling and Simulation of Distributed Generation System Using HOMER Software, 328–332.
- Kardyanto. (2006). Biologi. Yogyakarta. Knowledge, H. S. (n.d.). Merencanakan PJU Tenaga Surya, 1–10.
- Lamnadi, M., Trihi, M., & Boulezhar, A. (2016). Study of a Hybrid Renewable Energy System for a Rural School in Tagzirt, Morocco.
- Lester, H. A. (1999). Research Report Single-Molecule Fluorescence Observed with Mercury Lamp Illumination, (December).

Putri Angelyn Gunadi, 2018

DESAIN OPTIMAL PENERANGAN JALAN UMUM (PJU) BERBASIS ENERGI TERBARUKAN MENGGUNAKAN PERANGKAT LUNAK DIALUX DAN HOMER
 Universitas Pendidikan Indonesia | repository.upi.edu | perpustakaan.upi.edu

- MacAlpine, S. M., Erickson, R. W., & Brandemuehl, M. J. (2013). Characterization of power optimizer potential to increase energy capture in photovoltaic systems operating under nonuniform conditions. *IEEE Transactions on Power Electronics*, 28(6), 2936–2945. <https://doi.org/10.1109/TPEL.2012.2226476>
- Merabet, A., Tawfique Ahmed, K., Ibrahim, H., Beguenane, R., & Ghias, A. M. Y. M. (2017). Energy Management and Control System for Laboratory Scale Microgrid Based Wind-PV-Battery. *IEEE Transactions on Sustainable Energy*, 8(1), 145–154. <https://doi.org/10.1109/TSTE.2016.2587828>
- Minowa, M., Sumi, S. I., & Ito, K. (2012). A study of lightning protection for wind turbine blade by using creeping discharge characteristics. *2012 International Conference on Lightning Protection (ICLP)*, 1–4. <https://doi.org/10.1109/ICLP.2012.6344349>
- Mohibullah, I., Ashraf, I., & Ali, M. L. (2006). Renewable Energy Technologies for the Developing and Developed Countries Power Sector and Assessment of CO₂ Mitigation Potential. *2006 International Conference on Electrical and Computer Engineering*, (December), 225–228. <https://doi.org/10.1109/ICECE.2006.355331>
- Mrabet, B. M., & Chammam, A. M. (2017). A Study of the Impact of a High Pressure Sodium (HPS) Lamps on Power Quality, 56–61.
- Nasional, S., Ics, I., & Nasional, B. S. (2008). Standar Nasional Indonesia 7391 Tahun 2008.
- Oree, V., & Marie, J. (2015). Potential of electricity generation from renewable energy sources for a large hotel in Mauritius.
- Pambudi, R. L., Abdullah, A. G., & Purnama, W. (2008). Desain Penerangan Jalan Umum Pada Tipe Jalan Kolektor Sekunder.
- Pinto, R. A., Cosetin, M. R., Marchesan, T. B., Cervi, M., Campos, A., & Do Prado, R. N. (2008). Compact Lamp Using High-Brightness LEDs. *2008 Industry Applications Society Annual Meeting*, 1–5. <https://doi.org/10.1109/08IAS.2008.260>
- Prastiko, I. B. (2015). Mewaspadai Efek Buruk PLTU Batubara bagi Kesehatan. Indonesia: National Geographic Indonesia.
- Rafiq, A., Sameen, A., Shafaq, M., Parveen, H., & Haque, A. (2016). A

Putri Angelyn Gunadi, 2018

DESAIN OPTIMAL PENERANGAN JALAN UMUM (PJU) BERBASIS ENERGI TERBARUKAN MENGGUNAKAN PERANGKAT LUNAK DIALUX DAN HOMER
 Universitas Pendidikan Indonesia | repository.upi.edu | perpustakaan.upi.edu

- reliable and low cost control circuit of electronic ballast for Metal Halide HID lamps. *12th IEEE International Conference Electronics, Energy, Environment, Communication, Computer, Control: (E3-C3), INDICON 2015*, 1–6.
<https://doi.org/10.1109/INDICON.2015.7443508>
- Riad, K., Christophe, S., Benoit, R., Emmanuel, P., Arnaud, M., Jean-Michel, G., & Energie, E. (2013). A power flow control strategy for high energy efficient smart LED lighting system powered by PV and MPPT controlled DC grid. *2013 IEEE Grenoble Conference PowerTech, POWERTECH 2013*.
<https://doi.org/10.1109/PTC.2013.6652483>
- Rodrigues, C. R. B. S., Almeida, P. S., Soares, G. M., Jorge, J. M., Pinto, D. P., & Braga, H. A. C. (2011). An experimental comparison between different technologies arising for public lighting: LED luminaires replacing high pressure sodium lamps. *Proceedings - ISIE 2011: 2011 IEEE International Symposium on Industrial Electronics*, 141–146.
<https://doi.org/10.1109/ISIE.2011.5984147>
- Sędziwy, A. (2016). Sustainable street lighting design supported by hypergraph-based computational model. *Sustainability (Switzerland)*, 8(1), 1–13. <https://doi.org/10.3390/su8010013>
- Silva, A. F. C. V. (2016). An educational approach to a Lighting Design Simulation using DIALux evo Software.
- Society, I. E. (1972). *American National Standard Practice for roadway lighting. Journal of the Illuminating Engineering Society* (Vol. 1).
- Usman, M., Khan, M. T., Rana, A. S., & Ali, S. (2017). Techno-economic analysis of hybrid solar-diesel-grid connected power generation system. *Journal of Electrical Systems and Information Technology*.
<https://doi.org/10.1016/j.jesit.2017.06.002>
- UU-RI No 38 Tahun 2004. (2004), (1), 1–40.
- Vlietstra, L. S. (2007). Potential Impact of the Massachusetts Maritime Academy Wind Turbine on Common (*Sterna hirundo*) and Roseate (*S. dougallii*) Terns. *Oceans 2007 - Europe*, 1–6. <https://doi.org/ISBN: 978-1-4244-0635-7>
- Yoomak, S., Jettanasen, C., Ngaopitakkul, A., Bunjongjit, S., & Leelajindakrainerk, M. (2017). Comparative Study of lighting quality and power quality FOR LED and HPS Luminaires IN A Roadway

Putri Angelyn Gunadi, 2018

DESAIN OPTIMAL PENERANGAN JALAN UMUM (PJU) BERBASIS ENERGI TERBARUKAN MENGGUNAKAN PERANGKAT LUNAK DIALUX DAN HOMER

Universitas Pendidikan Indonesia | repository.upi.edu | perpustakaan.upi.edu

- Lighting system. *Energy & Buildings*.
<https://doi.org/10.1016/j.enbuild.2017.11.060>
- Zahboune, H., Zouggar, S., Krajacic, G., Sabev, P., & Elhafyani, M. (2016). Optimal hybrid renewable energy design in autonomous system using Modified Electric System Cascade Analysis and Homer software loss of Power Supply Probability. *Energy Conversion and Management*, 126, 909–922. <https://doi.org/10.1016/j.enconman.2016.08.061>
- Zhu, Y., Jiang, P., & Yang, S. (2014). An optimal capacity allocation scheme for the wind-PV hybrid power system based on probabilistic production simulation. *2014 IEEE Conference on Energy Conversion, CENCON 2014*, 277–282.
<https://doi.org/10.1109/CENCON.2014.6967515>