

## DAFTAR PUSTAKA

- Adi, N. (2014). *Faktor-faktor yang Berkontribusi Terhadap Keterlambatan Proyek Konstruksi di PT. Newmont Nusa Tenggara*. Institut Teknologi Sepuluh Nopember, Surabaya.
- Adnyana, T. G. A. F., Gandhiadi, G. K., & Nilakusmawati, D. P. E. (2016). Penerapan Metode Fuzzy AHP Dalam Penentuan Sektor Yang Berpengaruh Terhadap Perekonomian Provinsi Bali. *E-Jurnal Matematika*, 5(2), 59. <https://doi.org/10.24843/mtk.2016.v05.i02.p122>
- Agarwal, S. S., & Kansal, M. L. (2020). Risk based initial cost assessment while planning a hydropower project. *Energy Strategy Reviews*, 31, 100517. <https://doi.org/10.1016/j.esr.2020.100517>
- Ahmad, S., & Tahar, R. M. (2014). Selection of renewable energy sources for sustainable development of electricity generation system using analytic hierarchy process: A case of Malaysia. *Renewable Energy*, 63, 458–466. <https://doi.org/10.1016/j.renene.2013.10.001>
- Alfina, Z. (2019). *Renewable Energy Sources and Technologies for Rural Electrification in Indonesia using AHP*. Seoul National University, Seoul.
- Arnaiz, M., Cochrane, T. A., Ward, N. F. D., & Chang, T. L. (2018). Energy Research & Social Science Facilitating Universal Energy Access for Developing Countries with Micro- Hydropower : Insights from Nepal , Bolivia , Cambodia and the Philippines. *Energy Research & Social Science*, 46(January), 356–367. <https://doi.org/10.1016/j.erss.2018.07.016>
- ASEAN Center for Energy. (2019). Levelized Costs of Electricity (LCOE) for Selected Renewable Energy Technologies in The ASEAN Member States II. *Website ACE*, 51.
- ASEAN Center for Energy. (2020). Asean Energy Outlook 2017-2040. In *Website ACE*. ASEAN Centre for Energy.
- Astutiningsih, T. R. (2018). *Analisis Kelayakan Bisnis Pada Investasi Pembangkit Listrik Tenaga Air (PLTA) Meureubo 48 MW Di Aceh* [Universitas Terbuka]. <http://repository.ut.ac.id/id/eprint/8817>
- Ayağ, Z., & Samanlıoğlu, F. (2020). Fuzzy AHP-GRA approach to evaluating energy sources: a case of Turkey. *International Journal of Energy Sector Management*, 14(1), 40–58. <https://doi.org/10.1108/IJESM-09-2018-0012>
- Bappenas. (2020). *SDGs Indonesia*. Website SDGs Indonesia. <http://sdgsindonesia.or.id/>, diakses tanggal 21 Oktober 2020
- Barroco, J., & Herrera, M. (2019). Clearing Barriers to Project Finance for Renewable Energy in Developing Countries: A Philippines Case Study. *Energy Policy*, 135(September 2019), 1–18. <https://doi.org/10.1016/j.enpol.2019.111008>
- Büyüközkan, G., & Gülleryüz, S. (2017). Evaluation of Renewable Energy Resources in Turkey using an integrated MCDM approach with linguistic interval fuzzy preference relations. *Energy*, 123, 149–163. <https://doi.org/10.1016/j.energy.2017.01.137>
- Chang, D. Y. (1996). Applications of the extent analysis method on fuzzy AHP. *European Journal of Operational Research*, 95(3), 649–655. <https://doi.org/10.1016/0377->

- CNBC-Indonesia. (2018). *Dua Pengembang PLTM Terancam Putus Kontrak dengan PLN*. Website CNBC Indonesia. <https://www.cnbcindonesia.com/news/20180312200727-4-7018/dua-pengembang-pltm-terancam-putus-kontrak-dengan-pln>
- Çolak, M., & Kaya, İ. (2017). Prioritization of renewable energy alternatives by using an integrated fuzzy MCDM model: A real case application for Turkey. *Renewable and Sustainable Energy Reviews*, 80(February), 840–853. <https://doi.org/10.1016/j.rser.2017.05.194>
- DJKN. (2018). *Pendanaan Infrastruktur*. Website DJKN Kemenkeu. [https://www.djkn.kemenkeu.go.id/berita\\_media/baca/12715/Pendanaan-Infrastruktur.html](https://www.djkn.kemenkeu.go.id/berita_media/baca/12715/Pendanaan-Infrastruktur.html)
- Dranka, G. G., Cunha, J., de Lima, J. D., & Ferreira, P. (2020). Economic Evaluation Methodologies for Renewable Energy Projects. *AIMS Energy*, 8(2), 339–364. <https://doi.org/10.3934/ENERGY.2020.2.339>
- EARTO. (2014). The TRL Scale as a Research & Innovation Policy Tool, EARTO Recommendations. In *Earto* (Issue April). [http://www.earto.eu/fileadmin/content/03\\_Publications/The\\_TRL\\_Scale\\_as\\_a\\_R\\_I\\_Policy\\_Tool\\_-\\_EARTO\\_Recommendations\\_-\\_Final.pdf](http://www.earto.eu/fileadmin/content/03_Publications/The_TRL_Scale_as_a_R_I_Policy_Tool_-_EARTO_Recommendations_-_Final.pdf)
- Erinofiardi, Gokhale, P., Date, A., Akbarzadeh, A., Bismantolo, P., Suryono, A. F., Mainil, A. K., & Nuramal, A. (2017). A Review on Micro Hydropower in Indonesia. *Energy Procedia*, 110(March 2017), 316–321. <https://doi.org/10.1016/j.egypro.2017.03.146>
- Eshra, N. M., Zobaa, A. F., & Abdel, S. H. E. (2021). Assessment of mini and micro hydropower potential in Egypt: Multi-criteria analysis. *Energy Reports*, 7, 81–94. <https://doi.org/10.1016/j.egypr.2020.11.165>
- Fajri, M., Putri, R. R. M., & Muflikhah, L. (2018). Implementasi Metode Fuzzy Analytic Hierarchy Process (F-AHP) Dalam Penentuan Peminatan di MAN 2 Kota Serang. *Jurnal Pengembangan Teknologi Informasi Dan Ilmu Komputer (J-PTIIK)*, 2(5), 2109–2117.
- FIDIC. (2020). *International Federation of Consulting Engineers | The Global Voice of Consulting Engineers*. Website FIDIC. <http://fidic.org/> diakses tanggal 12 Oktober 2020
- Halimatussadiyah, A., Amanda, A., & Maulia, R. F. (2020). Unlocking Renewable Energy Potential in Indonesia: Assessment on Project Viability. *LPEM-FEB University of Indonesia Working Paper*, 052(July), 1–10. [https://www.lpem.org/wp-content/uploads/2020/07/WP-LPEM-052-Unlocking\\_Renewable\\_Energy\\_Potential\\_in\\_Indonesia.pdf](https://www.lpem.org/wp-content/uploads/2020/07/WP-LPEM-052-Unlocking_Renewable_Energy_Potential_in_Indonesia.pdf)
- Hardjomuljadi, S. (2014). Factor Analysis on Causal of Construction Claims and Disputes in Indonesia (with Reference to the Construction of Hydroelectric Power Project in Indonesia). *International Journal of Applied Engineering Research*, 9(22), 12421–12446.
- Hossen, M. M., Kang, S., & Kim, J. (2015). Construction schedule delay risk assessment by using combined AHP-RII methodology for an international NPP project. *Nuclear Engineering and Technology*, 47(3), 362–379. <https://doi.org/10.1016/j.net.2014.12.019>
- ICC. (2020). *Incoterms® 2020 - ICC - International Chamber of Commerce*. Website ICC. <https://iccwbo.org/resources-for-business/incoterms-rules/incoterms-2020/> diakses

tanggal 12 Oktober 2020

- IESR. (2019). *Indonesia Clean Energy Outlook Imprint Indonesia Clean Energy Outlook 2020*. www.iesr.or.id
- Ibhar, E., Cebi, S., & Kahraman, C. (2019). A state-of-the-art review on multi-attribute renewable energy decision making. *Energy Strategy Reviews*, 25(September 2018), 18–33. <https://doi.org/10.1016/j.esr.2019.04.014>
- IRENA. (2018). Renewable Power Generation Costs in 2018. In *International Renewable Energy Agency*. [https://doi.org/10.1007/SpringerReference\\_7300](https://doi.org/10.1007/SpringerReference_7300)
- Islami, I. (2015). *Project Finance Dan Public Private Partnership : Skema Pendanaan Alternatif Proyek Infrastruktur*. Website BPPK Kemenkeu. <https://bppk.kemenkeu.go.id/content/berita/pusdiklat-kekayaan-negara-dan-perimbangan-keuangan-project-finance-dan-public-private-partnership--skema-pendanaan-alternatif-proyek-infrastruktur--2019-11-05-c9422269/>, diakses tanggal 15 September 2020
- Jadoon, T. R., Ali, M. K., Hussain, S., Wasim, A., & Jahanzaib, M. (2020). Sustaining Power Production in Hydropower Stations of Developing Countries. *Sustainable Energy Technologies and Assessments*, 37(January), 100637. <https://doi.org/10.1016/j.seta.2020.100637>
- JCT. (2017). *The Joint Contracts Tribunal (JCT)*. Website JCT. <https://www.jctltd.co.uk/> diakses tanggal 12 Oktober 2020
- Karakaş, E., & Yildiran, O. V. (2019). Evaluation of renewable energy alternatives for Turkey via modified fuzzy AHP. *International Journal of Energy Economics and Policy*, 9(2), 31–39. <https://doi.org/10.32479/ijeep.7349>
- Karatop, B., Taşkan, B., Adar, E., & Kubat, C. (2020). Decision analysis related to the renewable energy investments in Turkey based on a Fuzzy AHP-EDAS-Fuzzy FMEA approach. *Computers and Industrial Engineering*, November. <https://doi.org/10.1016/j.cie.2020.106958>
- Kaya, İ., Çolak, M., & Terzi, F. (2019). A comprehensive review of fuzzy multi criteria decision making methodologies for energy policy making. *Energy Strategy Reviews*, 24(March), 207–228. <https://doi.org/10.1016/j.esr.2019.03.003>
- Peraturan Menteri ESDM Nomor 10 tahun 2017 tentang Pokok-pokok Dalam Perjanjian Jual Beli Tenaga Listrik, (2017).
- Peraturan Menteri ESDM Nomor 49 tahun 2017 tentang Perubahan Atas Peraturan Menteri ESDM Nomor 10 tahun 2017, (2017).
- Peraturan Menteri ESDM Nomor 50 tahun 2017 tentang Pemanfaatan Sumber Energi Terbarukan untuk Penyediaan Tenaga Listrik, (2017).
- Peraturan Menteri ESDM Nomor 50 tahun 2017 tentang Pemanfaatan Sumber Energi Terbarukan untuk Penyediaan Tenaga Listrik, (2017).
- Peraturan Menteri ESDM Nomor 10 tahun 2018 tentang Perubahan Kedua atas Peraturan Menteri ESDM Nomor 10 tahun 2017, (2018).
- Peraturan Menteri ESDM Nomor 53 tahun 2018 tentang Perubahan Atas Peraturan Menteri

- ESDM Nomor 50 tahun 2017, (2018).
- Permen ESDM Nomor 39 Tahun 2018 tentang Pelayanan Perizinan Berusaha Terintegrasi Secara Elektronik Bidang Ketenagalistrikan, 2018 (2018).
- Kementerian ESDM. (2019). *Laporan Kinerja Tahun 2019-Direktorat Energi Baru Terbarukan dan Konservasi Energi-Kementerian Energi dan Sumber Daya Mineral*. <http://ebtke.esdm.go.id/post/2020/05/19/2542/laporan.kinerja.ditjen.ebtke.tahun.2019>
- Permen ESDM Nomor 4 Tahun 2020 tentang Perubahan Kedua Atas Peraturan Menteri ESDM Nomor 50 Tahun 2017 Tentang Pemanfaatan Sumber Energi Terbarukan untuk Penyediaan Tenaga Listrik, (2020).
- Kementerian ESDM. (2022). Capaian Kinerja Sektor ESDM tahun 2021 dan Rencana tahun 2022. In *Website Kementerian ESDM*. <https://www.esdm.go.id/assets/media/content/content-capaian-kinerja-sektor-esdm-tahun-2021-dan-rencana-tahun-2022.pdf>
- Kementerian Keuangan RI. (2019). Analisis Dampak Insentif Fiskal Terhadap Investasi dan Harga Jual Listrik Energi Terbarukan. In *Kemenkeu.go.id*. <https://fiskal.kemenkeu.go.id/kajian/2019/03/15/121945424999089-analisis-dampak-insentif-fiskal-terhadap-investasi-dan-harga-jual-listrik-energi-terbarukan>
- Kementerian PUPR. (2017). *Pelatihan Penyelesaian Sengketa Kontrak konstruksi*.
- Kul, C., Zhang, L., & Solangi, Y. A. (2020). Assessing the renewable energy investment risk factors for sustainable development in Turkey. *Journal of Cleaner Production*, 276, 124164. <https://doi.org/10.1016/j.jclepro.2020.124164>
- Lee, H. C., & Chang, C. Ter. (2018). Comparative analysis of MCDM methods for ranking renewable energy sources in Taiwan. *Renewable and Sustainable Energy Reviews*, 92(April 2017), 883–896. <https://doi.org/10.1016/j.rser.2018.05.007>
- Liu, X., & Zeng, M. (2017). Renewable energy investment risk evaluation model based on system dynamics. *Renewable and Sustainable Energy Reviews*, 73(April 2016), 782–788. <https://doi.org/10.1016/j.rser.2017.02.019>
- MEMR. (2020). *Press Release : Semester I 2020, 24 Renewable Energy Powerplant have already COD - Ministry of Energy and Mineral Resources of Republic of Indonesia*. Ministry of Energy and Mineral Resources of Republic of Indonesia. <http://ebtke.esdm.go.id/post/2020/07/30/2599/semester.i.2020.24.pembangkit.ebt.beroperasi, diakses tanggal 15 September 2020>
- Nasution, M. A., Ambarita, H., & Siregar, I. (2018). Social and Technical Barriers that Affect the Growth of Small-Scale Hydropower Independent Power Producers in Indonesia. *IOP Conference Series: Materials Science and Engineering*, 420(1). <https://doi.org/10.1088/1757-899X/420/1/012041>
- Oktavia, R., Irwandi, I., Rajibussalim, T., Mentari, M., & Mulia, I. S. (2018). Assessing the validity and reliability of questionnaires on the implementation of Indonesian curriculum K-13 in STEM education. *Journal of Physics: Conference Series*, 1088. <https://doi.org/10.1088/1742-6596/1088/1/012014>
- Ozorhon, B., Batmaz, A., & Caglayan, S. (2018). Generating a Framework to Facilitate Decision Making in Renewable Energy Investments. *Renewable and Sustainable Energy Reviews*, 95(July), 217–226. <https://doi.org/10.1016/j.rser.2018.07.035>

- Pangarso, S. S., Aminata, J., & Utama, N. A. (2022). Technical Due Diligence for Minihydro Power Plant Project in Indonesia. *IOP Conference Series: Earth and Environmental Science*, 997(1), 012014. <https://doi.org/10.1088/1755-1315/997/1/012014>
- Undang Undang Nomor 10 Tahun 1998 tentang Perubahan atas UU Nomor 7 Tahun 1992 tentang Perbankan, Tambahan Lembaran Negara Republik Indonesia Nomor 3790 (1998).
- Undang-Undang Nomor 30 tahun 2009 tentang Ketenagalistrikan, (2009).
- Peraturan Pemerintah Nomor 14 tahun 2012 tentang Kegiatan Usaha Penyediaan Tenaga Listrik, (2012).
- Peraturan Pemerintah Nomor 23 tahun 2014 tentang Perubahan Peraturan Pemerintah Nomor 14 tahun 2012 tentang Kegiatan Usaha Penyediaan Tenaga Listrik, (2014).
- Peraturan Pemerintah Nomor 24 tahun 2018 tentang Pelayanan Perizinan Berusaha Terintegrasi Secara Elektronik, (2018).
- Peraturan Direksi PT PLN (Persero) Nomor: 0064.P/DIR/2019 tentang Pedoman Penyambungan Pembangkit Energi Terbarukan Ke Sistem Distribusi PT PLN (Persero), (2019).
- Peraturan Direksi PT PLN (Persero) Nomor 0062.P/DIR/2020 tentang Pembelian Tenaga Listrik dari Pembangkit Energi Baru dan Terbarukan, (2020).
- PT. PLN (Persero). (2021). *The Electricity Business Plan of PT. PLN (Persero) 2021-2030* (Kepmen ESDM No. 188.K/HK.02/MEM.L/2021 tanggal 28 September 2021). PT PLN (Persero). Jakarta. <https://web.pln.co.id/stakeholder/ruptl>
- Ren, J., & Sovacool, B. K. (2015). Prioritizing low-carbon energy sources to enhance China's energy security. *Energy Conversion and Management*, 92, 129–136. <https://doi.org/10.1016/j.enconman.2014.12.044>
- Roeshardianto, P. (2014). *Analisis Risiko dan Strategi Mitigasi pada Proyek EPC Pembangunan Pembangkit Listrik Tenaga Minihidro di PT XYZ*. Institut Pertanian Bogor.
- Roy, N. C., & Roy, N. G. (2019). Risk Management in Small Hydro power Projects of Uttarakhand: An Innovative Approach. *IIMB Management Review*, 1–14. <https://doi.org/10.1016/j.iimb.2019.10.012>
- Saaty, T. L. (1988). What is The Analytic Hierarchy Process. *NATO ASI Series, F48*, 109–121.
- Saaty, T. L. (2004). Decision making — the Analytic Hierarchy and Network Processes (AHP/ANP). *Journal of Systems Science and Systems Engineering*, 13(1), 1–35. <https://doi.org/10.1007/s11518-006-0151-5>
- Saraswat, S. K., & Dugalwar, A. K. (2020). Evaluation of energy sources based on sustainability factors using integrated fuzzy MCDM approach. *International Journal of Energy Sector Management*. <https://doi.org/10.1108/IJESM-07-2020-0001>
- Şengül, Ü., Eren, M., Eslamian Shiraz, S., Gezder, V., & Sengül, A. B. (2015). Fuzzy TOPSIS method for ranking renewable energy supply systems in Turkey. *Renewable Energy*, 75, 617–625. <https://doi.org/10.1016/j.renene.2014.10.045>

- Shaktawat, A., & Vadhera, S. (2020). Risk Management of Hydropower Projects for Sustainable Development: a Review. *Environment, Development and Sustainability*, January. <https://doi.org/10.1007/s10668-020-00607-2>
- Siombing, A. L. S., & Susila, I. M. A. D. (2016). Intensitas Energi dan CO2 Serta Energy Payback Time Pada Pembangkit Listrik Tenaga Minihidro dan Mikrohidro. *Jurnal Ketenagalistrikan Dan Energi Baru Terbarukan*, 15(2), 105–116.
- Steffen, B. (2018). The importance of project finance for renewable energy projects. *Energy Economics*, 69, 280–294. <https://doi.org/10.1016/j.eneco.2017.11.006>
- Taber, K. S. (2018). The Use of Cronbach's Alpha When Developing and Reporting Research Instruments in Science Education. *Research in Science Education*, 48(6), 1273–1296. <https://doi.org/10.1007/s11165-016-9602-2>
- Tavakol, M., & Dennick, R. (2011). Making sense of Cronbach's alpha. *International Journal of Medical Education*, 2, 53–55. <https://doi.org/10.5116/ijme.4dfb.8dfd>
- USAID & OJK. (2014). Clean Energy Handbook for Financial Services Institutions. In *OJK Website*. ICED-USAID. <https://www.ojk.go.id/id/Documents/Pages/Keuangan-Berkelanjutan/buku-energi-bersih.pdf>
- USAID & OJK. (2016). Pembiayaan Pembangkit Listrik Tenaga Minihidro. In *USAID*. ICED-USAID. <https://www.iced.or.id/wp-content/uploads/2017/03/Modul-03-Pembiayaan-Pembangkit-Listrik-Tenaga-Mini-Hidro.pdf>
- USAID, & OJK. (2016). Tata Kelola Aspek Resiko Sosial & Lingkungan [Social & Environmental Risk Aspect Governance]. In *Paket Pelatihan : Keuangan Berkelanjutan dalam Pembiayaan Energi Bersih-OJK [Training Package: Sustainable Finance in Clean Energy Financing-OJK]*. ICED-USAID. <https://www.iced.or.id/wp-content/uploads/2017/03/Modul-02-Tata-Kelola-Aspek-Resiko-Sosial-Lingkungan.pdf>
- Wang, Y., Xu, L., & Solangi, Y. A. (2020). Strategic renewable energy resources selection for Pakistan: Based on SWOT-Fuzzy AHP approach. *Sustainable Cities and Society*, 52(May 2019). <https://doi.org/10.1016/j.scs.2019.101861>
- Windarta, J., Saptadi, S., Handoyo, E., Machfudz, L., Renaldo, D., & Saintekha, M. A. (2020). Economic Analysis of Planning for Utilization of Tabang Hydro Power Plant. *Journal of Physics: Conference Series*, 1524(1). <https://doi.org/10.1088/1742-6596/1524/1/012091>
- Zachawerus, J., & Soekiman, A. (2018). Faktor-Faktor Yang Mempengaruhi Kesuksesan Pelaksanaan Proyek Jalan Nasional Di Maluku Utara. *Jurnal Infrastruktur*, 4(01).