

DAFTAR PUSTAKA

- Adlard, J. (2011): *Archimedes screw: Copley Hydropower Generator*. Future Energy Yorkshire, Yorkshire, 2011., 2011.
- Adly dan Lius (2009): Perancangan dan Realisasi Model Prototipe Turbin Air Tipe Screw (Archimedean Turbine) untuk Pembangkit Listrik Tenaga Mikrohidro dengan Head Rendah di Indonesia, *Teknika*, 2(31), 1–7.
- Afifah, N. O. K. (2014): Studi Keberlanjutan Pembangkit Listrik Tenaga Mikrohidro Untuk Perdesaan Indonesia: Analisis Tekno Sosioekonomi. Tesis. Fakultas Teknik. Universitas Indonesia.
- Amjad, M., Fazal, F., Noor, F., Qamar, A., dan Farooq, M. (2015): *Performance Investigation of a Screw Turbine Operating Under Low Head and Less Flow Rate Requirement*, *Technical Journal, University of Engineering and Technology*, 20, 166–170.
- Anugerah, P. (2016): Pengembangan Model Pembangkit Listrik Tenaga Mikro Hidro yang Berkelanjutan untuk Daerah Terpencil, Universitas Gadjah Mada.
- Badan Pusat Statistik (2017): Kecamatan purwanegara dalam angka 2017.
- Bagus, I., Sugirianta, K., dan Negeri, P. (2016): Analisa Keekonomian Tarif Penjualan Listrik Pembangkit Listrik Tenaga Surya 1 MWp Bangli Dengan Metode *Life Cycle Cost* Pembangkit Listrik Tenaga Surya 1 Mwp Bangli Dengan Metode *Life Cycle Cost*, *Teknologi Elektro* ISSN 1693-2951; e-ISSN: 2503-2372, (December), <https://doi.org/10.24843/mite.1502.18>.
- Bappeda, B. (2007): Penyusunan *Feasibility Study* Pembangunan dan Pengembangan Pembangkit Listrik Tenaga Mikro/Mini Hidro (FS-PLTMH) Kabupaten Banjarnegara.
- Bennion, D. (2013): *Maintaining Archimedes Screw Pumps*, *ECS Engineering Services*. [Online]. Available: <http://www.ecsengineeringservices.com/maintaining-archimedes-screw-pumps/>, 2013.
- Bertrand, E., Signe, K., Hamandjoda, O., Nganhou, J., dan Wegang, L. (2017): *Technical and Economic Feasibility Studies of a Micro Hydropower Plant in Cameroon for a Sustainable Development*, 64–73, <https://doi.org/10.4236/jpee.2017.59006>.
- BPPT-OEI (2017): *Outlook Energi Indonesia*.
- Brada (1999): *Wasserkraftschnecke ermöglicht Stromerzeugung über Kleinkraftwerke [Hydraulic screw generates electricity from micro hydropower stations]*. *Maschinenmarkt Würzburg*, (14), 52 – 56., 1999.
- Caban, J. (2013): *Evacuation Systems of Screw-Type Water Turbines in Small Hydropower Plant*, *Advance in Science and Technology Research Journal*, 7(19), 20–26, <https://doi.org/10.5604/20804075.1062334>.
- Castlerock. (2012). *Micro Hydro Power (MHP) Return of Investment and Cost Effectiveness Analysis-Singapore*. Washington D.C: World Bank
- Department of Environment of Malaysia, *Environmental Requirements: A Guide For Investors, 11th edition*, Department of Environment of the Ministry of Natural Resources and Environment, 2010. <http://www.doe.gov.my/eia/wp-content/uploads/2012/03/A-Guide-For-Investors1.pdf>

- ECS Engineering Services, *Archimedes Screw Pumps*. ECS Engineering Services, Sutton-in-Ashfield, 2016.
- Elbatran, A. H., Yaakob, O. B., Ahmed, Y. M., dan Shabara, H. M. (2015): *Operation , performance and economic analysis of low head micro-hydropower turbines for rural and remote areas : A review*, *Renewable and Sustainable Energy Reviews*, 43, 40–50.
- Elfida (2011): Kemiringan Optimum untuk Tiga Pitch Model Turbin Ulir Dua Blade sebagai Pembangkit Listrik pada Aliran Head Rendah.
- Elkington, J. (1997): *The Triple Bottom Line of 21st Century Business*, Oxford: Capstone Publishing Ltd., Oxford: Capstone Publishing Ltd.
- Erniofiardi, D. (2017): *Experimental Study of Screw Turbine Performance Based on Different Angle of Inclination*, *Energy Procedia*, 110(December 2016), 8–13, <https://doi.org/10.1016/j.egypro.2017.03.094>.
- ESDM (2017): *Rasio Elektrifikasi Indonesia*. Kementrian Energi dan Sumber Daya Mineral.
- ESDMMAG (2012): Media Komunikasi Kementrian Energi dan Sumber Daya Mineral.
- Fajarsari, A. D. (2014): Pengembangan Model Pengelolaan Sistem Pembangkit Listrik Tenaga Mikrohidro yang Berkelanjutan, Universitas Gadjah Mada.
- Fandari, N. E. L. (2014): Pengembangan Energi Panas Bumi yang Berkelanjutan, *Jurnal Ilmiah Semesta Teknik*, 17, 68–82.
- Fraenkel P, D. (1999): *Micro-hydro power: a guide for development workers*, London: IT Publications.
- Giatman, M. (2005): *Ekonomi Teknik*. Jakarta. PT. Raja Grafindo Persada.
- Gurung, A., Bryceson, I., Joo, J. H., dan Oh, S. (2011): *Socio-economic impacts of a micro-hydropower plant on rural livelihoods*, *Scientific Research and Essays*, 6(19), 3964–3972, <https://doi.org/10.5897/SRE10.766>.
- Gonzales, J.S. (2009). *Sustainability study of the San Benito Poite solar power project in Belize*. Master Thesis. International Master's Program in Environmental Sustainable Development
- Harja, H. B., Abdurrahim, H., Yoewono, S., dan Riyanto, H. (2014): Penentuan Dimensi Sudu Turbin dan Sudut Kemiringan Poros Turbin Pada Turbin Ulir Archimedes, *Metal Indonesia ISSN 0126-3463*, 36(1).
- Havendri, A., dan Arnif, I. (2010): Kaji Eksperimental Penentuan Sudut Ulir Optimum Pada Turbin Ulir Untuk Data Perancangan Turbin Ulir Pada Pusat Listrik Tenaga Mikrohidro (PLTMH) dengan Head Rendah, Seminar Nasional Tahunan Teknik Mesin (SNTTM) 9, 9, 274–278.
- Hizhar, Y. (2011): *Rancang Bangun dan Studi Eksperimental Pengaruh Perbedaan Jarak Pitch dan Kemiringan Poros Terhadap Kinerja Mekanik Model Turbin Ulir 2 Blade pada Aliran Head Rendah*.
- IAEA, I. A. E. A. (2005): *Energy Indicators for Sustainable Development: Guideliness and Methodologies*.
- IBEKA (Institut Bisnis dan Ekonomi Kerakyatan) dan JICA (*Japan International Cooperation Agency*) (2008): *Manual Pembangunan Pembangkit Listrik Tenaga Mikrohidro*.

- (IFC), I. F. C. (n.d.): *Hydroelectric Power A Guide for Developers and Investors*. World Bank Group
- Iliskog (2008): *Indicators for assessment of rural electrification — An approach for the comparison of apples and pears*, 36, 2665–2673, <https://doi.org/10.1016/j.enpol.2008.03.023>.
- IMIDAP (2008) Pedoman Studi Kelayakan PLTMH, Jakarta: Departemen ESDM.
- IMIDAP (2010): Pedoman Studi Kelayakan Komprehensif Berkelanjutan, IMIDAP-P-028-2010.
- IRENA (2012): *Renewable Energy Technologies: Cost Analysis Series, International Renewable Energy Agency*, 1, 1–32.
- Kahana, P. (2012): Studi Kelayakan Pembangkit Listrik Tenaga Mikrohidro (PLTMH) di Sungai Bedog Kabupaten Bantul, *Riset Daerah*, XI(2), 1734–1749.
- Koirala, N., Lubitz, D., Dev, G. P., dan Dhakal, Y. (2017): *Review of Low Head turbines System of Nepal for Rural Electrification, 6Th International Conference on Renewable Energy Research and Applications*, 5, 861–869.
- Laghari, J. A., Mokhlis, H., Bakar, A. H. A., dan Mohammad, H. (2013): *A comprehensive overview of new designs in the hydraulic, electrical equipments and controllers of mini hydro power plants making it cost effective technology*, *Renewable and Sustainable Energy Reviews*, 20, 279–293, <https://doi.org/10.1016/j.rser.2012.12.002>.
- Laird, R. (2010): *Retrofit of Small Scale Hydro Schemes In Argyll and Bute*.
- Lashofer, A., Engineers, L. C., Hawle, W., Vienna, L. S., Kampel, I., Kaltenberger, F., dan Vienna, L. S. (2012): *State Of Technology And Design Guidelines For The Archimedes Screw*, (March 2016).
- Lisdiyanti (2011): Pengaruh Kemiringan Turbin Ulir dan Debit Air terhadap Daya Turbin Ulir Dua Blade.
- Liu, G., Rasul, M. G., Amanullah, M. T. O., dan Khan, M. M. K. (2010): *AHP and fuzzy assessment based sustainability indicator for hybrid renewable energy system*, *Universities Power Engineering Conference (AUPEC), 2010 20th Australia*, 1–6.
- Lyons, M., dan Lubitz, W. D. (2013): *Archimedes Screws For Microhydro Power Generation, Proceedings of the ASME 2013 7th International Conference on Energy Sustainability & 11th Fuel Cell Science, Engineering and Technology Conference*, 1–7.
- Masjhuri (2009): Turbin Ulir Pertama Buatan Indonesia untuk Pembangkit Listrik Tenaga Mini hidro (PLTMH) di Irigasi Teknis Banjarnegara – Jawa Tengah.
- PLN (2018): *Electricity Development Master Plan 2017-2026*.
- Prayitno (2002): *Handout Turbin Air, Jurusan Teknik mesin Fakultas Teknik Universitas Gadjah Mada*.
- Rohmer, J., Knittel, D., Sturtzer, G., Flieller, D., dan Renaud, J. (2016): *Modeling and experimental results of an Archimedes screw turbine*, *Renewable Energy*, 94, 136–146, <https://doi.org/10.1016/j.renene.2016.03.044>.
- Saroinsong, T., Soenoko, R., Wahyudi, S., dan Sasongko, M. N. (2016): *Fluid Flow Phenomenon in a Three-Bladed Power-Generating Archiedes screw Turbine*, *Engineering Scince and Technology Review*, 9(2), 72–79.

- Sesa, Y. M. (2011): *Studi Aplikasi Kinerja Turbin ulir (Screw Turbine) pada Sistem Sirkulasi Aliran Air dengan menggunakan Pengujian Mekanis*, Universitas Gadjah Mada.
- Setiarso, D. (2007): Potensi Tenaga Listrik dan Penggunaan Turbin Ulir untuk Pembangkit Skala Kecil di Saluran Irigasi Banjarcayana, *Dinamika Rekayasa*, 13(1), 18–27.
- Silvius, B. J. and (2012): *The Impact of Sustainability on Project Management, Section 3: Managing Socio- Technical Projects*, Monash University Publishing, Australia., 2012, Australia: Monash University.
- Simmons, S., dan Lubitz, W. (2017): *Archimedes Screw Generators for Sustainable Energy Development*, *IEEE*, 144–148.
- Sukijo (2011): Desain Turbin Ulir dengan Material Bambu untuk Pembangkit Listrik Tenaga Mikrohidro (PLTMH) dengan Memanfaatkan Tenaga Air Saluran Irigasi.
- Triatmodjo. B. (2008) Hidrologi Terapan. Beta Offset. Yogyakarta
- Wahyu, W., dan Nok, A. (2016): *Assessing the impact of techno socioeconomic factors on sustainability indicators of microhydro power projects in Indonesia : A comparative study*, *Renewable Energy*, 93, 312–322.
- Waters, S. & Aggidis, G. 2015. *A World First: Swansea Bay Tidal Lagoon in Review*. In: *Kazmerski, L. et al., Renewable and Sustainable Energy Reviews*. Vol. 56. Amsterdam: Elsevier. pp. 916-921. ISSN: 1364-0321
- http://www.thegef.org/gef/sites/thegef.org/files/gef_prj_docs/GEFProjectDocuments/M&E/TER/FY2011/UNDP/2433/3102_2433%20CCM_Indonesia_TE%5B1%5D.pdf