DAFTAR PUSTAKA

Achebe, C. H., Okafor, O. C., & Obika, E. N. (2020). Design and implementation of a crossflow turbine for Pico hydropower electricity generation. *Heliyon*, *6*, e04523. https://doi.org/10.1016/j.heliyon.2020.e04523

Afonso, T. L., Marques, A. C., & Fuinhas, J. A. (2017). Strategies to make renewable energy sources compatible with economic growth. *Energy Strategy Reviews Journal*, *18*, 121–126. https://doi.org/10.1016/j.esr.2017.09.014

Asif, M. (2009). Sustainable energy options for Pakistan. *Renewable and Sustainable Energy Reviews*, *13*, 903–909. https://doi.org/10.1016/j.rser.2008.04.001

Ayancik, F., Aradag, U., Ozkaya, E., Celebioglu, K., Unver, O., & Aradag, S. (2013). Hydroturbine Runner Design and Manufacturing. *International Journal of Materials, Mechanics and Manufacturing*, *1*(2), 162–165. https://doi.org/10.7763/IJMMM.2013.V1.35

Azharul, F., Dharmanto, A., & Wilarso. (2020). TRAKSI: Majalah Ilmiah Teknik Mesin. *TRAKSI: Majalah Ilmiah Teknik Mesin*, *20*(1), 45–58.

Azhiimah, A. N., Muslim, S., & Khotimah, K. (2019). Kajian kritis terhadap beberapa studi kelayakan potensi pembangkit listrik tenaga mikro hidro (pltmh) di indonesia. *Rang Teknik Journal*, *2*(2), 337–347.

Bachtiar, A. N., & Putra, T. (2014). Pembangunan Pembangkit Tenaga Mikrohidro Model Bak (Ptmmb) Penggerak Mesin Penggiling Tepung. *Jurnal Teknik Mesin*, *4*(2), 49–58.

Balasubramanian, J. (2015). Experimental Study of Ingestion in the Rotor-Stator Disk Cavity of a Subscale Axial Turbine Stage. *Proceedings of ASME Turbo Expo 2014: Turbine Technical Conference and Exposition*, 1–11.

Bellah, M., Muhammad, M., Islam, S., & Ali, M. A. T. (2017). Determination of coefficient of discharge of nozzle plates. *AIP Conference Proceedings*, *1919*(1), 2.

Belyakov, N. (2019). Traditional hydropower plant technology. *Sustainable Power Generation*, 355–377. https://doi.org/10.1016/b978-0-12-817012-0.00027-x

Bixler, B., Pease, D., & Fairhurst, F. (2007). The accuracy of computational fluid dynamics analysis of the passive drag of a male swimmer. *Sports Biomechanics*, *6*(1), 81–98. https://doi.org/10.1080/14763140601058581

Blazek, J. (2015). *Computational fluid dynamics Principles and Applications Computational Principles and Applications. Published by Elsevier Ltd. hlm 451*.

Brasil Junior, A. C. P., Mendes, R. C. F., Wirrig, T., Noguera, R., & Oliveira, T. F. (2019). On the design of propeller hydrokinetic turbines: the effect of the number of blades. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, *41*(6), 1–14. https://doi.org/10.1007/s40430-019-1753-4

Chen, P., Alvarado, V., & Hsu, S. (2018). Water energy nexus in city and hinterlands : Multi-regional physical input- output analysis for Hong Kong and South China. *Applied Energy*, *225*, 986–997. https://doi.org/10.1016/j.apenergy.2018.05.083

Choi, Y.-D., Lim, J.-I., Kim, Y.-T., & Lee, Y.-H. (2008). Performance and Internal Flow Characteristics of a Cross-Flow Hydro Turbine by the Shapes of Nozzle and Runner Blade. *Journal of Fluid Science and Technology*, *3*(3), 398–409. https://doi.org/10.1299/jfst.3.398

Contreras, L. T., Lopez, O. D., & Lain, S. (2018). Computational fluid dynamics modelling and simulation of an inclined horizontal axis hydrokinetic turbine. *Energies*, *11*(11). https://doi.org/10.3390/en11113151

Daneshkah, K., & Zangeneh, M. (2010). Parametric design of a Francis turbine runner by means of a three-dimensional inverse design method. *IOP Conference Series: Earth and Environmental Science*, *12*, 1–10. https://doi.org/10.1088/1755-1315/12/1/012058

Desai, V., & Aziz, N. (1994). Parametric evaluation of Crossflow turbine performance. *Journal of Energy Engineering*, *120*(1), 17–34.

Dhakal, R., Bajracharya, T. R., Shakya, S. R., Kumal, B., Khanal, K., Williamson, S. J., … Ghale, D. P. (2017). Computational and experimental investigation of runner for gravitational water vortex power plant. *2017 6th International Conference on Renewable Energy Research and Applications, ICRERA 2017*, 365–373. https://doi.org/10.1109/ICRERA.2017.8191087

Doda, N., & Mohammad, H. (2018). Analisis Potensi Pengembangan Pembangkit Listrik. *Gorontalo Journal of Infrastructure & Science Engineering*, *1*(1), 1–10.Retrieved from jurnal.unigo.ac.id/index.php/gjise/article/viewFile/134/131

Dragomirescu, A., & Schiaua, M. (2017). Experimental and Numerical Investigation of a Bánki Turbine Operating far away from Design Point. *Energy Procedia*, *112*(October 2016), 43–50. https://doi.org/10.1016/j.egypro.2017.03.1057

Drinkwaard, W., Kirkels, A., & Romijn, H. (2010). A learning-based approach to understanding success in rural electrification: insights from Micro Hydro projects in Bolivia. *Energy for Sustainable Development*, *14*, 232–237.

Dwiyanto, V., Indriana, D. K., & Tugiono, S. (2018). Analisis Pembangkit Listrik Tenaga Mikro Hidro (PLTMH) Studi Kasus : Sungai Air Anak (Hulu Sungai Way Besai). *Jurnal Rekayasa Sipil Dan Desain*, *4*(3), 407–422. Retrieved from https://www.neliti.com/id/publications/127987/analisis-pembangkit-listrik-tenaga-mikro-hidro-pltmh-studi-kasus-sungai-air-anak

Edenhofer, O., Pichs-Madruga, R., Sokona, Y., Seyboth, K., & Matschoss, P. (2012). *Renewable energy sources and climate change mitigation: special report of the Intergovernmental Panel on Climate Change. Vol. 49. Intergovernmental Panel on Climate Change, New York.*

Erinofiardia, Gokhale, P., Date, A., Akbarzadeh, A., Bismantolo, P., Suryono, A. F., … Nuramal, A. (2017). A review on micro hydropower in Indonesia. *Energy Procedia*, *110*(December 2016), 316–321. https://doi.org/10.1016/j.egypro.2017.03.146

ESDM. (2018). *Pengesahan Rencana Usaha Penyediaan Tenaga Listrik PT Perusahaan Listrik Negara (PERSERO) tahun 2018-2027*.

Fukotomi, J., Nakase, Y., & Watanabe, T. (1985). A Numerical Method of Free Jet from a Cross-flow Turbine Nozzle. *Chemical Pharmaceutical Bulletin*, *28*(241), 1436–1440. Retrieved from http://www.mendeley.com/research/geology-volcanic-history-eruptive-style-yakedake-volcano-group-central-japan/

Gagliano, A., Tina, G. M., Nocera, F., & Patania, F. (2014). Technical and economic perspective for repowering of micro hydro power plants: A case study of an early XX century power plant. *Energy Procedia*, *62*, 512–521. https://doi.org/10.1016/j.egypro.2014.12.413

Guo, B., Bacha, S., Alamir, M., Mohamed, A., Guo, B., Bacha, S., … Mohamed, A. (2018). Variable speed micro-hydro power generation system : Review and Experimental results. *SGE 2018 - 3ème Édition Du Symposium de Génie Electrique, Jul 2018, Nancy, France.*, 01907850.

Hardjomuljadi, S., & Siswoyo, S. D. (2012). Development of Mini / Micro Hydro Power Plant for Rural Electricity in Indonesia. *Jurnal Ilmiah Teknologi Energi*, 1–12.

Haryanto, A., Fauzan, M. I., & Lanya, B. (2013). Kinerja teknis dan biaya pembangkit listrik mikrohidro. *Jurnal Teknik Pertanian Lampung*, *2*(1), 51–58.

Igliński, B. (2019). Hydro energy in Poland : the history , current state , potential , SWOT analysis , environmental aspects. *International Journal of Energy and Water Resources*, *3*, 61–72. https://doi.org/10.1007/s42108-019-00008-w

Kalista, C. A., Sukri, A. S., Putri, T. S., & Belakang, L. (2018). Analisa debit (q) dan tinggi jatuh (head) terhadap daya yang dihasilkan (studi kasus : air terjun sungai lahundape kota kendari). *Jurnal STABILITA*, *6*(3), 25–34.

Kaniecki, M., Krzemianowski, Z., & Banaszek, M. (2011). Computational fluid dynamics simulations of small capacity Kaplan turbines. *Transactions of the*

Institute of Fluid-Flow Machinery, *123*, 71–84.

Kao, J. H., & Tseng, P. Y. (2018). Application of computational fluid dynamics (CFD) simulation in a vertical axis wind turbine (VAWT) system. *IOP Conference Series: Earth and Environmental Science*, *114*(1), 0–9. https://doi.org/10.1088/1755-1315/114/1/012002

Kaunda, C. S., Kimambo, C. Z., & Nielsen, T. K. (2014). Experimental study on a simplified crossflow turbine. *International Journal of Energy and Environment*, *5*(2), 155–182.

Khan, A. A., Shahzad, A., Hayat, I., & Miah, M. S. (2016). Recovery of flow conditions for optimum electricity generation through micro hydro turbines. *Renewable Energy*, *96*, 940–948. https://doi.org/10.1016/j.renene.2016.05.052

Khurmi, R., & Gupta, J. (2005). *Machine Design*.

Klit, P., & Pedersen, N. L. (2014). *Machine Elements: Analysis and Design*.

Koehuan, V. A., & Sampealo, A. (2015). Analisis Desain Turbin Air Tipe Aliran Silang (Crossflow) dan Aplikasinya di Desa Were I Kabupaten Ngada-NTT. *LONTAR Jurnal Teknik Mesin Undana (LJTMU)*, *02*(01), 1–8.

Larasakti, A. A., Himran, S., & Syamsul, A. (2012). Pembuatan dan Pengujian Pembangkit Listrik Tenaga Mikrohidro Turbin Banki Daya 200 Watt. *Pembuatan Dan Pengujian Pembangkit Listrik Tenaga Mikrohidro Turbin Banki Daya 200 Watt*, *3*(1), 245–253.

Larsson, J., & Wang, Q. (2014). The prospect of using large eddy and detached eddy simulations in engineering design, and the research required to get there. *Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences*, *372*, 1–15. https://doi.org/10.1098/rsta.2013.0329

Lejon, A. G. C., Renöfält, B. M., & Nilsson, C. (2009). Conflicts associated with dam removal in Sweden. *Ecology and Society*, *14*(2), 1–14. https://doi.org/10.5751/ES-02931-140204

Lesmana, R. L., Rohi, D., Tumbelaka, H. H., Studi, P., Elektro, T., Petra, U. K., & Siwalankerto, J. (2018). Perancangan Pembangkit Listrik Tenaga Mikrohidro (PLTMH) dengan tegangan 220 VAC , daya 1 kW di desa Jembul , kecamatan Jatirejo , kabupaten Mojokerto. *Jurnal Teknik Elektro*, *11*(2), 41–45. https://doi.org/10.9744/jte.11.2.41-45

Liu, J., Zuo, J., Sun, Z., Zillante, G., & Chen, X. (2013). Sustainability in hydropower development - A case study. *Renewable and Sustainable Energy Reviews*, *19*, 230–237. https://doi.org/10.1016/j.rser.2012.11.036

Mafruddin, M., & Marsuki, M. (2017). Pengaruh Bukaan Guide Vane Terhadap Kinerja Turbin Pikohidro Tipe Cross-Flow. *Turbo : Jurnal Program Studi Teknik Mesin*, *6*(1), 31–37. https://doi.org/10.24127/trb.v6i1.464

D. A. Makarim, D. D. D. P. Tjahjana, S. I. Cahyono, and S. AmriMazlan, "Performance investigation of the cross-flow water turbine by using CFD Cite as: AIP Conference Proceedings 2097, 030083, 2019.

Martiningsih, W., Herudin, H., & Rifa'i, A. B. (2019). Potensi Pembangkit Listrik Tenaga Mikrohidro di Sungai Ciliman Kabupaten Pandeglang. *FLYWHEEL : Jurnal Teknik Mesin Untirta*, *5*(1), 113. https://doi.org/10.36055/fwl.v0i0.5841

Mito, R., Gao, X., Wlaker, T., Sakamoto, Y., & Hamana, H. (2015). Computational fluid dynamics Technology Applied to High Performance , Reliable Axial Compressors for Power Generation Gas Turbines. *Mitsubishi Heavy Industries Technical Review*, *52*(1), 1–7.

Mockmore, C. A., & Merryfield, F. (1949). The Banki Water Turbine, Engineering Experiment Station. In *Bulletin Series*.

Mokhtar, A., Sudarman, Suwignyo, & Muhammad, S. (2015). Pelatihan Mikro Hidro Di Desa . Karang Suko Kecamatan. *Jurnal Dedikasi*, *12*, 39–42.

Naim, M., Pramoedyo, H., Harahab, N., & Nodjeng, S. (2020). Micro-hydro Resources Development as Hybrid Renewable Energy System in the Ambapa Village. *Proceedings of the 13th International Interdisciplinary Studies*

Seminar, IISS 2019, 1–12. https://doi.org/10.4108/eai.23-10-2019.2293029

Nigussie, T., Engeda, A., & Dribssa, E. (2017). Design , Modeling , and CFD Analysis of a Micro Hydro Pelton Turbine Runner : For the Case of Selected Site in Ethiopia. *International Journal of Rotating Machinery*, *2017*, 1–18.

Nostrand, V. (2005). *Turbine (Steam).*

Ointu, S., Surusa, F. E. P., & Zainuddin, M. (2020). Studi Perencanaan Pembangunan Pembangkit Listrik Tenaga Mikrohidro (PLTMH) Berdasarkan Potensi Air yang Ada di Desa Pinogu. *Jambura Journal of Electrical and Electronics Engineering*, *2*(2), 30–38. https://doi.org/10.37905/jjeee.v2i2.4618

Olgun, H. (2000). Effect of interior guide tubes in cross-flow turbine runner on turbine performance. *International Journal of Energy Research*, *24*(11), 953–964. https://doi.org/10.1002/1099-114X(200009)24:11<953::AID-ER634>3.0.CO;2-3

Ospina-Noreña, J. E., Gay-García, C., Conde, A. C., & Sánchez-Torres Esqueda, G. (2009). Analysis of the water supply-demand relationship in the Sinú-Caribe basin, Colombia, under different climate change scenarios. *Atmosfera*, *22*(4), 399–412.

Ospina-Noreña, J. E., Gay-García, C., Conde, A. C., & Sánchez-Torres Esqueda, G. (2011). Water availability as a limiting factor and optimization of hydropower generation as an adaptation strategy to climate change in the Sinú-Caribe river basin. *Atmosfera*, *24*(2), 203–220.

Panthee, A., Prasad Neopane, H., & Thapa, B. (2014). CFD Analysis of Pelton Runner. *International Journal of Scientific and Research Publications*, *4*(8), 4–9.

Pascale, A., Urmee, T., & Moore, A. (2011). Life cycle assessment of a community hydroelectric power system in rural Thailand. *Renewable Energy*, *36*, 2799–2808. https://doi.org/10.1016/j.renene.2011.04.023

Prabowoputra, D. M., Prabowo, A.R, Hadi, S., Sohn, J.M. (2020) Performance Assessment of Water Turbine Subjected to Geometrical Alteration of Savonius Rotor. Proceedings of the 6th International Conference and Exhibition on Sustainable Energy and Advanced Materials. Lecture Notes in Mechanical Engineering. Springer, Singapore.

Prasetyo, E., Hermawan, R., Putra, A. L., & Zariatin, D. L. (2017). Fluid Flow Analysis of Micro Gas Turbine Using Computational fluid dynamics (CFD). *4th International Seminar: Research For Science, Technology And Culture (IRSTC 2017)*, 1–7.

Pratiwi, N. D., & Isdiyato, I. (2019). Analisis Ketidakstabilan Tegangan dan Frekuensi Pada Pembangkit Listrik Tenaga Mikrohidro Soko Kembang. *Energi & Kelistrikan*, *11*(2), 129–137. https://doi.org/10.33322/energi.v11i2.864

Pribadyo. (2016). Kajian Teknis dan Ekonomis Pembangkit Listrik Tenaga Mikrohidro (PLTMH) Di Desa Darul Makmur Kotamadya Subulussalam Provinsi Aceh. *Jurnal Mekanova*, *2*(1), 84–90. Retrieved from http://180.250.41.45/jmekanova/article/view/840

PT PLN (Persero). (2019). Statistik PLN 2018 (PLN Statistics 2018). *Sekretariat Perusahaan PT PLN*, *53*(9), 1689–1699.

Rabani, M., Rabani, M., & Rabani, R. (2017). CFD analysis of flow pattern inside amach 3 blowdown supersonic wind tunnel on start-up and steady state operation conditions. *International Journal of Fluid Mechanics Research*, *44*(2), 155–168. https://doi.org/10.1615/InterJFluidMechRes.2017018174

Raheem, A., Abbasi, S. A., Memon, A., Samo, S. R., Taufiq-Yap, Y. H., Danquah, M. K., & Harun, R. (2016). Renewable energy deployment to combat energy crisis in Pakistan. *Energy, Sustainability and Society*, *6*(16), 1–13. https://doi.org/10.1186/s13705-016-0082-z

Rakhmawati, T., Hadiani, R. R. R., & Solichin, S. (2016). Optimasi Diameter Pipa Pesat Pada Model Pembangkit Listrik Tenaga Mikrohidro (Pltmh). *Matriks Teknik Sipil*, *4*(3), 759–765. Retrieved from

https://matriks.sipil.ft.uns.ac.id/index.php/MaTekSi/article/view/568

Rantererunga, C. L., Soeparman, S., Soenoko, R., & Wahyudi, S. (2020). A D OUBLE N OZZLE C ROSS F LOW T URBINE. *Journal of Southwest Jiaotong University*, *55*(4), 1–11.

Rompas, P. T. D. (2011). Analisis Pembangkit Listrik Tenaga Mikrohidro (Pltmh) Pada Daerah Aliran Sungai Ongkak Mongondow Di Desa Muntoi Kabupaten Bolaang Mongondow. *Penelitian Saintek*, *16*(2), 160–171.

Rosaira, I., & Hermawati, W. (2014). Dampak Listrik Pltmh Terhadap Kehidupan Sosial Ekonomi Masyarakat Di Dusun Gunung Sawur, Desa Sumber Rejo, Candipuro, Lumajang. *Prosiding Konferensi Dan Seminar Nasional Teknologi Tepat Guna*, 456–507.

Sabaruddin, A., Karyono, T. H., & Tobing, R. (2011). Model Perhitungan Kandungan Emisi Co2 Pada Bangunan Gedung. *Jurnal Permukiman*, *6*(3), 154–163.

Sammartano, V, Morrealea, G., Sinagraa, M., Collurab, A., & Tucciarelli, T. (2014). Experimental Study of Cross-flow Micro-turbines for Aqueduct Energy Recovery. *Procedia Engineering*, *89*, 540–547. https://doi.org/10.1016/j.proeng.2014.11.476

Sammartano, Vincenzo, Aricò, C., Carravetta, A., Fecarotta, O., & Tucciarelli, T. (2013). Banki-Michell Optimal Design by Computational fluid dynamics Testing and Hydrodynamic Analysis. *Energies*, *6*, 2362–2385. https://doi.org/10.3390/en6052362

Saputra, I. W. B., Weking, A. I., & Jasa, L. (2017). Rancang Bangun Pemodelan Pembangkit Listrik Tenaga Mikro Hidro (Pltmh) Menggunakan Kincir Overshot Wheel. *Majalah Ilmiah Teknologi Elektro*, *16*(2), 48. https://doi.org/10.24843/mite.2017.v16i02p09

SDGs. (2006). *Iso 14040:2006 Environmental management — Life cycle assessment — Principles and framework* (p. 20).

Sharma, A., Prashad, V., & Kumar, A. (2011). Numerical Simulation of Pelton

Turbine Nozzle for Different Shapes of Spear. *Material Science Research India*, *8*(1), 53–63. https://doi.org/10.13005/msri/080108

Sihombing, A. L. S., Susila, I. M. A. D., & Magdalena, M. (2015). The Calculation of Co_2 Emission Value Factor of the Micro Hydro Power Plant Isolated System. *Ketenagalistrikan Dan Energi Terbarukan*, *14*(1), 29–36.

Solaun Martínez, K. (2019). *Climate change impacts on renewable energy generation and electricity demand*.

Steinhurst, W., Knight, P., & Schultz, M. (2012). Hydropower Greenhouse Gas Emissions: State of the research. *Synapse Energy Economics, Inc.*, 1–23Sukamta, S., & Kusmantoro, A. (2013). Perencanaan Pembangkit Listrik Tenaga Mikro Hidro (PLTMH) Jantur Tabalas Kalimantan Timur. *Jurnal Teknik Elektro*, *5*(2), 58–63. https://doi.org/10.15294/jte.v5i2.3555

Suryatna, B. S. (2018). Model penerapan pembangkit listrik tenaga mikrohidro untuk pengembangan industri rumah tangga makanan. *TEKNOBUGA*, *6*(1), 41–50.

Susatyo, A., & Subekti, R. A. (2009). Implementasi teknologi pembangkit listrik tenaga mikro hidro kapasitas 30 kW di Desa Cibunar Kabupaten Tasikmalaya Jawa Barat. *Prosiding Seminar Nasional Daur Bahan Bakar 2009*, (m), 22–26.

Suwarto, Hadi, S. P., & Hermawan. (2018). The Environmental Impact Study of Micro Hydro Power in Pekalongan Indonesia. *E3S Web of Conferences*, *31*, 1–7. https://doi.org/10.1051/e3sconf/20183108007

Syafitri, N. F. (2018). Analisis Profil Blade Turbin Mikro Hidro Vortex Untuk. *Seminar Nasional Cendekiawan*, 535–541.

Tasri, A., & Susilawati, A. (2014). Selection among renewable energy alternatives based on a fuzzy analytic hierarchy process in Indonesia. *Sustainable Energy Technologies and Assessments*, *7*, 34–44. https://doi.org/10.1016/j.seta.2014.02.008

Tiwari, G., Kumar, J., Prasad, V., & Kumar, V. (2020). Utility of CFD in the design

and performance analysis of hydraulic turbines — A review. *Energy Reports*, *6*, 2410–2429. https://doi.org/10.1016/j.egyr.2020.09.004

Voith. (2008). *Pelton turbines*.

Varun., Bhat, I. K., & Prakash, R. (2008). Life Cycle Analysis of Run-of River Small Hydro Power Plants in India. *The Open Renewable Energy Journal*, *1*, 11–16. https://doi.org/10.2174/1876387100901010011

Wahyudi, B., Wirawan, Sarjiyana, Hartono, M., & Adiwidodo, S. (2019). The experimental study of hydrokinetic cross flow savonius horizontal Axis turbine (Crosshat turbine). *International Journal of Mechanical Engineering and Robotics Research*, *8*(6), 966–971. https://doi.org/10.18178/IJMERR.8.6.966-971

Warjito, Prakoso, A. P., Budiarso, & Adanta, D. (2020). CFD simulation methodology of cross-flow turbine with six degree of freedom feature. *AIP Conference Proceedings*, *2255*, 1–6. https://doi.org/10.1063/5.0013611

Wicaksono, P. A., Somantri, M., & Windarto, J. (2013). Sistem informasi potensi dan analisa perencanaan pembangkit listrik tenaga mikrohidro (pltmh) di Indonesia menggunakan pemrograman PHP. *TRANSIENT*, *2*(2), 1–8.

Williamson, S. J., Stark, B. H., & Booker, J. D. (2014). Low head pico hydro turbine selection using a multi-criteria analysis. *Renewable Energy*, *61*, 43–50. https://doi.org/10.1016/j.renene.2012.06.020

Wiludjeng, T., Masrukhi, Asna, M., & Furqon. (2017). Rancang Bangun Turbin Cross -Flow Untuk Pembangkit. *Teknik Pertanian*, *13*(1), 29–36.

Zamir, M., & Zamir, M. (2000). Equations of Fluid Flow. The Physics of Pulsatile Flow, 23–37. https://doi.org/10.1007/978-1-4612-1282-9_2

Zhang, Q., Karney, B., MacLean, H. L., & Feng, J. (2007). Life-Cycle Inventory of Energy Use and Greenhouse Gas Emissions for Two Hydropower Projects in China. *Journal of Infrastructure Systems*, *13*(4), 271–279. https://doi.org/10.1061/(asce)1076-0342(2007)13:4(271)

Židonis, A., & Aggidis, G. A. (2016). Pelton turbine: Identifying the optimum

number of buckets using CFD. *Journal of Hydrodynamics*, *28*(1), 75–83. https://doi.org/10.1016/S1001-6058(16)60609-1

Židonis, A., Panagiotopoulos, A., Aggidis, G. A., Anagnostopoulos, J. S., & Papantonis, D. E. (2015). Parametric optimisation of two Pelton turbine runner designs using CFD. *Journal of Hydrodynamics*, *27*(3), 403–412. https://doi.org/10.1016/S1001-6058(15)60498-X