

## DAFTAR PUSTAKA

- ANSYS, 2013, *ANSYS CFX-Solver Modelling Guide*.
- Aprilliyanto, A., Indarto, Prajitno, 2013, *Design of A Prototype Hydrocoil Turbine Applied As Micro Hydro Solution*, ASEAN Journal of System Engineering, Vol. 1, 72-76.
- Balje, O. E., 1981, *Turbomachines*, John Wiley & Sons, Inc.
- Cengel, Y.A. dan Cimbala. J.M, 2006, *Fluid Mechanics, Fundamentals and Applications*, New York, Mc Graw-Hill.
- Ferrini, M., Borreani, W., Lomonaco, G., Magugliani, F., 2016, *Design by Theoretical and CFD Analysis of A Multi-Blade Screw Pump Evolving Liquid Lead For A Generation IV LFR*, Nuclear Engineering and Design, Vol 297, 276-290.
- Gohil, P. P., Saini, R. P., 2014, *CFD: Numerical Analysis and Performance Prediction in Francis Turbine*, International Conference on Non-Conventional Energy.
- Gorla, R., S., R., Khan, A., A., 2003, *Turbomachinery Design and Theory*, New York, Marcel Dekker.
- Gutstein, et al, 1970, *Theoretical Analysis and Measurement of Single Phase Pressure Losses and Heat Transfer for Helical Flow in Tube*, NASA note.
- Hydrocoil Power, Inc, 2011, *Taping Into Untapped Resources*.
- Jagdish, D., 1979, *Hydraulic Machine*, New Delhi, Metropolitan Book Co. Private Ltd.
- Kartika, H., 2014, Lahan Kering Di Bukit Menoreh Bakal Jadi Waduk Mini, <http://www.sragenpos.com/2014/lahan-kering-di-bukit-menoreh-bakal-jadi-waduk-mini-512222>, [diakses tanggal 22 April 2015].
- Khare, R., Prasad, V., Kumar, S., 2010, *CFD Approach For Flow Characteristics of Hydraulic Francis Turbine*, International Journal of Advances in Engineering, Science and Technology, Vol.2 (8), 3.824-3.831.
- Khare, R., Prasad, V., Verma, M., 2012, *Design Optimization of Conical Draft Tube of Hydraulic Turbine*, International Journal of Advances in Engineering, Science and Technology, Vol.2, 21-26.
- Kiijarvi, J., 2011, *Darcy Friction Factor Formulae in Turbulent Pipe Flow*, Lunowa Fluid Mechanics Paper.
- Leon, A. S., Zhu, L., 2014, *A Dimensional Analysis for Determining Optimal Discharge and Penstock Diameter in Impulse and Reaction Turbine*, Renewable Energy - Elsevier, Vol. 00, 1-14.
- Lewitt, E.H., 1952, *Hydraulics and the Mechanics of Fluids*, London, Sir Isaac Pitman & Sons, LTD.
- Linsley, R.K., Franzini. J.B., 1972, *Water-Resources Engineering*, Tokyo, McGraw-Hill.
- Lomax, H., Pulliam, T. H., Zingg, D. W., 1999, *Fundamentals of Computational Fluid Dynamics*, Toronto, NASA Ames Research Centre.

- Menter, F., R., 2011, *Turbulence Modeling For Engineering Flows*, A Technical Paper From ANSYS, Inc.
- N.A., 2009, *Manuals and Guidelines in Micro-Hydropower Development in Rural Electrification Volume I*, Department of Energy – Energy Utilization Management Bureau.
- Rosefsky, B. Jonathan, 2010, *Ribbon Drive and Power Generation and Method of Use*, U.S. Patent no. 8,148,839B2.
- Shoojaefard, M.H., Mirzaei, A., Babaei, A., 2014, *Shape Optimization of Draft Tube for Agnew Microhydro Turbines*, Energy Conversion and Management, vol. 79, 681-689.
- Singh, D., 2009, *Resource Assessment Handbook*, Asian and Pacific Centre for Transfer of Technology of the United Nations – Economic and Social Commission for Asia and the Pacific.
- Sniegocki, R.T. dan Reed, J.E., 1963, *Principles of Siphons With Respect to the Artificial-Recharge Studies in the Grand Prairie Region Arkansas*, Geological Survey Water-Supply Paper.
- Sodja, J., 2007, *Turbulence Model in CFD*, University of Ljubljana.
- Spotts, M.F., Shoup, T.E., 1998, *Design of Machine Elements*, Prentice-Hall International. Inc.
- Stark, B.H., Ando, E., Hartley, G., 2011, *Modelling and Performance of A Small Siphonic Hydropower System*, Renewable Energy, Vol. 36, 2.451-2.464.
- Suharjono, 2015, Lagi, Dua Embung Buatan Senilai Rp 2 M Diresmikan, <http://www.koran-sindo.com/read/978183/151/lagi-dua-embung-buatan-senilai-rp2m-diresmikan-1426651700>, [diakses tanggal 22 April 2015].
- Suhendra. Zulfi, 2014, Atasi Kekeringan, Butuh Sampai Rp 900 M Untuk Bangun Waduk, <http://finance.detik.com/read/2014/10/19/105114/2722995/4/>, [diakses tanggal 21 April 2015].
- Suroso, G.T., 2015, Infrastruktur dan Pembangunan Ekonomi, <http://www.bppk.depkeu.go.id/publikasi/artikel/150-artikel-keuangan-umum/20517-infrastruktur-dan-pembangunan-ekonomi>, [diakses tanggal 21 April 2015].
- Tao, Y., Li, C., Min, X., dan Min, Z., 2012, *Siphon Pipeline Resistance Characteristic Research*, Procedia Engineering, Vol. 28, 99-104.
- Tridon, S., Barre, S., Ciocan, G. D., Tomas, L., 2010, *Experimental Analysis of Swirling Flow in a Francis Turbine Draft Tube: Focus on Radial Velocity Component Determination*, European Journal of Mechanic B/Fluid, Vol. 29, 321-335.
- Widiyanto, D., 2014, Gubernur DIY Resmikan Embung Kleco, <http://krjogja.com/read/242591/gubernur-diy-resmikan-embung-kleco.kr>, [diakses tanggal 22 April 2015].
- Wu, Y. dan Chen, J., 2012, *Estimating Irrigation Water Demand using an Improved Method and Optimizing Reservoir Operation for Water supply and Hydropower Generation: A Case Study of the Xinfengjiang Reservoir in Southern China*, Agricultural Water Management, Vol. 116, 110-121.