

## DAFTAR PUSTAKA

- ANSYS, 2017, *ANSYS Fluent Theory Guide*, SAS IP, Pennsylvania
- ANSYS, 2017, *ANSYS Fluent Users Guide*, SAS IP, Pennsylvania.
- Bradley, D., (1965), *The hydrocyclone*, 1<sup>st</sup> ed., Pergamon Press Ltd, London
- Brown, K, (2011), *Thermodynamics and Kinetics of Silica Scaling*, Proceedings International Workshop on Mineral Scaling, New Zealand
- Chillers, J.J., (2000), *Hydrocyclones for Particle Size Separation*, UMIST, Manchester, UK
- Coelho, M.A.Z, Medronho, R.A., (2000). *A model for performance prediction of hydrocyclones*, Chemical Engineering Journal 84, Brazil
- Rajesh Khatri, Pankaj Agrawal, Mohan Gupta, & Jitendra Verma. (2012). *Laminar Flow Analysis Over a Flat Plate by Computational Fluid Dynamics*. International Journal of Advances in Engineering & Technology
- Medronho, R.A., Castilho, L.R., (2000), *A Simple Procedure for Design and Performance Prediction of Bradley and Rietema Hydrocyclones*, Minerals Engineering, Vol. 13, No. 2, Pp. 183-191
- Moukalled, F., Mangani, L., & Darwish, M. (2016). *The Finite Volume Method in Computational Fluid Dynamics*. Horw: Springer.
- Munson, B. R., Young, D. F., & Okiishi, T. H. (2013). *Fundamental of Fluid Mechanics Fourth Edition*. Dalam Harinaldi, & Budiarso, *Mekanika Fluida Edisi Keempat*. Jakarta: Erlangga.



Nugraha, T. (2018, April 28). Lapisan Batas Boundary Layer. Diambil kembali dari Academia.edu:[http://www.academia.edu/24205675/Lapisan\\_Batas\\_Boundary\\_Layer](http://www.academia.edu/24205675/Lapisan_Batas_Boundary_Layer)

Pambudi N.A., Ryuichi Itoi, Saeid Jalilinasraby, & Mert Gürtürk, (2018), *Sustainability of geothermal power plant combined with thermodynamic and silica scaling model*, Geothermics 71

Pambudi N.A., Ryuichi Itoi, Rie Yamashiro, Boy Yoseph C.S.A., Loren Tusara, Saeid Jalilinasraby, & Jaelani Khasani, (2015), *The behavior of silica in geothermal brine from Dieng geothermal power plant, Indonesia*, Geothermics 54

Permana, M.I.P, Cukup Mulyana, & Naufal Nandaliarasyad, 2016, Kajian Silica Scaling Pada Pembangkit Listrik Tenaga Panas Bumi (Geothermal), Proseding Seminar Nasional Fisika dan Aplikasinya, Universitas Padjajaran, Jatinangor

Polii, Jefferson, (2017), Pemodelan Penurunan Tekanan *brine* di Dalam Pipa, Jurnal Mipa Unsrat Online 6(2) 32-35

Rubio, V.S., (2009), Design of an Energy-saving Hydrocyclone for Wheat Starch Separation, Växjö University, Sweden

Sherwood, D., & Whistance, D. (1980). *The 'Piping Guide'*. Dalam D. R. Sherwood, & D. J. Whistance, *The 'Piping Guide'*. San Fransisco: Syentek Books Company Inc.

Stober, Ingrid, Bucher, Kurt, (2013), *Geothermal Energy from Theoretical Models to Exploration and Development*, Springer Publishing, New York

Swain, Sonali, M. Swati, (2012), *A 3-dimensional Eulerian–Eulerian CFD simulation of a hydrocyclone*, Applied Mathematical Modelling 37, SIR-Institute of Minerals & Materials Technology, India



UNIVERSITAS  
GADJAH MADA

SIMULASI ALIRAN DUA FASE CAIR-PADAT (SILIKA) DALAM PROSES PEMISAHAN SILIKA DI HYDROCYCLONE SEPARATOR  
PADA PEMBANGKIT LISTRIK TENAGA PANAS BUMI (PLTP)  
ALBERTUS WHISNU L F, Dr. Eng. Khasani, S.T., M.Eng

Universitas Gadjah Mada, 2019 | Diunduh dari <http://etd.repository.ugm.ac.id/>

Tuakia, F., 2008, Dasar-dasar CFD Menggunakan Fluent, Informatika Bandung, Bandung.

Vakamalla, T.R., Koruprolu V.B.R., Rakesh Arugonda, & Narasimha Mangadoddy, (2016), *Development of Novel hydrocyclone Designs for Improved Fines Classification Using Multiphase CFD Model*, Separation and Purification Technology. India

Valdimarsson, Páll, 2011, *Geothermal Power Plant Cycles and Main Components*, University of Iceland, Iceland

Versteeg, H. K., and Malalasekera, W., 2007, *An Introduction to Computational Fluid Dynamics: The Finite Volume Method*, 2<sup>nd</sup> Ed., Pearson Education Ltd., Glasgow.

Rendra Wahyudityo, Harto A.W., & Kutut Suryopratomo (2013), Analisis Scaling Silika pada Pipa Injeksi Brine di Lapangan Panas Bumi Dieng dengan Studi Kasus di PT. Geo Dipa Energi, *TEKNOFISIKA*, Vol.2 No.1, Universitas Gadjah Mada, Yogyakarta

Wang, B., K. W. Chu, & A. B. Yu, (2007), *Numerical Study of Particle-Fluid Flow in a hydrocyclone*, University of New South Wales, Australia

World Bank Group, 2015, *Fossil Fuel Consumption* (2 Maret 2018). Diambil kembali dari: <https://data.worldbank.org/indicator/EG.USE.COMM.FO.ZS>

Sadiq J. Zarrouk, Blair C. Woodhurst, & Chris Morris, (2014), *Silica Scaling in Geothermal Heat Exchangers and Its Impact on Pressure Drop and Performance: Wairakei Binary Plant, New Zealand*, *Geothermics* 1, University of Auckland, New Zealand