



## DAFTAR PUSTAKA

- [1] Sekretariat Jenderal Dewan Energi Nasional. *Handbook of Energi and Economic Statistics of Indonesia*. Pusdatin ESDM, Jakarta, 2018.
- [2] Nugroho Agung Pambudi. “Geothermal power generation in Indonesia, a country within the ring of fire: Current status, future development and policy”. *Renewable and Sustainable Energy Reviews*, 81:2893–2901, 2018.
- [3] Kevin L Brown. *Mineral scaling in geothermal power production*. United Nations University, Iceland, 2013.
- [4] Ronald DiPippo. *Geothermal Power Plants: Principles, Applications, Case Studies and Envirometal Impact*. 2008.
- [5] Kam W.Li, A. Paul Priddy. *Power Plant System Design*.
- [6] Sekretariat Jenderal Dewan Energi Nasional. *Outlook Energi Indonesia 2017*. Sekretariat Jenderal Dewan Energi Nasional, Jakarta, 2017.
- [7] Nir Wolf dan Amnon Gabbay. “Sarulla 330 MW Geothermal Project Key Success Factors in Development”. *Proceedings World Geothermal Congress*, hal. – , Melbourne, Australia, 19 – 25 April 2015.
- [8] Andi Joko Nugroho. *Optimization of Electrical Power Production from High-Temperature Geothermal Fields with Respect to Silica Scaling Problems*. Tesis, School of Engineering and Natural Sciences Faculty of Mechanical Engineering University of Iceland, Iceland, 2011.
- [9] Pusat Studi Ilmu Teknik. *Design of Front End Engineering Design (FEED) Fluid Collection and Reinjection System Karaha Project*.
- [10] Akshay Hattiangadi. *Working Fluid Design for Organic Rankine Cycle (ORC) Systems*. Tesis, Faculty of Applied Sciences (TNW) Delft University of Technology, Delft, 2013.
- [11] Israel Urieli. *The Psychrometric Chart and Air-Conditioning Processes*. Diakses dari [https://www.ohio.edu/mechanical/thermo/Applied/Chapt.7\\_11/Chapter10b.html](https://www.ohio.edu/mechanical/thermo/Applied/Chapt.7_11/Chapter10b.html), 11 November 2018.
- [12] Andi Joko Nugroho. *Evaluation of waste brine utilization from LHD unit III for electricity generation in Lahendong geothermal field, Indonesia*. Geothermal Training Programme, United Nations University Reykjavik, Iceland, 2007.
- [13] Sekretariat Jenderal Dewan Energi Nasional. *Rencana Strategis Kementerian Energi dan Sumber Daya Mineral 2015-2019*. Sekretariat Jenderal Dewan Energi Nasional, Jakarta, 2015.



- [14] National Energy Council. *Technology Data for the Indonesian Power Sector*. National Energy Council, Jakarta, 2017.
- [15] Alexander Richter. *First low-temperature geothermal plant commissioned in Lahendong, Indonesia*. Diakses dari <http://www.thinkgeoenergy.com/first-low-temperature-geothermal-plant-commissioned-in-lahendong-indonesia/>, 11 November 2018.
- [16] Alexander Richter. *330 MW Sarulla geothermal plant in Indonesia completed with third unit online*. Diakses dari <http://www.thinkgeoenergy.com/330-mw-sarulla-geothermal-plant-in-indonesia-completed-with-third-unit-online/>, 11 November 2018.
- [17] William Lajousky / Sarulla Operation Limited. “Sarulla Geothermal Power Project 3 x 110 MW”. Kuliah, *6th International Geothermal Workshop*, Bandung Institute of Technology, Bandung, 22 Maret 2017.
- [18] Cengel Y A. *THERMODYNAMICS AN ENGINEERING APPROACH 8th Ed.* McGraw-Hill Education, New York, 2015.
- [19] Fournier R.O. dan Rowe J.J. “The solubility of amorphous silica in water at high temperatures and pressures”. *American Mineralogist*, 62:1052–1056, 1977.
- [20] Daeil Aqua Co Ltd. *Cooling Tower Thermal Design Manual*. 2004.
- [21] Ernest E Ludwig. *Applied Process Design For Chemical and Petrochemical Plants Vol 2*. Gulf Professional Publishing, 1994.
- [22] Ian H. Bell, Jorrit Wronski, Sylvain Quoilin dan Vincent Lemort. “Pure and pseudo-pure fluid thermophysical property evaluation and the open-source thermophysical property library coolprop”. *Industrial & Engineering Chemistry Research*, 53(6):2498–2508, 2014.
- [23] Ayu Setya Ismawati. *Analisis Eksperimen Pembangkit Listrik Tenaga Panas Bumi Siklus Biner dengan Regenerative Organic Rankine Cycle (RORC)*. Skripsi, Jurusan Teknik Kimia, Fakultas Teknik, Universitas Indonesia, Depok, 2012.
- [24] Tubagus Dimas Aditiarachman. *Perancangan Sistem Pembangkit Daya Siklus Rankine Organik dengan Air Panas Buang Geothermal: Sub Unit Menara Pendingin*. Skripsi, Jurusan Teknik Fisika, Fakultas Teknik, Universitas Gadjah Mada, Yogyakarta, 2015.
- [25] *SAFETY DATA SHEET, Isopentane*. CHEMOGAS NV, Grimbergen, Belgium, 2013.
- [26] Robbert H. Perry. *Perry's Chemical Engineer's Handbook 8th Edition*.



UNIVERSITAS  
GADJAH MADA

Perancangan Sistem Pembangkit Daya Siklus Rankine Organik dengan Air Panas Buangan  
Geothermal: Studi

Kasus Fluid Collection and Rejection System Area Karaha

ZAKARIA WICAKSONO, Dr.-Ing Sihana;Ir. Kutut Suryopratomo, M.T.,M.Sc.

Universitas Gadjah Mada, 2020 | Diunduh dari <http://etd.repository.ugm.ac.id/>

- [27] Jonny Goyal. *Effective Thermal Design Of Cooling Towers*. Air Liquide Engineering and Construction, Lurgi India.
- [28] D.G. Kroger J.C. Kloppers. “Cooling tower performance: A critical evaluation of the market assumptions”. *R & D Journal*, 20(1):24–29, 2004.
- [29] Johannes C. Kloppers dan Detlev G. Kroger. “Cooling Tower Performance Evaluation: Merkel, Poppe, and e -NTU Methods of Analysis”. *Journal of Engineering for Gas Turbines and Power*, 127:1–7, 2005.