DAFTAR PUSTAKA

Amponsah, N. Y., Troldborg, M., Kington, B., Aalders, I., & Hough, R. L. (2014). Greenhouse gas emissions from renewable energy sources: A review of lifecycle considerations. *Renewable and Sustainable Energy Reviews*, *39*, 461–475. https://doi.org/10.1016/j.rser.2014.07.087

Anderson, A., & Rezaie, B. (2019). Geothermal technology: Trends and potential role in a sustainable future. *Applied Energy*, *248*(February), 18–34. https://doi.org/10.1016/j.apenergy.2019.04.102

Annisa, R., & Rahardyan, B. (2018). *Life Cycle Assessment Applications To The Dry Steam Geothermal Power Generation (Case Study : Star Energy Geothermal Wayang Windu , Ltd , Indonesia). 2*(2), 1–10.

Azapagic, A. (1999). Life cycle assessment and its application to process selection, design and optimisation. *Chemical Engineering Journal*, *73*(1), 1–21. https://doi.org/10.1016/S1385-8947(99)00042-X

Bargagli, R., Cateni, D., Nelli, L., Olmastroni, S., & Zagarese, B. (1997). Environmental Impact of Trace Element Emissions from Geothermal Power Plants Environmental Contamination a n d Toxicology. *Arch. Environ. Contam. Toxicol*, *33*, 172–181.

Bayer, C., Gentry, R., & Joshi, S. (2006). *AIA Guide to Building Life Cycle Assessment in Practice*.

Bayer, P., Rybach, L., Blum, P., & Brauchler, R. (2013). Review on life cycle environmental effects of geothermal power generation. *Renewable and Sustainable Energy Reviews*, *26*, 446–463. https://doi.org/10.1016/j.rser.2013.05.039

Bhagaloo, K., Ali, R., Baboolal, A., & Ward, K. (2022). Powering the sustainable transition with geothermal energy: A case study on Dominica. *Sustainable Energy Technologies and Assessments*, *51*(December 2021). https://doi.org/10.1016/j.seta.2021.101910

Chen, S., Zhang, Q., Andrews-Speed, P., & Mclellan, B. (2020). Quantitative assessment of the environmental risks of geothermal energy: A review. *Journal of Environmental Management*, *276*(July), 111287. https://doi.org/10.1016/j.jenvman.2020.111287

Clark, C. E., Harto, C. B., Sullivan, J. L., & Wang, M. Q. (2010). Water Use in the Development and Operation of Geothermal Power Plants. *Energy System Division*,

Argonne National Laboratory, *January*, 1–87. https://doi.org/10.2172/1013997

Davraz, A., Aksever, F., & Afsin, M. (2017). Assessment of stream water chemistry and impact of geothermal fluid in the up-Buyuk Menderes Basin, Turkey. *Environmental Science and Pollution Research*, *24*(34), 26806–26820. https://doi.org/10.1007/s11356-017-0302-x

Dhar, A., Naeth, M. A., Jennings, P. D., & Gamal El-Din, M. (2020). Geothermal energy resources: Potential environmental impact and land reclamation. *Environmental Reviews*, *28*(4), 415–427. https://doi.org/10.1139/er-2019-0069

Ermawati, T., Dwiastuti, I., Purwanto, & Negara, S. D. (2014). Pengembangan Industri Energi Alternatif: Studi Kasus Energi Panas Bumi Indonesia. Jakarta: LIPI Press.

Geoelec. (2013). *Environmental study on geothermal power*.

Goedkoop, M., Oele, M., Leijting, J., Ponsioen, T., & Meijer, E. (2016). Introduction to LCA with SimaPro Colophon. *Introduction to LCA with SimaPro*, *November*.

Hanbury, O., & Vasquez, V. R. (2018). Life cycle analysis of geothermal energy for power and transportation: A stochastic approach. *Renewable Energy*, *115*, 371–381. https://doi.org/10.1016/j.renene.2017.08.053

IFC. (2007). Environmental, Health, and Safety Guidelines for Geothermal Power Generation.

ISO 14040. (2006). Environmental management — Life cycle assessment — Principles and framework. Second edition. *Iso 14040*, *41*(5), 1628–1634.

Jack, Sullivan; Colin, Clark; Jin Han; M, W. (2010). *Life-Cycle Analysis Results of Geothermal Systems in Comparison to Other Power Systems*. Argonne National Laboratory, https://doi.org/10.2172/993694.

Jolliet, O., Brent, A., Goedkoop, M., Itsubo, N., Mueller-Wenk, R., Peña, C., Schenk, R., Stewart, M., Weidema, B. P., Bare, J., Heijungs, R., Pennington, D., Rebitzer, G., Suppen, N., & Haes, H. U. De. (2003). Final report of the LCIA Definition study. *Life Cycle Impact Assessment Programme of the UNEP/SETAC Life Cycle Initiative*, 55.

Khaghani, A., Date, A., & Akbarzadeh, A. (2013). Sustainable removal of non-condensable gases from geothermal waters. *Renewable and Sustainable Energy Reviews*, *21*, 204–214. https://doi.org/10.1016/j.rser.2012.12.001

Manente, G., Lazzaretto, A., Bardi, A., & Paci, M. (2019). Geothermal power plant layouts

with water absorption and reinjection of H2S and CO2 in fields with a high content of non-condensable gases. *Geothermics*, *78*(November 2018), 70–84. https://doi.org/10.1016/j.geothermics.2018.11.008

Ozcan, N. Y., & Gokcen, G. (2013). Performance analysis of single-flash geothermal power plants: Gas removal systems point of view. *Geothermal Energy, Technology and Geology*, *April*, 227–260.

Paulillo, A., Kim, A., Mutel, C., Striolo, A., Bauer, C., & Lettieri, P. (2021). Erratum to "Influential parameters for estimating the environmental impacts of geothermal power: A global sensitivity analysis study" [Clean. Environ. Syst. 3 (2021) 100054]. *Cleaner Environmental Systems*, *3*(August), 100067. https://doi.org/10.1016/j.cesys.2021.100067

Paulillo, A., Striolo, A., & Lettieri, P. (2019). The environmental impacts and the carbon intensity of geothermal energy: A case study on the Hellisheiði plant. *Environment International*, *133*(June), 105226. https://doi.org/10.1016/j.envint.2019.105226

Pratiwi, A., Ravier, G., & Genter, A. (2018). Life-cycle climate-change impact assessment of enhanced geothermal system plants in the Upper Rhine Valley. *Geothermics*, *75*(March), 26–39. https://doi.org/10.1016/j.geothermics.2018.03.012

Sadhukhan, J. (2022). Net zero electricity systems in global economies by life cycle assessment (LCA) considering ecosystem, health, monetization, and soil CO2 sequestration impacts. *Renewable Energy*, *184*, 960–974. https://doi.org/10.1016/j.renene.2021.12.024

Tomasini-Montenegro, C., Santoyo-Castelazo, E., Gujba, H., Romero, R. J., & Santoyo, E. (2017). Life cycle assessment of geothermal power generation technologies: An updated review. *Applied Thermal Engineering*, *114*(2017), 1119–1136. https://doi.org/10.1016/j.applthermaleng.2016.10.074

Wang, Y., Du, Y., Wang, J., Zhao, J., Deng, S., & Yin, H. (2020). Comparative life cycle assessment of geothermal power generation systems in China. *Resources, Conservation and Recycling*, *155*(September 2019) . https://doi.org/10.1016/j.resconrec.2019.104670

Yu, T., Looijen, J. M., & van der Meer, F.D. Willemsen, N. (2017). A life cycle assessment based comparison of large & small scale geo-thermal electricity production systems. *Proceedings of the 5th Indonesia International Geothermal Convention & Exhibition*, 2–4.