

DAFTAR PUSTAKA

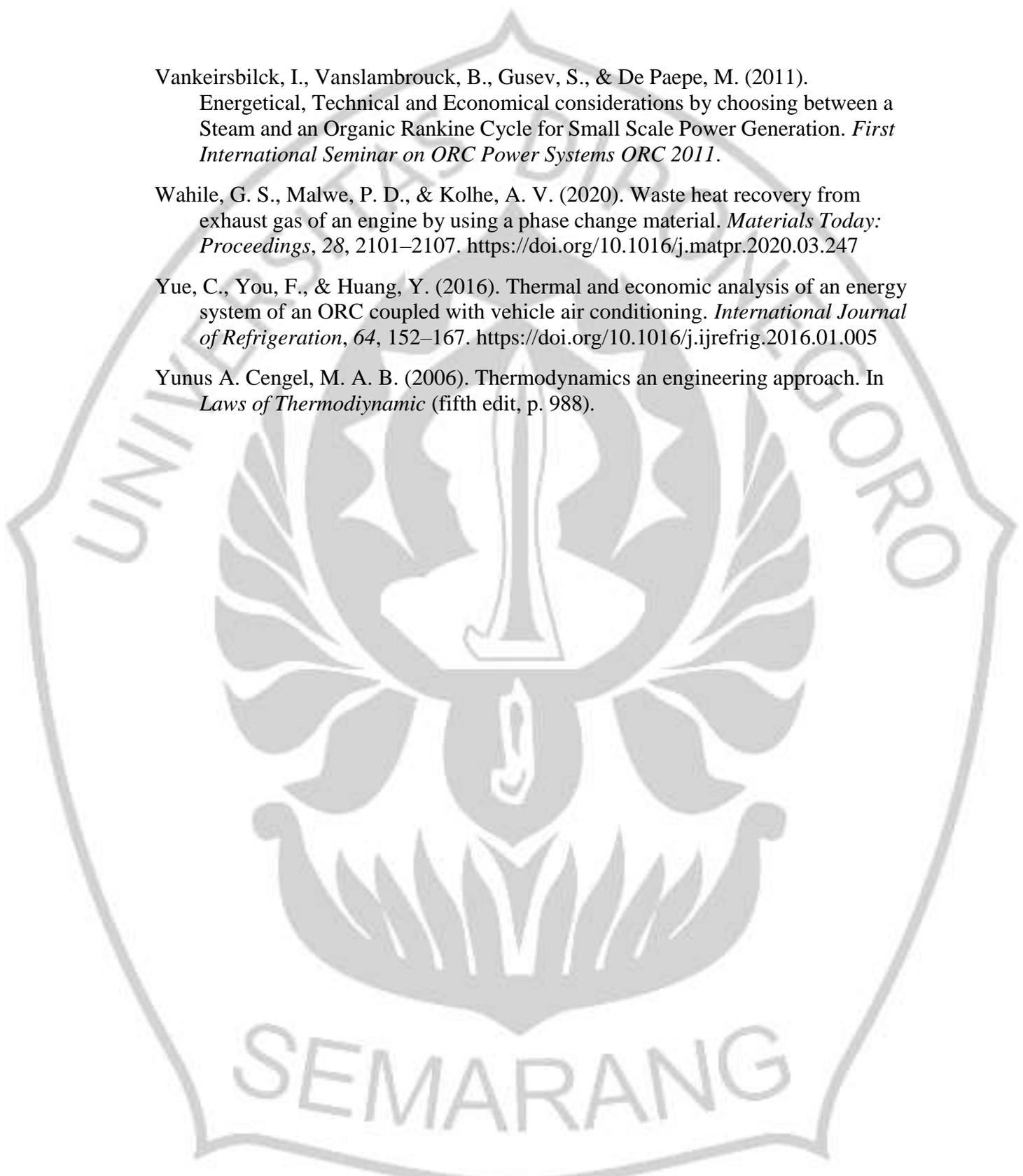
- Ahamed, J. U., Saidur, R., & Masjuki, H. H. (2011). A review on exergy analysis of vapor compression refrigeration system. *Renewable and Sustainable Energy Reviews*, 15(3), 1593–1600. <https://doi.org/10.1016/j.rser.2010.11.039>
- Ashwni, & Sherwani, A. F. (2022). Analysis of solar energy driven organic Rankine cycle-vapor compression refrigeration system. *Thermal Science and Engineering Progress*, 35(September), 101477. <https://doi.org/10.1016/j.tsep.2022.101477>
- Aziz, A., & Herisiswanto. (2009). Pengembangan Energy Efficient Residential AirConditioning Systems Dengan Encapsulated IceThermal Energy Storage Berbasis Mesin RefrigerasiKompresi Uap Menggunakan RefrigeranHidrokarbon Substitusi R-22 Yang Ramah Lingkungan. *Laporan Penelitian, April*. <https://doi.org/10.13140/RG.2.1.1443.6243>
- Bahrani, S., & Sheikhi, A. (2015). *An Optimal Feed-In-Tariff Policy for Renewable Energies Using A Markov Model*. 1(1), 1–8.
- Connelly, L., & Koshlandbs, P. (1997). *Two aspects of consumption : using an exergy-based measure of degradation to advance the theory and implementation of industrial ecology*. 19, 199–217.
- Cui, M., Wang, B., Wei, F., & Shi, W. (2022). A modified exergy analysis method for vapor compression systems: Splitting refrigerant exergy destruction. *Applied Thermal Engineering*, 201(PA), 117728. <https://doi.org/10.1016/j.applthermaleng.2021.117728>
- Dai, Y., Wang, J., & Gao, L. (2009). Parametric optimization and comparative study of organic Rankine cycle (ORC) for low grade waste heat recovery. *Energy Conversion and Management*, 50(3), 576–582. <https://doi.org/10.1016/j.enconman.2008.10.018>
- Dincer, I. (2018). Exergy. In *Comprehensive Energy Systems: Volumes 1-5 (Vol. 1)*. <https://doi.org/10.1016/B978-0-12-809597-3.00106-1>
- Dincer, I., & Bicer, Y. (2020). Fundamentals of energy systems. In *Integrated Energy Systems for Multigeneration*. <https://doi.org/10.1016/b978-0-12-809943-8.00002-9>
- Dincer, I., & Zamfirescu, C. (2018). Thermodynamic Aspects of Energy. In *Comprehensive Energy Systems: Volumes 1-5 (Vol. 1, Issue m)*. <https://doi.org/10.1016/B978-0-12-809597-3.00105-X>
- Hansen, J., Sato, M., Kharecha, P., Beerling, D., Berner, R., Masson-Delmotte, V., Pagani, M., Raymo, M., Royer, D. L., & Zachos, J. C. (2008). Target

Atmospheric CO: Where Should Humanity Aim? *The Open Atmospheric*



- Science Journal*, 2(1), 217–231. <https://doi.org/10.2174/1874282300802010217>
- Hoon Kim, K., & Han, C. H. (2016). Energy and Exergy Analysis of Condenser in Organic Rankine Cycle Depending on Condensation Temperatures. *International Journal of Mechanical And Production Engineering*, 4, 2320–2092.
- Kanoğlu, M., Çarpınlioğlu, M. Ö., & Yildirim, M. (2004). Energy and exergy analyses of an experimental open-cycle desiccant cooling system. In *Applied Thermal Engineering* (Vol. 24, Issues 5–6, pp. 919–932). <https://doi.org/10.1016/j.applthermaleng.2003.10.003>
- Kharagpur, I. (2019). *Lesson 10-Vapour Compression Refrigeration Systems*. 1–18. [https://nptel.ac.in/courses/112105129/pdf/RAC Lecture 10.pdf](https://nptel.ac.in/courses/112105129/pdf/RAC%20Lecture%2010.pdf)
- Li, H., Bu, X., Wang, L., Long, Z., & Lian, Y. (2013a). Hydrocarbon working fluids for a Rankine cycle powered vapor compression refrigeration system using low-grade thermal energy. *Energy and Buildings*, 65, 167–172. <https://doi.org/10.1016/j.enbuild.2013.06.012>
- Li, H., Bu, X., Wang, L., Long, Z., & Lian, Y. (2013b). Hydrocarbon working fluids for a Rankine cycle powered vapor compression refrigeration system using low-grade thermal energy. *Energy & Buildings*, 65, 167–172. <https://doi.org/10.1016/j.enbuild.2013.06.012>
- Masson-Delmotte, V. (2023). *Climate change 2021 : the physical science basis : Working Group I contribution to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change*. 2023. <https://doi.org/10.1017/9781009157889>
- Michael J. Moran, Howard N. Shapiro, Daisie D. Boettner, M. B. B. (1986). *FUNDAMENTALS OF ENGINEERING THERMODYNAMICS* (Eighth Edi). Don Fowley.
- Moran, M. J., & Shapiro, H. N. (2021). *FUNDAMENTALS OF ENGINEERING THERMODYNAMICS*. In *Design and Performance Optimization of Renewable Energy Systems* (Fifth Edit). <https://doi.org/10.1016/B978-0-12-821602-6.00004-3>
- Morosuk, T., & Tsatsaronis, G. (2009). Advanced exergetic evaluation of refrigeration machines using different working fluids. *Energy*, 34(12), 2248–2258. <https://doi.org/10.1016/j.energy.2009.01.006>
- Pektezeli, O., & Acar, H. I. (2019). Energy and exergy analysis of combined organic rankine cycle-single and dual evaporator vapor compression refrigeration cycle. *Applied Sciences (Switzerland)*, 9(23). <https://doi.org/10.3390/app9235028>

- Press, A. (2016). *Morningglory Competition in Soybeans* Author (s): H . P . Wilson and R . H . Cole Published by : Weed Science Society of America and Allen Press Stable URL : <http://www.jstor.org/stable/4041122> Accessed : 22-06-2016 21 : 58 UTC Your use of the JSTOR arch. 14(1), 49–51.
- Saleh, B. (2016). Parametric and working fluid analysis of a combined organic Rankine-vapor compression refrigeration system activated by low-grade thermal energy. *Journal of Advanced Research*, 7(5), 651–660. <https://doi.org/10.1016/j.jare.2016.06.006>
- Saleh, B. (2018). Energy and exergy analysis of an integrated organic Rankine cycle-vapor compression refrigeration system. *Applied Thermal Engineering*, 141(January), 697–710. <https://doi.org/10.1016/j.applthermaleng.2018.06.018>
- Saleh, B., Aly, A. A., Alogla, A. F., Aljuaid, A. M., Alharthi, M. M., Ahmed, K. I. E., & Hamed, Y. S. (2019). Performance investigation of organic Rankine-vapor compression refrigeration integrated system activated by renewable energy. *Mechanics and Industry*, 20(2). <https://doi.org/10.1051/meca/2019023>
- Saleh, B., Koglbauer, G., Wendland, M., & Fischer, J. (2007). Working fluids for low-temperature organic Rankine cycles. *Energy*, 32(7), 1210–1221. <https://doi.org/10.1016/j.energy.2006.07.001>
- Sciacovelli, A., Verda, V., & Sciubba, E. (2015). Entropy generation analysis as a design tool - A review. *Renewable and Sustainable Energy Reviews*, 43, 1167–1181. <https://doi.org/10.1016/j.rser.2014.11.104>
- Sheikhi, A., Ranjbar, A. M., & Oraee, H. (2012). Financial analysis and optimal size and operation for a multicarrier energy system. *Energy and Buildings*, 48, 71–78. <https://doi.org/10.1016/j.enbuild.2012.01.011>
- Solanki, N., Arora, A., & Singh, R. K. (2023). Advance exergy and coefficient of structural bond analysis of dedicated mechanical subcooled vapor compression refrigeration system. *International Journal of Refrigeration*, 153(May), 266–280. <https://doi.org/10.1016/j.ijrefrig.2023.06.008>
- Stewart, K. (2023). (Invalid Date). In *Laws of Thermodynamic*. Encyclopedia Britannica. <https://www.britannica.com/science/laws-of-thermodynamics>
- Stoecker, W. . (1979). Refrigeration and Air Conditioning, Second Edition. *McGraw Hill, Singapore*, 90(4), 667–670.
- Sun, W., Yue, X., & Wang, Y. (2017). Exergy efficiency analysis of ORC (Organic Rankine Cycle) and ORC-based combined cycles driven by low-temperature waste heat. *Energy Conversion and Management*, 135, 63–73. <https://doi.org/10.1016/j.enconman.2016.12.042>

- 
- Vankeirsbilck, I., Vanslambrouck, B., Gusev, S., & De Paepe, M. (2011). Energetical, Technical and Economical considerations by choosing between a Steam and an Organic Rankine Cycle for Small Scale Power Generation. *First International Seminar on ORC Power Systems ORC 2011*.
- Wahile, G. S., Malwe, P. D., & Kolhe, A. V. (2020). Waste heat recovery from exhaust gas of an engine by using a phase change material. *Materials Today: Proceedings*, 28, 2101–2107. <https://doi.org/10.1016/j.matpr.2020.03.247>
- Yue, C., You, F., & Huang, Y. (2016). Thermal and economic analysis of an energy system of an ORC coupled with vehicle air conditioning. *International Journal of Refrigeration*, 64, 152–167. <https://doi.org/10.1016/j.ijrefrig.2016.01.005>
- Yunus A. Cengel, M. A. B. (2006). Thermodynamics an engineering approach. In *Laws of Thermodynamic* (fifth edit, p. 988).

LAMPIRAN A. Program Simulasi Software *Engineering Equation Solver* (EES)

"Diketahui"

```
{Fluid$ = 'R1234ze(E)}  
{Fluid$ = 'R152a'}  
{Fluid$ = 'RC318'}  
{Fluid$ = 'R236fa'}  
{Fluid$ = 'RE245cb2'}  
{Fluid$ = 'R600a'}  
{Fluid$ = 'R236ea'}  
{Fluid$ = 'R245fa'}
```

```
To=25+273.15  
Po =101.325 "kPa"  
{eff_pompa= 0.8}
```

```
"Dead State"  
"Dead state"  
"efisiensi pompa"
```