



DAFTAR PUSTAKA

- [1] BMKG, “Tren Suhu,” [Online]. Available: <https://www.bmkg.go.id/iklim/?p=tren-suhu>. [Diakses 4 1 2022].
- [2] ASHRAE, “ANSI/ASHRAE Standard 55-2017: Thermal Environmental Conditions of Human Occupancy,” ASHRAE, Atlanta, 2017.
- [3] BMKG, “Anomali Suhu Udara Rata-rata Tahunan,” [Online]. Available: <https://www.bmkg.go.id/iklim/?p=ekstrem-perubahan-iklim#:~:text=Berdasarkan%20data%20dari%2089%20stasiun,adalah%20sebesar%2027.0%20oC>. [Diakses 4 1 2022].
- [4] D. Oppelt, H. Herlianika dan I. Papst, “Inventarisasi Gas Rumah Kaca di Sektor Refrigeration dan Air Conditioning (RAC) Indonesia,” Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, Jakarta, 2017.
- [5] Suharyati, S. H. Pambudi, J. L. Wibowo dan N. I. Pratiwi, “Outlook Energi Indonesia 2019,” Dewan Energi Nasional, Jakarta, 2019.
- [6] IIR/IIF, “The Role of Refrigeration in the Global Economy (2019), 38th Note on Refrigeration Technologies,” IIF-IIR, Paris, 2019.
- [7] PLN, "Rencana Usaha Penyediaan Listrik Tahun 2017 - 2026," PLN, Jakarta, 2017.
- [8] Y. A. Cengel dan M. A. Boles, Thermodynamics : An Engineering Approach, 5nd penyunt., New York: McGraw-Hill, 2006.
- [9] W. Goetzler, R. Zogg, J. Young dan C. Johnson, “Energy Savings Potential and RD&D Opportunities For Non-vapor-compression HVAC Technologies,” U.S. Department of Energy, Washington D.C., 2014.
- [10] M. Cui, B. Wang, F. Wei dan W. Shi, “A Modified Exergy Analysis Method for Vapor Compression Systems : Splitting Refrigerant Exergy Destruction,” *Applied Thermal Engineering* , vol. 201, 2022.
- [11] I. Dincer dan M. A. Rosen, Exergy Analysis of Heating, Refrigerating, and Air Conditioning, 1st penyunt., Elsevier, 2015.





- [12] S. Kelly, G. Tsatsaronis dan T. Morosuk, "Advanced exergetic analysis: Approaches for splitting the exergy destruction," *Energy* 34, pp. 384-391, 2009.
- [13] S. Qian, N. Dennis, A. Rhoads, Y. Wang, Y. Geng, Y. Hwang, R. Radermacher dan I. Takeuchi, "Not-in-kind cooling technologies: A quantitative comparison of refrigerants and system performance," *International Journal of Refrigeration*, vol. 63, pp. 177-192, 2016.
- [14] J. Sun, W. Li dan B. Cui, "Energy and exergy analyses of R513a as a R134a drop-in replacement in a vapor compression refrigeration system," *International Journal of Refrigeration*, vol. 112, pp. 348-356, 2020.
- [15] J. Ahamed, R. Saidur dan H. Masjuki, "Review on exergy analysis of vapor compression refrigeration system," *Renewable and Sustainable Energy Reviews*, vol. 15, no. 3, pp. 1593-1600, 2011.
- [16] R. Lopez, M. Vaca, H. Terres, A. Lizardi, S. Chavez dan A. Lara, "Energy and exergy analyses of a portable air conditioner system," *Journal of Physics*, p. 1723, 2020.
- [17] M. Bilgili, A. Ozbek, A. Yasar, E. Simsek dan B. Sahin, "Effect of atmospheric temperature on exergy efficiency and destruction of a typical residential split air conditioning system," *International Journal of Exergy*, vol. 20, pp. 66-84, 2016.
- [18] F. Abam, D. Onyejekwe dan G. Unachukwu, "The effect of ambient temperature on components performance of in-service Gas Turbine Plant using exergy method," *Singapore Journal of Scientific Research*, vol. 1, pp. 23-37, 2011.
- [19] O. F. Homzah, "Analisa Performasi Pada Menara Pendingin Dengan Menggunakan Analisis Eksbergi," *Jurnal Desiminasi Teknologi*, vol. 2, no. 1, 2014.
- [20] E. Yohana, R. Romadhon, B. Luhung, I. Fernando and M. Tony Suryo Utomo, "Cooling Load and Exergy Destruction Analysis in Air Conditioning Operation Room with Ambient Temperature Variation," *ICENIS 2018*, vol. 73, p. 4, 2018.
- [21] L. O. Musa, Apollo, A. Syahrunnisa dan M. Yusuf, "Exergy Analysis on Thermal Power Plant PT. Makassar Tene Using Cycle-Tempo 5," *Sinergi*, vol. 16, no. 2, pp. 169-180, 2018.





UNIVERSITAS
GADJAH MADA

Evaluasi Performansi Sistem Refrigerasi Kompresi Uap Menggunakan Analisis Eksergi yang Dimodifikasi

Studi Kasus Air Conditioner Tipe Split

Riza Prasetyo, Dr.Eng. M. Kholid Ridwan, S.T., M.Sc.;Dr. Ir. Andang Widi Harto, M.T.

Universitas Gadjah Mada, 2023 | Diunduh dari <http://etd.repository.ugm.ac.id/>

- [22] M. J. Moran, H. N. Shapiro, D. D. Boettner and B. M. B., Fundamentals of Engineering Thermodynamics, New York: John Wiley & Sons, Inc. , 2018.
- [23] I. Dincer and M. Kanoglu, Refrigeration Systems and Applications, 2nd ed., Chichester: John Wiley & Sons, 2010.
- [24] MathWork, “Refrigeration Cycle (Air Conditioning),” The MathWorks Inc., [Online]. Available: <https://www.mathworks.com/help/hydro/ug/residential-refrigeration-unit.html>.
- [25] I. E. Commission, Electrical Energy Storage : White Paper, Geneva: IEC, 2011.
- [26] IPCC, “AR4 Climate Change 2007: Synthesis Report,” NOAA, 2007.

