

DAFTAR PUSTAKA

- The Engineering ToolBox*. (n.d.). Retrieved January 17, 2015, from http://www.engineeringtoolbox.com/fluids-evaporation-latent-heat-d_147.html
- Agrawal, N., and Bhattacharyya, S. (2008). Optimized transcritical CO₂ heat pumps: Performance comparison of capillary tubes against expansion valves. *International Journal of Refrigeration*, 388 – 395.
- ASHRAE. (2009). *Fundamentals (SI)*. Atlanta, GA 30329: American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
- ASHRAE. (2006). *REFRIGERATION*. Atlanta: American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
- Bachu, S., Simbeck, D., Kelly, and Thambimuthu. *IPCC Special Report on Carbon dioxide Capture and Storage*.
- Bjerketvedt, D., Bakke, J. R., and Wingerden, K. v. (2009). *Gas Explosion Handbook*. Christian Michelsen Research's (CMR) research programme.
- Borgnakke, C., and Sonntag, R. E. (2008). *Fundamentals of Thermodynamics*. John Wiley and Sons, Inc.
- Cecchinato, L., Chiarello, M., Corradi, M., Fornasieri, E., Minetto, S., Stringari, P., et al. (2009). Thermodynamic analysis of different two-stage transcritical carbon dioxide cycles. *International Journal Of Refrigeration*, 1058 – 1067.
- Cengel, Y. A., and Boles, M. A. (2008). *Thermodynamics An Engineering Approach* (Fifth Edition ed.). McGraw-Hill.
- Cho, H., Ryu, C., and Kim, Y. (2007). Cooling performance of a variable speed CO₂ cycle with an electronic expansion valve and internal heat exchanger. *International Journal of Refrigeration*, 664-671.
- Cho, H., Ryu, C., and Kim, Y. (2007). Cooling performance of a variable speed CO₂ cycle with an electronic expansion valve and internal heat exchanger. *International Journal of Refrigeration*, 664-671.
- Clelanda, D., Keedwell, R., and Adams, S. (2009). Use of hydrocarbons as drop-in replacements for HCFC-22 in on-farm milk cooling equipment. *International Journal Of Refrigeration*, 1403-1411.
- Dalkilic, A., and Wongwises, S. (2010). A performance comparison of vapour-compression refrigeration system using various alternative refrigerants. *International Communications in Heat and Mass Transfer*, 1340–1349.
- Domanski, P. A., Brown, J. S., Heo, J., Wojtusiak, J., and McLinden, M.O. (2013). A thermodynamic analysis of refrigerants: Performance limits of the vapor compression cycle. *International Journal of Refrigeration*, 1-9.
- Encrofig. (1997). *Refrigeration appliances using hydrocarbon refrigerants*. United Kingdom: Encrofig publication.

- Fagerli, B. E. (1998). On the Feasibility of Compressing CO₂ as Working Fluid in Scroll Compressors. *International Refrigeration and Air Conditioning Conference*.
- Gacia, V. P., Flores, J. B., Esbri, J. N., and Maya, C. R. (2013). Comparative study of transcritical vapor compression configurations using CO₂ as refrigeration mode base on simulation. *Applied Thermal Engineering*, 1038-1046.
- Globalindo Niaga Prima. Dipetik May 9, 2014, dari Musicool Hydrocarbon Refrigerant Overview: <http://www.globalindoprima.com/about-product/musicool-overview>.
- Hamidi, N., Iminafik, N., Purnami, and Widyanuriawan, D. (2013). Pengaruh Konsentrasi CO₂ Sebagai Inhibitor dalam Refrigeran Alternatif LPG Terhadap Unjuk Kerja Air Conditioner. *Jurnal Energi dan Manufaktur*, 1-94.
- Han, X. H., Li, P., Xu, Y. J., Zhang, Y. J., Wang, Q., and Chen, G. M. (2013). Cycle performances of the mixture HFC-161 + HFC-134a as the substitution of HFC-134a in automotive air conditioning systems. *Internal Journal Of Refrigeration*, 913 - 920.
- Hongsheng, L., Jiangping, C., and Zhijiu, C. (2005). Experimental investigation of a CO₂ automotive air conditioner. *International Journal of Refrigeration*, 1293–1301.
- Hwang, Y., Jin, D.-H., and Radermacher, R. (2004). *Comparison of Hydrocarbon R-290 and Two HFC Blends R-404A and R-410A for Medium Temperature Refrigeration Applications*. Maryland: Center for Environmental Energy Engineering.
- Hwang, Y., Jin, D.-H., and Radermacher, R. (2007). Comparison of R-290 and two HFC blends for walk-in refrigeration systems. *International Journal of Refrigeration*, 633-641.
- J. Steven, B., Samuel F, Y. M., and Piotr A., D. (2002). Comparitive analysis of an automotive air conditioning systems operating with CO₂ and R134a. *International Journal of Refrigeration*, 19–32.
- James M., C. (2008). The next generation of refrigerants – Historical review, considerations, and outlook. *International Journal of Refrigeration*, 1123–1133.
- Kim, S. C., Jong Phil, W., and Kim, M. S. (2009). Effects of operating parameters on the performance of a CO₂ air conditioning system for vehicles. *Applied Thermal Engineering*, 2408–2416.
- Kim, S. G., Jo Kim, Y., Lee, G., and Kim, M. S. (2005). The performance of a transcritical CO₂ cycle with an internal heat exchanger for hot water heating. *International Journal of Refrigeration*, 1064–1072.
- Liao, S., Cheng, Q., Jiang, D., and Gao, J. (2005). Experimental study of flammability limits of natural gas–air mixture. *Journal of Hazardous Materials*, 81-84.

- Liao, S., Cheng, Q., Jianga, D., and Gaoa, J. (2005). Experimental Study of Flammability Limits of Natural Gas–Air Mixture. *Journal of Hazardous Materials*, 81–84.
- Man-Hoe, K., Pettersen, J., and Clark W., B. (2004). Fundamental process and system design issues in CO₂ vapor compression systems. *Progress in Energy and Combustion Science*, 119–174.
- Padalkar, A. S., Mali, K. V., and Devotta, S. (2014). Simulated and experimental performance of split packaged air conditioner using refrigerant HC-290 as a substitute for HCFC-22. *Applied Thermal Engineering*, 277-284.
- PERTAMINA. (2012). *Musicool 134*. Retrieved May 14, 2014, from <http://www.pertamina.com/our-business/hilir/pemasaran-dan-niaga/produk-dan-layanan/solusi-bisnis/gas-produk/musicool/musicool-134/>
- Pettersen, J., Hafner, A., and Skaugen, G. (1998). Development of compact heat exchangers for CO₂ air-conditioning systems. *International Journal of Refrigeration*, 180-193.
- Rasti, M., Aghamiri, S., and Hatamipour, M. S. (2013). Energy efficiency enhancement of a domestic refrigerator using R436A and R600a as alternative refrigerants to R134a. *International Journal of Thermal Sciences*, 86-94.
- Rasti, M., Hatamipour, M., Aghamiri, S., and Tavakoli, M. (2012). Enhancement of domestic refrigerator's energy efficiency index using a hydrocarbon mixture refrigerant. *Measurement*, 1807–1813.
- Sarkar, J., and Bhattacharyya, S. (2009). Assessment of blends of CO₂ with butane and isobutane as working fluids for heat pump applications. *International Journal of Thermal Sciences*, 1460–1465.
- Shah, R. (2006). Automotive Air-Conditioning Systems – Historical Delevelopments, The State of Tecchnology and future trends. *Proceedings of the 3rd BSME-ASME International Conference on Thermal Engineering*. Dhaka, Bangladesh: Subros Ltd., New Delhi, India.
- Stoecker, W., Jones, J., and Hara, I. S. (1987). *Refrigerasi dan Pengkondisian Udara*. Jakarta: Erlangga.
- Su'ss, J., and Kruse, H. (1998). Efficiency of the indicated process of CO₂-compressors. *International Journal of Refrigeration*, 194 201.
- The Engineering Toolbox*. (n.d.). Retrieved May 15, 2014, from http://www.engineeringtoolbox.com/explosive-concentration-limits-d_423.html
- Wang, S., Gu, J., and Dickson, T. (2006). Modeling and experimental investigation of accumulators for automotive air conditioning systems. *International Journal of Refrigeration*, 1109-1118.
- Weixiang, Y. (2004). *A Simulation Study of CO₂ Automotive Air Conditioning System*. Thesis, University o f Windsor, Department o f Mechanical, Automotive and Materials Engineering, Canada.

- Yang, J. L., Ma, Y. T., Li, M. X., and Guan, H. Q. (2005). Exergy analysis of transcritical carbon dioxide refrigeration cycle with an expander. *Energy*, 1162–1175.
- Zhang, F., Jiang, P., Lin, Y., and Zhang, Y. (2011). Efficiencies of subcritical and transcritical CO₂ inverse cycles with and without an internal heat exchanger. *Applied Thermal Engineering*, 432-438.