



DAFTAR PUSTAKA

- Afram, A., and Sharifi, F.J., 2014, Review of Modeling Methods of HVAC Systems, *Applied Thermal Engineering*, Volume 67, pp. 507 – 519.
- Asgari, A., Noorpoor, A.R., and Boyaghchi, F.A., 2017, Parametric Assessment and Multi-Objective Optimization of an Internal Auto-Cascade Refrigeration Cycle Based on Advanced Exergy and Exergoeconomic Concepts, *Energy*, Vol. 125, pp. 576-590.
- Arora, C.P., 2001, *Refrigeration and Air Conditioning*, Second Edition, McGraw-Hill, Singapore, pp. 236-237.
- Babaelahi, M., Sadri, S., and Sayyaadi, H., 2014, Multi-Objective Optimization of a Cross-Flow Plate Heat Exchanger using Entropy Generation Minimization, *Chemical Engineering and Technology*, Vol. 36, pp. 307-313.
- Bejan, A., 1986, *Entropy Generation Through Heat and Fluid Flow*, John Wiley & Sons, Inc., pp. 21 – 24.
- Bejan, A., 1989, Theory of Heat Transfer-Irreversible Refrigeration Plants, *International Journal of Heat and Mass Transfer*, Volume 32, Nomor 9, pp. 1631 – 1639.
- Bejan, A., 1996, Entropy Generation Minimization: The New Thermodynamics of Finite-size Devices and Finite-time Processes, *Journal Applied Physics*, Volume 79, pp. 1191 – 1218.
- Bejan, A., Tsatsaronis, G., and Moran, M., 1996, *Thermal Design and Optimization*, John Wiley & Sons, Inc., New York, pp. 311 – 315.
- Bejan, A., 2002, Fundamentals of Exergy Analysis, Entropy Generation Minimization, and the Generation of Flow Architecture, *International Journal of Energy Research*, Volume 26, pp. 545 – 565.



- Bejan, A. 2006, Exergy Analysis, Entropy Generation Minimization, and Constructal Theory, Chapter 4, *Mechanical Engineers Handbook: Energy and Power*, Volume 4, Third Edition, John Wiley & Sons., Inc., New Jersey.
- Bejan, A., 2016, *Advanced Engineering Thermodynamics*, Fourth Edition, John Wiley & Sons, Inc. New Jersey, pp. 126.
- Buzelin, L.O.S., Amico, S.C., Vargas, J.V.C., and Parise, J.A.R., 2005, Experimental Development of an Intelligent Refrigeration System, *International Journal of Refrigeration*, Volume 28, pp. 165 – 175.
- Deb, K., 2014, *Search Methodologies (Introductory Tutorials in Optimization and Decision Support Techniques)*, Chapter 15, Springer, New York, pp. 401 – 449.
- Dinçer, I., and Kanoğlu, M., 2010, *Refrigeration Systems and Applications*, Second Edition, John Wiley & Sons Ltd., UK, pp. 72 – 81.
- Dinçer, I., Rosen, M.A., and Ahmadi, P., 2017, *Optimization of Energy Systems*, John Wiley & Sons, Ltd, UK, pp. 146 – 147.
- Ding, G., Zhang, C., and Lu, Z., 2004, Dynamic Simulation of Natural Convection Bypass Two-Circuit Cycle Refrigerator-Freezer and Its Application, Part I: Component Model, *Applied Thermal Engineering*, Volume 24, pp. 1513 – 1524.
- Ding, G., Zhang, C., and Lu, Z., 2004, Dynamic Simulation of Natural Convection Bypass Two-Circuit Cycle Refrigerator-Freezer and Its Application, Part I: Component Model, *Applied Thermal Engineering*, Volume 24, pp. 1525 – 1533.
- Dwinanto, M.M., Rarindo, H., dan Koehuan, V.A., 2012, Pengaruh Dimensi Pipa Kapiler dan Berat Refrigeran yang Digunakan Terhadap Unjuk Kerja Mesin Refrigerasi Evaporator Ganda, *Prosiding Seminar Nasional Tahunan Teknik Mesin XI (SNTTM XI) & Thermofluid IV*, Universitas Gadjah Mada, hal. 528 – 532.



Ghaly, A. E., 2010, Fish Spoilage Mechanisms and Preservation Techniques: Review, *American Journal of Applied Sciences*, Volume 7, pp. 859 – 877.

Gholap, A.K., and Khan, J.A., 2007, Design and Multi-Objective Optimization of Heat Exchanger for Refrigerator, *Applied Energy*, Volume 84, pp. 1226 – 1239.

Guo, J., Cheng, L., and Xu, M., 2010, Multi-Objective Optimization of Heat Exchanger Design by Entropy Generation Minimization, *Journal of Heat Transfer*, Vol. 132, pp. 081801-1 - 08180-8.

Hermes, C. J. L., Silva Jr, W. L., and Castro, F. A. G., 2012, Thermal-Hydraulic Design of Fan-Supplied Tube-Fin Condenser for Refrigeration Cassettes aimed at Minimum Entropy Generation, *Applied Thermal Engineering*, Volume 36, pp. 307 – 313.

Hermes, C.J.L., 2012, Conflation ϵ -NTU and EGM Design Methods for Heat Exchangers with Uniform Wall Temperature, *International Journal of Heat and Mass Transfer*, Volume 55, pp. 7838 – 7846.

Hermes, C. J. L., 2013, Thermodynamic Design of Condensers and Evaporators: Formulation and Application, *International Journal of Refrigeration*, Volume 36, pp. 633 – 640.

Holman, J.P., 2001, *Experimental Methods for Engineers*, Seventh Edition, McGraw-Hill. Inc., pp. 51 – 60.

Kairouani, L., Elakhdar, M., Nehdi, E., and Bouaziz, N., 2009, Use of Ejector in a Multi-Evaporator Refrigeration System for Performance Enhancement, *International Journal of Refrigeration*, Volume 32, pp. 1173 – 1185.

Kakaç, S., 1991, *Boilers, Evaporators and Condensers*, John Wiley & Sons, Inc., New York, pp. 644 - 646.



- Klein, S.A., and Reindl, D.T., 1998, The Relationship of Optimum Heat Exchanger Allocation and Minimum Entropy Generation Rate for Refrigeration Cycles, *Journal of Energy Resources Technology*, Volume 120, pp. 172 – 178.
- Li, Chao-Jen, and Su, Chin-Chia, 2003, Experimental Study of a Series-Connected Two-Evaporator Refrigerating System with Propane (R-290) as The Refrigerant, *Applied Thermal Engineering*, Volume 23, pp. 1503 – 1514.
- Li, Chao-Jen, and Su, Chin-Chia, 2005, Characteristics of a Series-Connected Two-Evaporator Refrigerating System, *Applied Thermal Engineering*, Volume 25, pp. 519 – 532.
- Lin, Jin-Long and Yeh, T.-J., 2007, Identification and Control of Multi-Evaporator Air-Conditioning Systems, *International Journal of Refrigeration*, Volume 30, pp. 1374 – 1385.
- Lin, Jin-Long and Yeh, T.-J., 2009, Control of Multi-Evaporator Air-Conditioning Systems for Flow Distribution, *Energy Conversion and Management*, Volume 50, pp. 1529 – 1541.
- Lu, Z., Ding, G., and Zhang, C., 2004, Dynamic Simulation of Natural Convection Bypass Two-Circuit Cycle Refrigerator-Freezer and Its Application, Part II: System Simulation and Application, *Applied Thermal Engineering*, Volume 24, pp. 1525 – 1533
- Nasruddin, Napitupulu, E., dan Hidayat, F., 2009, Analisa Unjuk Kerja Sistem Refrigerasi Dual Paralel Evaporator dengan Variasi Putaran Motor DC Kompresor Hermetik Tunggal, *Prosiding Seminar Nasional Tahunan Teknik Mesin-VIII (SNTTM-VIII)*, Universitas Diponegoro, hal. 1894 - 1900
- Pussoli, B.F., Barbosa Jr, J.R., Da Silva, L.W., and Kaviany, M., 2012, Optimization of Peripheral Finned-Tube Evaporators using Entropy Generation Minimization, *International Journal of Heat and Mass Transfer*, 2012, Volume 22, pp. 7838 – 7846.



Rathakrishman, E., 2012, *Elements of Heat Transfer*, CRC Press Taylor and Francis Group, Boca Raton, pp. 489.

Riberio, R.S., and Hermes, C.J.L., 2014, Algebraic Modeling and Thermodynamic Design of Fan-Supplied Tube-Fin Evaporator Running Under Frosting Conditions, *Applied Thermal Engineering*, Volume 70, pp. 552 – 559.

Saechan, P., and Wongwises, S., 2008, Optimal Configuration of Cross Flow Plate Finned Tube Condenser Based on the Second Law of Thermodynamics, *International Journal of Thermal Sciences*, Volume 47, pp. 1473 – 1481.

Santoso, B., dan Willy, P., 2011, *Metode Metaheuristik: Konsep dan Implementasi*, Cetakan Pertama, Guna Widya, hal. 31, dan 139 – 140.

Sayyaadi, H., and Nejatollahi, M., 2011, Multi-Objective Optimization of a Cooling Tower Assisted Vapor Compression Refrigeration System, *International Journal of Refrigeration*, Volume 34, pp. 243 – 256.

Shah, R.K., and Sekulić, D.P., 2003, *Fundamentals of Heat Exchanger Design*, John Wiley & Sons, Inc., New Jersey, pp. 570 – 573.

Shah, R., et al., 2003, *Dynamic Modeling and Control of Single and Multi-Evaporator Subcritical Vapor Compression Systems*, ACRC TR-216, Prepared as Part of ACRA Project #123, Air Conditioning and Refrigeration Center, University of Illinois, pp. 56.

Stack, A., and Finn, D. P., 2002, Modeling and Validation of a Multi-Evaporator Vapor Compression Cycle Subject to Non-Uniform Loading in Tranport Refrigeration Applications, *International Refrigeration and Air Conditioning Conference*, Purdue University, Paper 617.

Stewart, S., and Shelton, S.V., 2010, Finned-Tube Condenser Design Optimization using Thermoconomic Isolation, *Applied Thermal Engineering*, Volume 30, pp. 2096 – 2102.

Stocker, W.F., and Jones, J.W., 1989, *Refrigeration and Air Conditioning*, Second Edition, McGraw-Hill, Inc., New York, pp. 1 – 11, and 296 – 298.



Stocker, W.F., 1989, *Design of Thermal Systems*, McGraw-Hill Book Company, New York.

Visek, M., Joppolo, C.M., Molinaroli, L., and Olivani, A., 2012, A Modeling Study on The Effects of Refrigerant Pipeline Length on The Operational Performance of A Dual-Evaporator Air Conditioning System, *Applied Thermal Engineering*, Volume 39, pp. 15 – 25.

Wang, C.C., Chang, Y., Hsieh, Y., and Lin, Y., 1996, Sensible Heat and Friction Characteristics of Plate Fin-and-Tube Heat Exchangers having Plate Fins, *International Journal of Refrigeration*, Volume 9, pp. 223 – 230.

Wang, C.C., Hwang, Y.M., Lin, Y.T., 2002, Emperical Correlations for Heat Transfer and Flow Friction Characteristics of Herringbone Wavy Fin and Tube Heat Exchangers, *International Journal of Refrigeration*, 25, pp. 673-680.

Wang, C.C., Liaw, J.S., and Yang, B.C., 2011, Airside Performance of Herringbone Wavy Fin and Tube Heat Exchangers – Data with Large Diameter Tube, *International Journal of Heat and Mass Transfer*, 54, pp. 1024 – 1029.

Wu, C., Xingxi, Z., and Shiming, D., 2005, Development of Control Method and Dynamic Model for Multi-Evaporator Air Conditioner (MEAC), *Energy Conversion and Management*, Volume 46, pp. 451 – 465.

Yan, P., Xiangguo, X., Liang, X., and Shiming, D., 2012, A Modeling Study on the Effects of Refrigerant Pipeline Length on the Operational Performance of A Dual-Evaporator Air Conditioning System, *Applied Thermal Engineering*, Volume 39, pp. 15 – 25.

Yataganbaba, A., Kilicarslan, A., and Kurtbas, I., 2015, Irreversibility Analysis of a Two-Evaporator Vapour Compression Refrigeration System, *International Journal of Exergy*, Volume 18, pp. 340 – 355.



Yataganbaba, A., Kilicarslan, A., and Kurtbas, I., 2015, Exergy Analysis of R1234yf and R1234ze as R134a Replacements in a Two Evaporator Vapour Compression Refrigeration System, *International Journal of Refrigeration*, Volume 43, pp. 71 – 79.

Ye, H.Y., and Lee, K.S., 2012, Refrigerant Circuitry Design of Fin-and-Tube Condenser Based on Entropy Generation Minimization, *International Journal of Refrigeration*, Volume 35, pp. 1430 – 1438.

Yoon, W.J., Jung, H.W., Chung, H.J., and Kim, Y., 2011, Performance Optimization of Two-Circuit Cycle with Parallel Evaporators for a Domestic Refrigerator-Freezer, *International Journal of Refrigeration*, Volume 34, pp. 216 – 224.

Yuan, X.D., and Cheng, W.L., 2014, Multi-Objective Optimization of Household Refrigerator with Novel Heat-Storage Condensers by Genetic Algorithm, *Energy Conversion and Management*, Vol. 84, pp. 550-561.