

DAFTAR PUSTAKA

- Agyenim, F., P. Eames, N. Hewit, and M. Smyth. 2009. Heat transfer and phase change problem formulation for latent heat thermal energy storage system (LHTESS): A Review of Materials. *International Journal of New and Renewable Energy*. 14(2): 615-628. UK.
- Ahern, J.E. 1980. *The Exergy Method of Energy Systems Analysis*. John Wiley & Sons, New York. USA.
- Barrenechea, C., L.F. Cabeza, A. Castell, A. de Gracia, and A.I. Fernández. 2011. Materials used as PCM in thermal energy storage in buildings: A review. Elsevier. *International Journal of Renew. Sust. Energy Rev*. 15(3): 1675-1695.
- Basri, Hasan M. 2011. *Analisis Eksergi Siklus Kombinasi Gas-Uap Unit PLTGU Inderalaya*. Prosiding Seminar Nasional AVoER. Palembang.
- Bejan, A. 1996. *Entropy Generation Minimization*. CRC Press, Boca Raton, New York. USA.
- Bogdan, D.M. 2009. Transient thermal response of a PCS heat storage system. *International Journal of Energy and Buildings*. Elsevier. 41: 212-219. French.
- Buddhi, D. 1997. Thermal Performance of A Shell and Tube PCM Storage Heat Exchanger for Industrial Waste Heat Recovery. *Presented at Solar World Congress, August 24–30, Taejeon, Korea*.
- Butala, V. and U. Stritih. 2009. Experimental investigation of PCM cold storage. *International Journal Energy and Buildings*. 41(3): 354-359.
- Cabeza, L.F., M. Ibanez, C. Sole, J. Roca, and M. Nogues. 2006. Experimentation with a water tank including a PCM module. *International Journal of Solar Energy Materials & Solar Cells*. 90: 1273–1282.
- Canbazoglu, S., A. Sahinaslan, A. Ekmekyapar, Y.G. Aksoy, and F. Akarsu. 2005. Enhancement of solar thermal energy storage performance using sodium thiosulfate pentahydrate of a conventional solar waterheating system. *International Journal of Energy Building*. 37: 235–242.
- Carlsson, B. 2009. Phase change behaviour of some latent heat storage media based on calcium chloride hexahydrate. *International Journal of Sol Energy*. 83: 485–500.

- Cengel, Y.A. and M.A. Boles. 2002. *Thermodynamics: An Engineering Approach*. 4th edition. Mc-Graw Hill, Boston-Toronto.
- Chempro Technovation. 2016. Top-Notch Technology In Production of Oils and Fats. (On-line). <http://www.chempro.in/palmoilproperties.htm>. Diakses tanggal 5 Maret 2016.
- Cleanenergy. 2009. *Sun Powered Stirling-Dish System*. www.cleanenergyindustries.com/.../Sun%20powered%20StirlingDish%20system-161_GB.pdf. (On-line). Diakses tanggal 16 September 2015.
- Dincer, I. and A.Z. Sahin. 2004. A new model for thermodynamic analysis of a drying process. *International Journal of Heat and Mass Transfer*. 47(4): 645–652.
- Duffie J.A. dan Beckman W.A. 1980. *Solar Engineering Of Thermal Processes*. New York : John Willey & Sons.
- Fakhrurrozi, M. 2007. Pemanfaatan energi radiasi matahari guna memompa air. *Jurnal Ilmiah Lintas Teknologi Politeknosains Politama Surakarta*. 5(1): 1829-6181.
- Farhat, S., F. Sarhaddi and H. Ajam. 2009. Exergetic optimization of flat plate solar collectors. *International Journal of Renewable Energy*. 34(4): 1169-1174.
- Fauzi, Y. 2002. *Kelapa Sawit, Budidaya, Pemanfaatan Hasil dan Limbah Analisa, Usaha dan Pemasaran*. Edisi Revisi. Jakarta: Penebar Swadaya.
- Felix R.A., S.C. Solanki, and J.S.Saini. 2009. An analysis of a packed bed latent heat thermal energy storage system using PCM capsules: Numerical Investigation. *International Journal of Renewable Energy*. 34: 1765–1773.
- Gupta, M.K. and S.C. Kaushik, 2008. Exergetic performance evaluation and parametric studies of solar air heater. *International Journal of Energy*. 33(11): 1691-1702.
- Hadyan, G. K. 2013. Sistem Komunikasi Termokopel. Hal. 8-9. Fakultas Teknik, Universitas Diponegoro.
- Hambali, E. 2007. *Jarak Pagar, Tanaman penghasil Biodiesel*, cetakan ke empat. Penebar Swadaya. Jakarta.
- Hardi, R. 2016. Analisis Kinerja Sistem Panci Bertekan pada Sistem Konsentrator Surya Tipe Parabola. *Skripsi*. Fakultas Pertanian, Universitas Jenderal Soedirman, Purwokerto.

- Hardjasoemantri. 2002. *Hukum Tata Lingkungan* Edisi IV. UGM Press. Yogyakarta.
- Hasan, F.M. 2016. Analisis Kinerja Minyak Kelapa Sawit sebagai Fluida Kerja dalam Panci Bertekanan pada Sistem Konsentrator Surya Tipe Parabola. *Skripsi*. Fakultas Pertanian, Universitas Jenderal Soedirman, Purwokerto.
- Hebasli, A. 2008. A key review on exergetic analysis and assessment of renewable energy resources for a sustainable future. *International Journal of Renewable and Sustainable Energy Reviews*. 12(3): 593-661.
- Holman, J.P. 1983. *Perpindahan Kalor*. Jakarta : Erlangga.
- Huang, M.J., E.C. Eames, and B. Norton. 2004. Thermal regulation of building-integrated photovoltaic using phase change materials. *International Journal of Heat and Mass Transfer*. 47: 1597-1615.
- Ibanez, M., L.F.Cabeza, C. Sole, J. Roca, and M. Nogue's. 2006. Modelization of a water tank including a PCM module. *International Journal of Applied Thermal Engineering*. 26: 1328-1333.
- Indarto. 2006. *Sumber, Konversi dan Konservasi Energi*. Pidato Pengukuhan Jabatan Guru Besar Fakultas Teknik Universitas Gadjah Mada. Yogyakarta.
- Kahrobaian, A. and H. Malekmohammadi. 2008. Exergy optimization applied to linear parabolic solar collectors. *Journal of Faculty of Engineering*. 42(1): 131-144.
- Kalogrou, S.A. 2004. Solar thermal collectors and applications. *Journal of Progress in Energy and Combustion Science*. 30(3): 231-295.
- Kalogirou, S.A. 2012. Exergy Analysis and Genetic Algorithms for the Optimisation of Flate Plate Solar Collectors. *The 25th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems 2012*.
- Kar, K. A. 1985. Exergy efficiency and optimum operation of solar collectors. *International Journal of Applied Energy*. 21: 301-314.
- Ketaren, S. 1986. *Pengantar Teknologi Minyak dan Lemak Pangan*. Cetakan Pertama. UI-Press, Jakarta.
- Khalifa, A.J.N., and E.F. Abbas. 2009. A comparative performance study of some thermal storage materials used for solar space heating. *International Journal of Energy and Buildings*. 41(4): 407-415.
- Kondratyev, K.Y. 1969. *Radiation in the Atmosphere*. New York: Academic Press.

- Lalit M. Bal, S. Santosh, and S.N. Naik. 2010. Solar dryer with thermal energy storage system for drying agricultural food products. *International Journal of Renewable and Sustainable*. 14(8): 2298-2314.
- LeBreux, M., M. Lacroix., and G. Lachiver. 2009. Control of a hybrid solar/electric thermal energy storage system. *International Journal of Thermal Sciences*. 48(3): 645-654.
- Lenel, U.R., and P.R. Mudd. 1984. A review of materials for solar heating systems for domestic hot water. *International Journal of Solar Energy*. 32: 109–120.
- MacPhee, D. and I. Dincer. 2009. Thermal modeling of a packed bed thermal energy storage system during charging. *International Journal of Applied Thermal Engineering*. 29(4): 695–705.
- Mawire, A., and M. McPherson. 2009. Experimental and simulated temperature distribution of an oil-pebble bed thermal energy storage system with a variable heat source. *International Journal of Applied Thermal Engineering*. 29(5-6): 1086.
- Mawire, A., M. McPherson, V.D. Heetkamp, and S.J.P. Mlatho. 2009. Simulated performance of storage materials for pebble bed thermal energy storage (TES) systems. *International Journal of Applied Energy*. 86(7-8): 1246.
- Mazen, M., A.H. Mohamed. A. Salah, and O. Badran. 2008. *Evaluating Thermal Performance of Solar Cooker under Jordanian Climate*. Departement of Mechanical Engineering. 15 hal.
- Miller, K.S., R.P. Singh, and B.E. Farkas. 1994. Viscosity and heat transfer coefficients for canola, corn, palm, and soybean oil. *Journal of Food Processing and Preservation*. (18): 461-472.
- Moran, Michael J. 2006. *Fundamental of Enginering Thermodynamics 5th Edition*. John Wiley & Son, Ltd. England.
- Muller, C. dan K. Schwarzer. 2004. *The Use of Solar for Improving The Living Conditions in Altiplano/Argentina*. Solar Global EV July.
- Nrel. 2001. *Concentrating Solar Power: Energy from Mirrors*. <http://www.nrel.gov/docs/fy01osti/28751.pdf>. (On-line). Diakses tanggal 16 September 2015.
- Papanicolaou, E., and V. Belessiotis. 2009. Transient development of flow and temperature fields in an underground thermal storage tank under various charging modes. *International Journal of International Journal Solar Enegy*. 83(8): 1161-1176.

- Pratomo, L.H. 2005. *Desain Alat Pengukur Energi Listrik Jarak Jauh Berbasis Mikrokontroller dengan Keakuratan yang Tinggi*. Laboratorium Konversi Energi Listrik, Fakultas Teknologi Industri Jurusan Teknik Elektro, Universitas Katolik Soegijapranata. Semarang.
- Praveen, K. V. and M. Sharma. 2014. Analysis of heat transfer fluids in concentrated solar power (CSP). *International Journal of Engineering Research of Technology (IJERT)*. 3:239-240.
- Reynolds, W.C. dan H.C. Perkins. 1983. *Termodinamika Teknik*. Jakarta Pusat: Erlangga.
- Rohman, H.A. 2016. Rancang Bangun *Solar Tracker* Semi Mekanis pada Konsentrator Surya Tipe Parabola. *Skripsi*. Fakultas Pertanian, Universitas Jenderal Soedirman, Purwokerto.
- Rowe, R.C., P.J. Sheskey. and M. E. Quinn. 2009. *Handbook of Pharmaceutical Excipients*. Lexi-Comp: American Pharmaceutical Association, Inc. Page 418-685.
- Ropiudin, Priswanto, dan B. Darmawan. 2009. Pengembangan dan Valuasi Teknologi Pemasakan Surya Tipe Parabola In-door sebagai Teknologi Alternatif Hemat Energi. Universitas Jenderal Soedirman. Purwokerto.
- Seia. 2009. *Concentrating Solar Power: Utility-Scale Solutions for Pollution-Free Electricity*. http://seia.org/galleries/pdf/factsheet_csp.pdf. (On-line). Diakses tanggal 16 September 2015.
- Sharma, A., V.V. Tyagi, C.R. Chen, and D. Buddhi. 2009. Review on thermal energy storage with phase change material and applications. *International Journal of Renewable and Sustainable Energy*. 13: 318-345.
- Suharno, K. 2004. Pemanfaatan Energi Radiasi Guna Memasak Air di Daerah Kecamatan Lawean Kodia Surakarta. *Jurnal Ilmiah Lintas Teknologi Politeknosains Politama Surakarta*. 4(1): 1829-6181.
- Susanto, E. P., B. Soemardi. dan I. Pane. 2012. Studi Penggunaan Dinding *Foam Concrete (FC)* dalam Efisiensi Energi dan Biaya untuk Pendinginan Udara (*Air Conditioner*). *Thesis*. Manajemen Rekayasa Konstruksi. Institut Teknologi Bandung.
- Tardy, F. and F.M. Sami. 2009. Thermal analysis of heat pipes during thermal storage. *International Journal of Applied Thermal Engineering*. 29(2-3): 329 –333.
- Tiwari, G.N., dan R.K. Goyan. 1998. *Greenhouse Technology*. Narosa Publishing House, 6 community Centre Park, New Dehli, India.

- Triatmojo,B. 2016. Analisis Sistem Reflektor pada Sistem Konsentrator Surya Tipe Parabola. *Skripsi*. Universitas Jenderal Soedirman, Purwokerto.
- Tyagi , S.K. S. Wang, M.K. Singhal, S.C. Kaushik, and S.R. Park. 2007. Exergy analysis and parametric study of oncentrating type solar collectors. *International Journal of Thermal Sciences*. 46(12): 1304-1310.
- Wicaksono, D.A. 2016. Analisis Pindah Panas pada Alat Pengering Tipe Rak Berputar dengan Konsentrator Surya. *Skripsi*. Universitas Jenderal Soedirman, Purwokerto.
- Wilson, M. dan G. J. Maryam. 2000. The feasibility of introducing solar oven to rural women in maphephethe. *International Journal of Family Ecology and Consumer Sciences*. 28: 54-60.
- Wisnubroto, S. 2004. *Meteorologi Pertanian Indonesia*. Fakultas Pertanian UGM. Yogyakarta.
- Yasser, F.M.K and H.E.El Sheshetawy. 2010. Optimization of ginger (zingiber officinale) phenolics extraction conditions and its antioxidant and radical scavenging activities using response surface methodology. *World Journal of Dairy & Food Sciences*. 5(2): 188-196.

