

DAFTAR PUSTAKA

- Adara. (2017). UPA 15-90: Buku petunjuk pengguna. Diakses pada 27 Juni 2025, dari <https://adara-bg.com/wp-content/uploads/2017/02/UPA-15-90.pdf>
- Agyenim, F., Hewitt, N., Eames, P., & Smyth, M. (2010). A review of materials, heat transfer and phase change problem formulation for latent heat thermal energy storage systems (LHTESS). Dalam *Renewable and Sustainable Energy Reviews* (Vol. 14, Nomor 2, hlm. 615–628). <https://doi.org/10.1016/j.rser.2009.10.015>
- Akgün, M., Aydin, O., & Kaygusuz, K. (2007). Experimental study on melting/solidification characteristics of a paraffin as PCM. *Energy Conversion and Management*, 48(2), 669–678. <https://doi.org/10.1016/j.enconman.2006.05.014>
- Al-Hinti, I., Al-Ghandoor, A., Maaly, A., Abu Naqeera, I., Al-Khateeb, Z., & Al-Sheikh, O. (2010). Experimental investigation on the use of water-phase change material storage in conventional solar water heating systems. *Energy Conversion and Management*, 51(8), 1735–1740. <https://doi.org/10.1016/j.enconman.2009.08.038>
- Ali Fazilati, M., & Akbar Alemrajabi, A. (2013). *Phase change material for enhancing solar water heater, an experimental approach*.
- American Society of Mechanical Engineer. (2004). *ASME B36.10M*.
- American Society of Mechanical Engineer. (2019). *ASME Boiler and Pressure Vessel Code An International Code*. <https://www.asme.org/shop/certification-accreditation>.
- ASME. (2021). *SECTION II MATERIALS Part D ASME Boiler and Pressure Vessel Code An International Code*. www.asme.org/cer
- Atmodigdo, R., Nadjib, M., & Santoso, T. A. (2016). *PERANCANGAN TANGKI PEMANAS AIR TENAGA SURYA KAPASITAS 60 LITER DAN INSULASI TERMALNYA*.
- Bergman, T. L. ., & Levine, A. S. . (2019). *Fundamentals of heat and mass transfer*. John Wiley & Sons, Inc.
- Castell, A., Solé, C., Medrano, M., Roca, J., Cabeza, L. F., & García, D. (2008). Natural convection heat transfer coefficients in Phase Change Material (PCM) modules with external vertical fins. *Thermal Engineering*, 28(13), 1676. <https://doi.org/10.1016/j.applthermaleng.2007.11.004>
- Cengel, Y. (2014). *Fluid Mechanics Fundamentals and Applications*.

- Cengel, Y. (2015). *Thermodynamics An Engineering Approach: Eighth Edition*.
www.EngineeringEBooksPdf.com
- Chidambaram, L. A., Ramana, A. S., Kamaraj, G., & Velraj, R. (2011). Review of solar cooling methods and thermal storage options. Dalam *Renewable and Sustainable Energy Reviews* (Vol. 15, Nomor 6, hlm. 3220–3228).
<https://doi.org/10.1016/j.rser.2011.04.018>
- Duffie, J. A. ., & Beckman, W. A. . (2013). *Solar engineering of thermal processes*. Wiley.
- Dwivedi, V., Professor, A., & Counsell, J. (2009). *Thermal modelling and control of domestic hot water tank*.
- Esen, M., Durmuş, A., & Durmuş, A. (1998). Geometric design of solar-aided latent heat store depending on various parameters and phase change materials. *Solar Energy*, 62(1), 19–28. [https://doi.org/10.1016/S0038-092X\(97\)00104-7](https://doi.org/10.1016/S0038-092X(97)00104-7)
- Hasan, A. (1994). PHASE CHANGE MATERIAL ENERGY STORAGE SYSTEM EMPLOYING PALMITIC ACID. Dalam *Pergamon Solar Energy* (Vol. 52, Nomor 2).
- Holman, J. P. (2010). *Heat Transfer Tenth Edition*.
- Ibrahim, N. I., Al-Sulaiman, F. A., Rahman, S., Yilbas, B. S., & Sahin, A. Z. (2017). Heat transfer enhancement of phase change materials for thermal energy storage applications: A critical review. Dalam *Renewable and Sustainable Energy Reviews* (Vol. 74, hlm. 26–50). Elsevier Ltd.
<https://doi.org/10.1016/j.rser.2017.01.169>
- Kalogirou, S. (2009). Solar energy engineering process and system. Dalam *Solar Energy Engineering* (hlm. 755–760). Elsevier. <https://doi.org/10.1016/B978-0-12-374501-9.00024-8>
- Karassik, I. J. . (2001). *Pump handbook*. McGraw-Hill.
- Kaygusuz, K., & Sari, A. (2005). Thermal Energy Storage System Using a Technical Grade Paraffin Wax as Latent Heat Energy Storage Material. *Energy Sources*, 27, 1535–1546. <https://doi.org/10.1080/009083190914015>
- Khokhi, M., & Maruyama, S. (2005). Theoretical approach of a flat plate solar collector with clear and low-iron glass covers taking into account the spectral absorption and emission within glass covers layer. *Renewable Energy*, 30(8), 1177–1194. <https://doi.org/10.1016/j.renene.2004.09.014>
- Megyessy. (1997). *E. Megyessy Pressure Vessel Handbook 10th Ed.*

- Nadjib, M. (2014). *STUDI EKSPERIMENTAL PENGINTEGRASIAN PARAFFIN WAX DAN AIR SEBAGAI MEDIA PENYIMPAN KALOR PADA SISTEM PEMANAS AIR TENAGA SURYA*.
- Nadjib, M. (2021). *KAJIAN EKSPERIMENTAL DAN NUMERIK PENGGUNAAN PARAFFIN WAX PADA TANGKI PEMANAS AIR TENAGA SURYA SISTEM AKTIF*.
- Raisul Islam, M., Sumathy, K., & Ullah Khan, S. (2013). Solar water heating systems and their market trends. Dalam *Renewable and Sustainable Energy Reviews* (Vol. 17, hlm. 1–25). <https://doi.org/10.1016/j.rser.2012.09.011>
- Regin, A. F., Solanki, S. C., & Saini, J. S. (2008). Heat transfer characteristics of thermal energy storage system using PCM capsules: A review. Dalam *Renewable and Sustainable Energy Reviews* (Vol. 12, Nomor 9, hlm. 2438–2458). Elsevier Ltd. <https://doi.org/10.1016/j.rser.2007.06.009>
- Şen, Z. (2008). Solar energy fundamentals and modeling techniques: Atmosphere, environment, climate change and renewable energy. Dalam *Solar Energy Fundamentals and Modeling Techniques: Atmosphere, Environment, Climate Change and Renewable Energy*. Springer London. <https://doi.org/10.1007/978-1-84800-134-3>
- Setyanto, I. D., Nadjib, M., Hadji, T., & Santoso, A. (2014). *PERANCANGAN ALAT PENUKAR KALOR UNTUK PCM DI DALAM TANGKI PEMANAS AIR TENAGA SURYA THERMOSYPHON KAPASITAS 60 LITER*.
- Shahsavari, A., & Akbari, M. (2018). Potential of solar energy in developing countries for reducing energy-related emissions. Dalam *Renewable and Sustainable Energy Reviews* (Vol. 90, hlm. 275–291). Elsevier Ltd. <https://doi.org/10.1016/j.rser.2018.03.065>
- Sharma, S. D., & Sagara, K. (2005). Latent Heat Storage Materials and Systems: A Review. *International Journal of Green Energy*, 2(1), 1–56. <https://doi.org/10.1081/ge-200051299>
- Talmatsky, E., & Kribus, A. (2008). PCM storage for solar DHW: An unfulfilled promise? *Solar Energy*, 82(10), 861–869. <https://doi.org/10.1016/j.solener.2008.04.003>
- Zalba, B., Marin, J. M., Cabeza, L. F., & Mehling, H. (2003). *Review on thermal energy storage with phase change: materials, heat transfer analysis and applications*. www.elsevier.com/locate/apthermeng