DAFTAR PUSTAKA

Abdelaziz, G. B., Abdelbaky, M. A., Halim, M. A., Omara, M. E., Elkhaldy, I. A., Abdullah, A. S., Omara, Z. M., Essa, F. A., Ali, A., Sharshir, S. W., El-Said, E. M. S., Bedair, A. G., & Kabeel, A. E. (2021). Energy saving via Heat Pipe Heat Exchanger in air conditioning applications "experimental study and economic analysis." *Journal of Building Engineering*, *35*. https://doi.org/10.1016/j.jobe.2020.102053

Abdulshaheed, A. A., Wang, P., Huang, G., Zhao, Y., & Li, C. (2021). Filling Ratio Optimization for High-Performance Nanoengineered Copper-Water Heat Pipes. *Journal of Thermal Science and Engineering Applications*, *13*(5). https://doi.org/10.1115/1.4050225

Ahmadzadehtalatapeh, M., & Yau, Y. H. (2012). Energy conservation potential of the heat pipe heat exchangers: Experimental study and predictions. *International Journal of Engineering, Transactions B: Applications*, *25*(3), 193–199. https://doi.org/10.5829/idosi.ije.2012.25.03b.06

Alklaibi, A. M., Sundar, L. S., & Sousa, A. C. M. (2021). Experimental analysis of exergy efficiency and entropy generation of diamond/water nanofluids flow in a thermosyphon flat plate solar collector. *International Communications in Heat and Mass Transfer*, *120*. https://doi.org/10.1016/j.icheatmasstransfer.2020.105057

Balaras, C. A., Grossman, G., Henning, H. M., Infante Ferreira, C. A., Podesser, E., Wang, L., & Wiemken, E. (2007). Solar air conditioning in Europe-an overview. In *Renewable and Sustainable Energy Reviews* (Vol. 11, Issue 2, pp. 299–314). https://doi.org/10.1016/j.rser.2005.02.003

Barba, M., Bruce, R., Bouchet, F., Bonelli, A., & Baudouy, B. (2021). Effects of filling ratio of a long cryogenic Pulsating Heat Pipe. *Applied Thermal Engineering*, *194*. https://doi.org/10.1016/j.applthermaleng.2021.117072

Beygzadeh, V., Khalilarya, S., & Mirzaee, I. (2020). Thermodynamic comparison of two novel combined systems based on solar loop heat pipe evaporator. *Energy*, *206*. https://doi.org/10.1016/j.energy.2020.118145

Bosch, J., & Bosch-Sijtsema, P. (2010). From integration to composition: On the impact of software product lines, global development and ecosystems. *Journal of Systems and Software*, *83*(1), 67–76. https://doi.org/10.1016/j.jss.2009.06.051

Cao, J., Chen, C., Su, Y., Leung, M. K. H., Bottarelli, M., & Pei, G. (2019). Experimental study on the temperature management behaviours of a controllable loop thermosyphon. *Energy Conversion and Management*, *195*, 436–446. https://doi.org/10.1016/j.enconman.2019.05.031

Capellán-Pérez, I., Mediavilla, M., de Castro, C., Carpintero, Ó., & Miguel, L. J. (2014). Fossil fuel depletion and socio-economic scenarios: An integrated approach. *Energy*, *77*, 641–666. https://doi.org/10.1016/j.energy.2014.09.063

Carvajal-Mariscal, I., De León-Ruiz, J. E., Vázquez-Arenas, J., & Venegas, M. (2022). Effect of Working Fluid-Filling Ratio Combination on Thermosyphon Performance as Add-In Enhancer for Indoor Air Conditioning Devices. *Energies*, *15*(16). https://doi.org/10.3390/en15165939

Cengel, Y., & Boles, M. (2002). Heat Transfer A pratical Approach. *McGraw - Hill*, 932.

Chi, Z., Yiqiu, T., Fengchen, C., Qing, Y., & Huining, X. (2019). Long-term thermal analysis of an airfield-runway snow-melting system utilizing heat-pipe technology. *Energy Conversion and Management*, *186*, 473–486. https://doi.org/10.1016/j.enconman.2019.03.008

Cintya Dewi, W., Raharjo, M., Endah Wahyuningsih, N., Kesehatan Masyarakat Universitas Diponegoro Jl Sudarto No, F., & Kota Semarang Jawa Tengah Indonesia, T. (n.d.). LITERATUR REVIEW : HUBUNGAN ANTARA KUALITAS UDARA RUANG DENGAN GANGGUAN KESEHATAN PADA PEKERJA LITERATURE REVIEW : LINK BETWEEN SPACE AIR QUALITY AND HEALTH INTERFERENCE IN WORKERS. *Jurnal Kesehatan Masyarakat*, *8*(1), 2021.

Czajkowski, C., Nowak, A. I., Ochman, A., & Pietrowicz, S. (2022). Flower Shaped Oscillating Heat Pipe at the thermosyphon condition: Performance at different rotational speeds, filling ratios, and heat supplies. *Applied Thermal Engineering*, *212*. https://doi.org/10.1016/j.applthermaleng.2022.118540

Ding, T., Cao, H. wen, He, Z. guang, & Li, Z. (2017). Experiment research on influence factors of the separated heat pipe system, especially the filling ratio and Freon types. *Applied Thermal Engineering*, *118*, 357–364. https://doi.org/10.1016/j.applthermaleng.2017.02.085

Ebeling, J. C., Kabelac, S., Luckmann, S., & Kruse, H. (2017). Simulation and experimental validation of a 400 m vertical CO2 heat pipe for geothermal application. *Heat and Mass Transfer/Waerme- Und Stoffuebertragung*, *53*(11), 3257–3265. https://doi.org/10.1007/s00231-017-2014-7

Eidan, A. A., Najim, S. E., & Jalil, J. M. (2017). An experimental and a numerical investigation of HVAC system using thermosyphon heat exchangers for sub-tropical climates. *Applied Thermal Engineering*, *114*, 693–703. https://doi.org/10.1016/j.applthermaleng.2016.12.027

El-Dessouky, H., Ettouney, H., & Al-Zeefari, A. (2004). Performance analysis of two-stage evaporative coolers. *Chemical Engineering Journal*, *102*(3), 255–266. https://doi.org/10.1016/j.cej.2004.01.036

Enteria, N., & Mizutani, K. (2011). The role of the thermally activated desiccant cooling technologies in the issue of energy and environment. In *Renewable and Sustainable Energy Reviews* (Vol. 15, Issue 4, pp. 2095–2122). Elsevier Ltd. https://doi.org/10.1016/j.rser.2011.01.013

Fadillah, R., Hadi Kusuma, M., Kholil, A., Keselamatan Reaktor Nuklir, dan, Tenaga Nuklir, B., Puspiptek Serpong, K., & Selatan, T. (2021). *STUDI PENGARUH FILLING RATIO TERHADAP UNJUK KERJA THERMAL MODEL LOOP HEAT PIPE* (Vol. 25, Issue 2).

Faghri, A. (2014). HEAT PIPES: REVIEW, OPPORTUNITIES AND CHALLENGES. *Frontiers in Heat Pipes*, *5*(1). https://doi.org/10.5098/fhp.5.1

Fong, K. F., Chow, T. T., Lee, C. K., Lin, Z., & Chan, L. S. (2010). Comparative study of different solar cooling systems for buildings in subtropical city. *Solar Energy*, *84*(2), 227–244. https://doi.org/10.1016/j.solener.2009.11.002

Huang, J., Xiang, J., Chu, X., Sun, W., Liu, R., Ling, W., Zhou, W., & Tao, S. (2021). Thermal performance of flexible branch heat pipe. *Applied Thermal Engineering*, *186*. https://doi.org/10.1016/j.applthermaleng.2020.116532

Huminic, G., Huminic, A., Morjan, I., & Dumitrache, F. (2011). Experimental study of the thermal performance of thermosyphon heat pipe using iron oxide nanoparticles. *International Journal of Heat and Mass Transfer*, *54*(1–3), 656–661. https://doi.org/10.1016/j.ijheatmasstransfer.2010.09.005

Jaipurkar, T., Kant, P., Khandekar, S., Bhattacharya, B., & Paralikar, S. (2017). Thermo-mechanical design and characterization of flexible heat pipes. *Applied Thermal Engineering*, *126*, 1199–1208. https://doi.org/10.1016/j.applthermaleng.2017.01.036

Jouhara, H., & Merchant, H. (2012). Experimental investigation of a thermosyphon based heat exchanger used in energy efficient air handling units. *Energy*, *39*(1), 82–89. https://doi.org/10.1016/j.energy.2011.08.054

Lim, J., & Kim, S. J. (2018). Fabrication and experimental evaluation of a polymer-based flexible pulsating heat pipe. *Energy Conversion and Management*, *156*, 358–364. https://doi.org/10.1016/j.enconman.2017.11.022

Liu, H., Gan, W., Yao, H., Wang, X., Wang, Y., & Zhu, Y. (2022). Visualization and heat transfer comparative analysis of two phase closed thermosyphon. *Applied Thermal Engineering*, *217*. https://doi.org/10.1016/j.applthermaleng.2022.119172

Liu, H., Wang, X., Wang, K., Zhu, Y., & Zhu, Y. (2021). Numerical analysis of ground temperature response characteristics of a space-heating ground source heat pump system by utilizing super-long flexible heat pipes for heat

extraction. *Energy and Buildings*, *244*. https://doi.org/10.1016/j.enbuild.2021.110991

Narendra Babu, N., & Kamath, H. (2015). Materials used in Heat Pipe. *Materials Today: Proceedings*, *2*(4–5), 1469–1478. https://doi.org/10.1016/j.matpr.2015.07.072

Papakostas, K. T., & Slini, T. (2017). Effects of Climate Change on the Energy Required for the Treatment of Ventilation Fresh Air in HVAC Systems the Case of Athens and Thessaloniki. *Procedia Environmental Sciences*, *38*, 852–859. https://doi.org/10.1016/j.proenv.2017.03.171

Pérez-Lombard, L., Ortiz, J., Coronel, J. F., & Maestre, I. R. (2011). A review of HVAC systems requirements in building energy regulations. In *Energy and Buildings* (Vol. 43, Issues 2–3, pp. 255–268). https://doi.org/10.1016/j.enbuild.2010.10.025

Perez-Lombard, L., Ortiz, J., & Maestre, I. R. (2011). The map of energy flow in HVAC systems. *Applied Energy*, *88*(12), 5020–5031. https://doi.org/10.1016/j.apenergy.2011.07.003

Pérez-Lombard, L., Ortiz, J., & Pout, C. (2008). A review on buildings energy consumption information. *Energy and Buildings*, *40*(3), 394–398. https://doi.org/10.1016/j.enbuild.2007.03.007

Pramudhita, A., & Hermawan, R. (2020). PERANCANGAN SISTEM TATA UDARA PADA RUANG NICU DI LANTAI 3 RUMAH SAKIT "X." *Jurnal Teknologi Terapan)* |, *6*(2).

Proksimat, A., Nilai, D., Briket, K., Ampas, B., Dan, T., Kayu, A., Elfiano, E., Subekti, P., & Sadil, A. (n.d.). *ANALISA PROKSIMAT DAN NILAI KALOR PADA BRIKET BIOARANG LIMBAH AMPAS TEBU DAN ARANG KAYU*.

Putra, N., Anggoro, T., & Winarta, A. (2017). Experimental study of heat pipe heat exchanger in hospital HVAC system for energy conservation. *International Journal on Advanced Science, Engineering and Information Technology*, *7*(3), 871–877. https://doi.org/10.18517/ijaseit.7.3.2135

Qi, R., Lu, L., & Yang, H. (2012). Investigation on air-conditioning load profile and energy consumption of desiccant cooling system for commercial buildings in Hong Kong. *Energy and Buildings*, *49*, 509–518. https://doi.org/10.1016/j.enbuild.2012.02.051

Qu, J., Li, X., Cui, Y., & Wang, Q. (2017). Design and experimental study on a hybrid flexible oscillating heat pipe. *International Journal of Heat and Mass Transfer*, *107*, 640–645. https://doi.org/10.1016/j.ijheatmasstransfer.2016.11.076

Rachmat, A. N. (n.d.). *Tantangan dan Peluang Perkembangan Teknologi Pertahanan Global Bagi Pembangunan Kekuatan Pertahanan Indonesia*.

Riffat, S. B., & Gan, G. (1997). Passive Stack Ventilation with Heat Recovery. In *Air Infiltration Review* (Vol. 18, Issue 4).

Rongchai, K., & Tundee, S. (2022). Development, testing and design optimisation of a water and R134a based thermosyphon heat exchanger for air-water heat recovery systems. *Case Studies in Thermal Engineering*, *39*, 102453. https://doi.org/10.1016/j.csite.2022.102453

Song, J. G., Lee, J. H., & Park, I. S. (2021). Enhancement of cooling performance of naval combat management system using heat pipe. *Applied Thermal Engineering*, *188*. https://doi.org/10.1016/j.applthermaleng.2021.116657

Sukarno, R., Putra, N., Hakim, I. I., Rachman, F. F., & Indra Mahlia, T. M. (2021a). Utilizing heat pipe heat exchanger to reduce the energy consumption of airborne infection isolation hospital room HVAC system. *Journal of Building Engineering*, *35*. https://doi.org/10.1016/j.jobe.2020.102116

Sukarno, R., Putra, N., Hakim, I. I., Rachman, F. F., & Indra Mahlia, T. M. (2021b). Utilizing heat pipe heat exchanger to reduce the energy consumption of airborne infection isolation hospital room HVAC system. *Journal of Building Engineering*, *35*. https://doi.org/10.1016/j.jobe.2020.102116

Sukarno, R., Putra, N., Hakim, I. I., Rachman, F. F., & Mahlia, T. M. I. (2021a). Multi-stage heat-pipe heat exchanger for improving energy efficiency of the HVAC system in a hospital operating room. *International Journal of Low-Carbon Technologies*, *16*(2), 259–267. https://doi.org/10.1093/ijlct/ctaa048

Sukarno, R., Putra, N., Hakim, I. I., Rachman, F. F., & Mahlia, T. M. I. (2021b). Multi-stage heat-pipe heat exchanger for improving energy efficiency of the HVAC system in a hospital operating room. *International Journal of Low-Carbon Technologies*, *16*(2), 259–267. https://doi.org/10.1093/ijlct/ctaa048

Sukarno, R., Putra, N., & Irwansyah, R. (2018). *On the Effect off Tube Bank Configuration to Heat Transfer Effectiveness in Heat Pipe Heat Exchanger for Air Conditioning System*.

Tong, Z., Liu, X. H., Li, Z., & Jiang, Y. (2016). Experimental study on the effect of fill ratio on an R744 two-phase thermosyphon loop. *Applied Thermal Engineering*, *99*, 302–312. https://doi.org/10.1016/j.applthermaleng.2016.01.065

Vakiloroaya, V., Samali, B., Fakhar, A., & Pishghadam, K. (2014). A review of different strategies for HVAC energy saving. *Energy Conversion and Management*, *77*, 738–754. https://doi.org/10.1016/j.enconman.2013.10.023

Wang, F., Li, G., Alexander, F., Ma, W., Chen, D., Wu, G., Mu, Y., Wang, X., Jing, H., & Zhang, Z. (2023). Applicability analysis of thermosyphon for thermally stabilizing pipeline foundation permafrost and its layout optimization. *Cold*

Regions Science and Technology, *208*. https://doi.org/10.1016/j.coldregions.2022.103769

Wang, J., Ma, H., Zhu, Q., Dong, Y., & Yue, K. (2016). Numerical and experimental investigation of pulsating heat pipes with corrugated configuration. *Applied Thermal Engineering*, *102*, 158–166. https://doi.org/10.1016/j.applthermaleng.2016.03.163

Wang, X., Wang, Y., Wang, Z., Liu, Y., Zhu, Y., & Chen, H. (2018). Simulation-based analysis of a ground source heat pump system using super-long flexible heat pipes coupled borehole heat exchanger during heating season. *Energy Conversion and Management*, *164*, 132–143. https://doi.org/10.1016/j.enconman.2018.03.001

Wang, X., Zhu, Y., Zhu, M., Zhu, Y., Fan, H., & Wang, Y. (2017). Thermal analysis and optimization of an ice and snow melting system using geothermy by super-long flexible heat pipes. *Applied Thermal Engineering*, *112*, 1353–1363. https://doi.org/10.1016/j.applthermaleng.2016.11.007

Zhang, P., Shi, W., Li, X., Wang, B., & Zhang, G. (2018). A performance evaluation index for two-phase thermosyphon loop used in HVAC systems. *Applied Thermal Engineering*, *131*, 825–836. https://doi.org/10.1016/j.applthermaleng.2017.12.056