

DAFTAR PUSTAKA

- [1] I. W. Sugita, B. A. P. Sanjaya, and I. N. Azhari, “Analisa Kinerja Pipa Kalor Berdenyut,” *Jurnal Kajian Teknik Mesin*, vol. 7, no. 2, pp. 13–20, 2022, Accessed: May 05, 2025. [Online]. Available: <http://journal.uta45jakarta.ac.id/index.php/jktm/index>
- [2] H. Yang, S. Khandekar, and M. Groll, “Performance characteristics of pulsating heat pipes as integral thermal spreaders,” *International Journal of Thermal Sciences*, vol. 48, no. 4, pp. 815–824, 2009.
- [3] X.-S. Yang, M. Karamanoglu, T. Luan, and S. Koziel, “Mathematical Modelling and Parameter Optimization of Pulsating Heat Pipes,” Mar. 2014, [Online]. Available: <http://arxiv.org/abs/1403.7797>
- [4] X.-Y. Cui, Y. Wang, J.-H. Wong, J.-C. Hu, and M. Groll, “Experimental study on pulsating heat pipe with different working fluids,” vol. 31, pp. 539–543, May 2009.
- [5] K. Park and H. B. Ma, “Nanofluid Effect on the Heat Transport Capability in a Well-Balanced Oscillating Heat Pipe,” *J Thermophys Heat Trans*, vol. 21, no. 2, pp. 443–445, Apr. 2007, doi: 10.2514/1.22409.
- [6] I. Setyawan, S. R. Riawan, P. Sari, and D. Ridwan, “ANALISIS KINERJA PIPA KALOR LURUS MENGGUNAKAN SUMBU KAPILER SCREEN MESH 300 DENGAN MEMVARIASIKAN FILLING RASIO Performance Analysis of Straight Heat Pipe Using Screen Mesh 300 Capillary Wick by Varying Filling Ratios,” *ASIIMETRIK: Jurnal Ilmiah Rekayasa & Inovasi*, vol. 2.2, no. 2, Jul. 2020, Accessed: May 02, 2025. [Online]. Available: <http://journal.uta45jakarta.ac.id/index.php/jktm/index>
- [7] H. Barua, M. Ali, M. Nuruzzaman, M. Quamrul Islam, and C. M. Feroz, “Effect of filling ratio on heat transfer characteristics and performance of a closed loop pulsating heat pipe,” in *Procedia*

- Engineering*, Elsevier Ltd, 2013, pp. 88–95. doi: 10.1016/j.proeng.2013.03.093.
- [8] B. Y. Tong, T. N. Wong, and K. T. Ooi, “Closed-loop pulsating heat pipe.” [Online]. Available: www.elsevier.com/locate/apthermeng
- [9] B. Verma, V. L. Yadav, and K. K. Srivastava, “Experimental Studies on Thermal Performance of a Pulsating Heat Pipe with Methanol/DI Water,” *Journal of Electronics Cooling and Thermal Control*, vol. 03, no. 01, pp. 27–34, 2013, doi: 10.4236/jectc.2013.31004.
- [10] P. R. Pachghare and A. M. Mahalle, “EFFECT OF INCLINATION ANGLE ON THE CLOSED LOOP PULSATING HEAT PIPE THERMAL PERFORMANCE,” Jul. 2013. [Online]. Available: <http://www.asme.org/about-asme/terms-of-use>
- [11] R. Zamani, K. Kalan, and M. B. Shafii, “Experimental investigation on thermal performance of closed loop pulsating heat pipes with soluble and insoluble binary working fluids and a proposed correlation,” *Heat and Mass Transfer/Waerme- und Stoffuebertragung*, vol. 55, no. 2, pp. 375–384, Feb. 2019, doi: 10.1007/s00231-018-2418-z.
- [12] M. Mameli, V. Manno, S. Filippeschi, and M. Marengo, “Thermal instability of a Closed Loop Pulsating Heat Pipe: Combined effect of orientation and filling ratio,” *Exp Therm Fluid Sci*, vol. 59, pp. 222–229, 2014, doi: 10.1016/j.expthermflusci.2014.04.009.
- [13] I. W. Sugita, “Studi Eksperimental Kinerja Pipa Kalor Fleksibel,” *Jurnal Konversi Energi dan Manufaktur*, vol. 3, no. 3, pp. 142–148, 2016, doi: 10.21009/jkem.3.3.5.
- [14] I. Hakim and R. Jati Kusumo, “Pemanfaatan CLPHP Untuk Konservasi Energi Gedung dan Solar Water Heater Dengan Fluida Kerja Acetone,” in *Seminar Nasional Tahunan Teknik Mesin XXII 2024*, Depok, Indonesia: Badan Kerja Sama Teknik Mesin Indonesia, 2025, pp. 244–251. doi: 10.71452/590794.

- [15] N. Putra, A. W. Politeknik, and N. Bali, “Kinerja Termal dan Pola Aliran Oscillating Heat Pipe dengan Fluida Kerja Ethanol.” [Online]. Available: <https://www.researchgate.net/publication/311045951>
- [16] P. Charoensawan, S. Khandekar, M. Groll, and P. Terdtoon, “Closed loop pulsating heat pipes - Part A: Parametric experimental investigations,” *Appl Therm Eng*, vol. 23, no. 16, pp. 2009–2020, Nov. 2003, doi: 10.1016/S1359-4311(03)00159-5.
- [17] H. Soedarmanto, “Pengaruh Sudut Kemiringan Terhadap Kinerja Termal Revolving Heat Pipe Alur Memanjang Dengan Fluida Kerja Metanol,” *INTEKNA Jurnal Informasi Teknik dan Niaga*, vol. 11, no. 1, 2011.
- [18] Y. Zhang, *HEAT PIPES: DESIGN, APPLICATIONS AND TECHNOLOGY*. Nova Science Publishers New York, 1965.
- [19] C. Sreenivasa Rao, A. Gupta, and K. Rama Narasimha, “Parametric characterization on the thermal performance of a closed loop pulsating heat pipe,” *Journal of Applied Fluid Mechanics*, vol. 9, no. 2, pp. 615–624, 2016, doi: 10.18869/acadpub.jafm.68.225.24449.
- [20] M. Marengo and V. S. Nikolayev, “Pulsating Heat Pipes: Experimental Analysis, Design and Applications,” 2018. [Online]. Available: www.worldscientific.com
- [21] H. J. Van Gerner, R. C. van Benthem, and J. van Es, “Fluid selection for space thermal control systems,” *National Aerospace Laboratory NLR*, Mar. 2014.
- [22] W. W. Wits, G. Groeneveld, and H. J. Van Gerner, “Experimental investigation of a flat-plate closed-loop pulsating heat pipe,” *J Heat Transfer*, vol. 141, no. 9, Sep. 2019, doi: 10.1115/1.4042367.
- [23] V. M. Patel, Gaurav, and H. B. Mehta, “Influence of working fluids on startup mechanism and thermal performance of a closed loop

- pulsating heat pipe,” *Appl Therm Eng*, vol. 110, pp. 1568–1577, Jan. 2017, doi: 10.1016/j.applthermaleng.2016.09.017.
- [24] K. S. Klasing, S. K. Thomas, and K. L. Yerkes, “Prediction of the Operating Limits of Revolving Helically Grooved Heat Pipes,” 1962. [Online]. Available: <http://heattransfer.asmedigitalcollection.asme.org/>
- [25] M. Barba, R. Bruce, F. Bouchet, A. Bonelli, and B. Baudouy, “Effects of filling ratio of a long cryogenic Pulsating Heat Pipe,” *Appl Therm Eng*, vol. 194, Jul. 2021, doi: 10.1016/j.applthermaleng.2021.117072.
- [26] S. Rudresha, E. R. Babu, and R. Thejaraju, “Experimental investigation and influence of filling ratio on heat transfer performance of a pulsating heat pipe,” *Thermal Science and Engineering Progress*, vol. 38, p. 101649, 2023, doi: <https://doi.org/10.1016/j.tsep.2023.101649>.
- [27] P. Venkataramana, P. Vijayakumar, and B. Balakrishna, “Experimental Investigation of Aluminum Oxide Nanofluid on Closed Loop Pulsating Heat Pipe Performance,” *Journal of Applied Fluid Mechanics*, vol. 15, no. 6, pp. 1947–1955, Nov. 2022, doi: 10.47176/jafm.15.06.1324.
- [28] M. J. Rajale, P. I. Prasad, and B. N. Rao, “A review on the heat transfer performance of pulsating heat pipes,” *Australian Journal of Mechanical Engineering*, vol. 21, no. 5, pp. 1658–1702, Oct. 2023, doi: 10.1080/14484846.2021.2024340.
- [29] A. Suci Ningsih *et al.*, “EFISIENSI TERMAL PRODUKSI STEAM DITINJAU DARI RASIO UDARA BAHAN BAKAR SOLAR PADA CROSS SECTION WATER TUBE BOILER THE THERMAL EFFICIENCY OF STEAM PRODUCTION IN TERMS OF AIR FUEL RATIO OF DIESEL IN THE CROSS SECTION WATER TUBE BOILER,” *Jurnal Kinetika*, vol. 12, no. 01, pp. 18–

22, 2021, [Online]. Available:
<https://jurnal.polsri.ac.id/index.php/kimia/index>

- [30] T. Sukchana and C. Jaiboonma, "Effect of filling ratios and adiabatic length on thermal efficiency of long heat pipe filled with R-134a," *Energy Procedia*, vol. 34, pp. 298–306, 2013, doi: 10.1016/j.egypro.2013.06.758.
- [31] I. W. Sugita, "PERPINDAHAN PANAS PIPA KALOR SUDUT KEMIRINGAN 0o, 30o, 45o, 60o, 90o," *Jurnal Konversi Energi dan Manufaktur*, vol. 1, no. 3, pp. 144–148, Oct. 2014, doi: 10.21009/jkem.1.3.5.
- [32] J. V. Suresh, P. Bhramara, and S. S. Krishna, "Effect of Working Fluid on Thermal Performance of Closed Loop Pulsating Heat Pipe," *Int J Eng Adv Technol*, vol. 9, no. 2, pp. 953–956, Dec. 2019, doi: 10.35940/ijeat.a2072.129219.
- [33] R. Zamani, K. Kalan, and M. B. Shafii, "Experimental investigation on thermal performance of closed loop pulsating heat pipes with soluble and insoluble binary working fluids and a proposed correlation," *Heat and Mass Transfer/Waerme- und Stoffuebertragung*, vol. 55, no. 2, pp. 375–384, 2019, doi: 10.1007/s00231-018-2418-z.

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