



DAFTAR PUSTAKA

- AÇikalin, T., Wait, S. M., Garimella, S. V., dan Raman, A. (2004). Experimental investigation of the thermal performance of piezoelectric fans. *Heat Transfer Engineering*, 25(1), 4–14.
- Al-Zareer, M., Dincer, I., dan Rosen, M. A. (2017). Novel thermal management system using boiling cooling for high-powered lithium-ion battery packs for hybrid electric vehicles. *Journal of Power Sources*, 363, 291–303.
- Cengel, Y. A. (2003). *Steady versus Transient Heat Transfer 63 Multidimensional Heat Transfer 64 Heat Generation 66*, 13–874.
- Cengel, Y. A., dan Boles, M. A., 2005, *Thermodynamics: An Engineering Approach 5th Edition*, new York: McGraw-Hill.
- Cengel, Y. A., dan Ghajar, A. J., 2015 *Heat and Mass Transfer*, New York: McGraw.
- Chuang, T. J., Chang, Y. H., dan Ferng, Y. M. (2019). Investigating effects of heating orientations on nucleate boiling heat transfer, bubble dynamics, and wall heat flux partition boiling model for pool boiling. *Applied Thermal Engineering*, 163, 1–12.
- Dong, Y., Yu, Y., Ibrahim, A., Hu, X., dan Hao, Y. (2023). Influence of liquid height on pool boiling heat transfer over open rectangular microchannels. *Applied Thermal Engineering*, 228, 120453, 1–12.
- El-Genk, M. S., dan Parker, J. L. (2008). Nucleate boiling of FC-72 and HFE-7100 on porous graphite at different orientations and liquid subcooling. *Energy Conversion and Management*, 49(4), 733–750.
- He, W., Ding, S., Zhang, J., Pei, C., Zhang, Z., Wang, Y., dan Li, H. (2021). Performance optimization of server water cooling system based on minimum energy consumption analysis. *Applied Energy*, 303, 1–10.
- Huang, G., Tang, K., Yu, S., Tang, Y., dan Zhang, S. (2022). Enhanced pool boiling heat transfer by metallic nanoporous surfaces under low pressure. *International Journal of Heat and Mass Transfer*, 184, 1–12.
- Jia, W., Lin, Y., Yang, F., dan Li, C. (2020). A novel lift-off diameter model for boiling bubbles in natural gas liquids transmission pipelines. *Energy Reports*, 6, 478–489.



- Jiang, Y., Zhou, G., Zhou, J., Zhou, F., dan Huai, X. (2022). Saturated pool boiling heat transfer of HFE-7100 on sintered copper powder and wire mesh microporous surfaces: A comparison study. *Applied Thermal Engineering*, 216, 1–10.
- Kong, X., Zhang, Y., dan Wei, J. (2018). Experimental study of pool boiling heat transfer on novel structured surfaces based on micro-pin-finned structure. *Experimental Thermal and Fluid Science*, 91, 9–19.
- Lee, J., Kim, J., Seo, B., Shin, D., Hwang, S., dan Choi, W. (2023). Layer-by-layer solution-processed two-dimensional graphene oxide–polyethylenimine thin-film coatings for enhanced pool boiling heat transfer. *International Journal of Heat and Mass Transfer*, 209, 1–12.
- Li, X. J., Zhang, J. Z., Chen, W. W., Tan, X. M., dan Lu, S. H. (2022). Effect of moving-orientation of the piezoelectric fan on thermal characteristics of the concave surfaces with different curvature. *International Journal of Heat and Mass Transfer*, 194, 1–18.
- Liang, G., dan Mudawar, I. (2018a). Pool boiling critical heat flux (CHF) – Part 1: Review of mechanisms, models, and correlations. Dalam *International Journal of Heat and Mass Transfer* (Vol. 117, hlm. 1352–1367). Elsevier Ltd.
- Liang, G., dan Mudawar, I. (2018b). Pool boiling critical heat flux (CHF) – Part 2: Assessment of models and correlations. Dalam *International Journal of Heat and Mass Transfer* (Vol. 117, hlm. 1368–1383). Elsevier Ltd.
- Lin, L., Hu, Y., Su, Z., Zhu, M., Huang, J., dan Fan, C. (2022). Comparative study of pool boiling heat transfer on different subtractive surfaces. *International Journal of Heat and Mass Transfer*, 195, 1–12.
- Liu, B., Yang, X., Jie, Z., Wei, J., dan Li, Q. (2022). Enhanced pool boiling on micro-nano composites surfaces with nanostructures on micro-pin-fins. *International Journal of Heat and Mass Transfer*, 190, 1–11.
- Murshed, S. (2019). Introductory Chapter: A Brief Note on Advanced Cooling Technologies. Dalam *Advanced Cooling Technologies and Applications*. IntechOpen, 2–9.



- Milisavljevic-Syed, J., Lane Thames, J., dan Schaefer, D. (2020). The digitization of design and manufacturing: A state-of-the-art report on the transition from strategic vision to implementation in industry. *Procedia CIRP*, 93, 575–580.
- Može, M., Zupančič, M., dan Golobič, I. (2020). Investigation of the scatter in reported pool boiling CHF measurements including analysis of heat flux and measurement uncertainty evaluation methodology. *Applied Thermal Engineering*, 169, 1–18.
- Mt Aznam, S., Mori, S., Sakakibara, F., dan Okuyama, K. (2016). Effects of heater orientation on critical heat flux for nanoparticle-deposited surface with honeycomb porous plate attachment in saturated pool boiling of water. *International Journal of Heat and Mass Transfer*, 102, 1345–1355.
- Mudawar, I. (2013). Recent advances in high-flux, two-phase thermal management. *Journal of Thermal Science and Engineering Applications*, 5(2), 1–15.
- Murshed, S. M., dan Nieto De Castro, C. A. (2018). Nanoparticles-loaded fluids for cooling modern electronics. *AIP Conference Proceedings*, 1980, 2–8.
- Pastuszko, R., Kaniowski, R., dan Wójcik, T. M. (2020). Comparison of pool boiling performance for plain micro-fins and micro-fins with a porous layer. *Applied Thermal Engineering*, 166, 1–19.
- Purnomo, Y. R. (2021) Studi Performa dan Dinamika Gelembung Perpindahan Kalor Pool Boiling pada Berbagai Struktur Fin dan Sudut Orientasi. A Thesis for the Requirement of Master Degree, Gadjah Mada University, 38–40.
- Pranoto, I., Leong, K. C., dan Jin, L. W. (2012a). The role of graphite foam pore structure on saturated pool boiling enhancement. *Applied Thermal Engineering*, 42, 163–172.
- Pranoto, I., Leong, K. C., dan Jin, L. W. (2012b). The role of graphite foam pore structure on saturated pool boiling enhancement. *Applied Thermal Engineering*, 42, 163–172.
- Pranoto, I., Rahman, M. A., dan Waluyo, J. (2022). The Role of Pin Fin Array Configurations and Bubble Characteristics on the Pool Boiling Heat Transfer Enhancement. *Fluids*, 7(7), 232, 1–18.
- Rob van Gils, M., dan Speetjens, H. N. (2011). *Boiling Heat Transfer in Battery Electric Vehicles*, 2–13.



- Sarkar, S., Gupta, R., Roy, T., Ganguly, R., dan Megaridis, C. M. (2023). Review of jet impingement cooling of electronic devices: Emerging role of surface engineering. Dalam *International Journal of Heat and Mass Transfer* (Vol. 206). Elsevier Ltd, 1–23.
- Sharifzadeh, A. M., Moghadasi, H., Shakeri, H., dan Saffari, H. (2022). Influence of bubble departure control on nucleate pool boiling heat transfer of electrodeposited copper foam: Experiments and correlation. *International Communications in Heat and Mass Transfer*, 138, 1–15.
- Staats, W. L., dan Brisson, J. G. (2015). Active heat transfer enhancement in air cooled heat sinks using integrated centrifugal fans. *International Journal of Heat and Mass Transfer*, 82, 189–205.
- Wang, D. H., Wang, M. Z., Peng, Y. H., dan Zhang, Y. (2022). Printed circuit board process based thermopile-type heat flux sensor used for monitoring chips. *Applied Thermal Engineering*, 205, 1–15.
- Wu, N., Chen, Y., Lin, B., Li, J., dan Zhou, X. (2022). Thermal performance evaluation of boiling cooling system for the high-rate large-format lithium-ion battery under coolant starvations. *Journal of Energy Storage*, 55, 1–10.
- Xiong, K., Meng, L., dan Wang, S. (2022). Design, fabrication, investigation and analysis of a novel flat evaporator loop heat pipe for cooling high heat flux server chips. *Applied Thermal Engineering*, 201, 1–18.
- Zhang, Y., Ma, X., Zhu, Z., Duan, L., dan Wei, J. (2021). Critical heat flux prediction model of pool boiling heat transfer on the micro-pillar surfaces. *Case Studies in Thermal Engineering*, 28, 1–15.
- Zhong, D., Meng, J., Li, Z., dan Guo, Z. (2015). Critical heat flux for downward-facing saturated pool boiling on pin fin surfaces. *International Journal of Heat and Mass Transfer*, 87, 201–211.
- Zhou, G., Zhou, J., Huai, X., Zhou, F., dan Jiang, Y. (2022). A two-phase liquid immersion cooling strategy utilizing vapor chamber heat spreader for data center servers. *Applied Thermal Engineering*, 210, 1–10.