

DAFTAR PUSTAKA

- Arik, M., Petroski, J., Bar-Cohen, A., Demiroglu, M., 2007, *ASME 2007 International Mechanical Engineering Congress and Exposition*, Seattle, WA, pp. 1347-1354.
- Bar-Cohen, A., Kraus, A.D., Davidson, S.F., 1983, Thermal Frontiers in the Design and Packaging of Microelectronic Equipment, *Mechanical Engineering*, 105(3), 53-59.
- Bejan, A., Kraus, A.D., 2003, *Heat Transfer Handbook*, John Wiley and Son, New York.
- Bell, D.A., 1975, *Fundamentals of Electronic Devices*, Reston Publishing Company, Virginia.
- Dorobantu, L. Popescu, M.O., Popescu, C.L., Craciunescu, A., 2013, Experimental Assessment of PV Panels Front Water Cooling Strategy, *International Conference on Renewable Energies and Power Quality*, Bilbao, pp. 1009-1012.
- Boyd, R.D., 1985, Subcooled Flow Boiling Critical Heat Flux (CHF) And Its Application To Fusion Energy Components—Part I. A Review of Fundamentals of CHF and Related Database, *Fusion Tech.*, 7, 7-31.
- Cengel, Y.A., 2003, *Heat Transfer : A Practical Approach, Second Edition*, McGraw-Hill, New York.
- Deng, D., Feng, J., Huang, Q., Tang, Y., Lian, Y., 2016, Pool Boiling Heat Transfer of Porous Structures With Reentrant Cavities, *International Journal of Heat and Mass Transfer*, 99, 556-568.
- El-Genk, M.S., Bostanci, H., 2003, Saturation Boiling of HFE-7100 from A Copper Surface, Simulating A Microelectronic Chip, *International Journal of Heat and Mass Transfer*, 46, 1841-1854.
- Gheitaghy, A.M., Saffari, H., Mohebbi, M., Investigation Pool Boiling Heat Transfer in U-Shaped Mesochannel with Electrodeposited Porous Coating, *Experimental Thermal and Fluid Science*, 76, 87-97.

- IBM Web Information, 2006, available online on: <http://www.zurich.ibm.com/news/06/cooling.html> (diakses pada 15 September 2018).
- Jaikumar, A., Kandlikar, S.G., Ultra-High Pool Boiling Performance And Effect of Channel Width with Selectively Coated Open Microchannels, *International Journal of Heat and Mass Transfer*, 95, 795-805.
- Jun, S., Kim, J., You, S.M., Kim, H.Y., 2016, Effect of Heater Orientation on Pool Boiling Heat Transfer From Sintered Copper Microporous Coating in Saturated Water, *International Journal of Heat and Mass Transfer*, 103, 277-284.
- Kapsenberg, F., Thiagarajan, N., Narayan, V., Bhavnani, S., 2012, Lateral Motion of Bubbles from Surfaces with Mini Ratchet Topography Modifications During Pool Boiling- Experiments and Preliminary Model, *13th IEEE ITherm Conference*, San Diego, CA, pp. 165-175.
- Kheirabadi, A.C., Groulx, D., 2016, Cooling of Server Electronics: A Design Review of Existing Technology, *Applied Thermal Engineering*, 105, 622-638.
- Kraus, A.D., Allan, D., Bar-Cohen, A., 1983, *Thermal Analysis and Control of Electronic Equipment*, Hemisphere Publishing Corporation, Washington.
- Lenk, J.D., 1978, *Handbook of Integrated Circuits : For Engineers and Technicians*, Reston Publishing Company, Virginia.
- Liang, G., dan Mudawar, I., 2018, Pool Boiling Critical Heat Flux (CHF) – Part 1: Review of Mechanism, Models, and Correlations, *International Journal of Heat and Mass Transfer*, 117, 1352-1367.
- Liang, G., dan Mudawar, I., 2018, Pool Boiling Critical Heat Flux (CHF) – Part 2: Assessment of Models and Correlations, *International Journal of Heat and Mass Transfer*, 117, 1368-1383.
- Mei, Y., Shao, Y., Gong, S., Zhu, Y., Gu, H., Effects of Surface Orientation and Heater Material on Heat Transfer Coefficient and Critical Heat Flux of Nucleate Boiling, *International Journal of Heat and Mass Transfer*, 121, 632-640.

- Milanova, D., Kumar, R., 2008, Heat Transfer Behavior of Silica Nanoparticles in Pool Boiling Experiment, *Journal of Heat Transfer*, 130(4), 042401.
- Mudawar, I., 2001, Assessment of High-Heat-Flux Thermal Management Schemes, *IEEE Transactions on Components and Packaging Technologies*, 24, 122-141.
- Mudawar, I., 2013, Recent Advances in High-Flux, Two-Phase Thermal Management, *Journal of Thermal Science and Engineering Applications*, 5(2), 021012.
- Murhsed, S.M.S., dan Castro, C.A.N., 2017, A Critical Review of Traditional And Emerging Techniques and Fluids for Electronics Cooling, *Renewable and Sustainable Energy Reviews*, 77, 821-833.
- Narayan, G.P., Anoop, K.B., Sateesh, G., Das, S.K., Effect of Surface Orientation on Pool Boiling Heat Transfer of Nanoparticle Suspensions, *International Journal of Multiphase Flow*, 34, 145-160.
- Okawa, T., Takamura, M., Kamiya, T., 2012, Boiling Time Effect on CHF Enhancement in Pool Boiling of Nanofluids, *International Journal of Heat and Mass Transfer*, 55, 2719-2725.
- Petroski, J., Arik, M., Gursay, M., 2010, Optimization of Piezoelectric Oscillating Fan-Cooled Heat Sinks for Electronics Cooling, *IEEE Transactions on Components and Packaging Technologies*, 33, 25-31.
- Pranoto, I., Leong, K.C., Jin, L.W., 2012, The Role of Graphite Foam Pore Structure on Saturated Pool Boiling Enhancement, *Applied Thermal Engineering*, 42, 163-172.
- Qin, S.F., dan Cheng, K., 2017, Future Digital Design and Manufacturing: Embracing Industry 4.0 and Beyond, *Chinese Journal of Mechanical Engineering*, 30(5), 1047-1049.
- Reddy, S.R., Ebadian, M.A., Lin, C.X., 2015, A Review of PV–T Systems: Thermal Management and Efficiency With Single Phase Cooling, *International Journal of Heat and Mass Transfer*, 91, 861-871.
- Rogers, C.S., Mills, D.M., Lee, W.K., Holmberg, J., Freund, A., Wulff, M., Rossat, M., Hanfland, M., Yamaoka, H., 1995, Performance of A Liquid-Nitrogen-

- Cooled, Thin Silicon Crystal Monochromator on A High-Power, Focussed Wiggler Synchrotron Beam, *Rev. Sci. Instrum.*, 66, 3493-3499.
- Sathyamurthi, V., Ahn, H.S., Banerjee, D., Lau, S.C., 2009, Subcooled Pool Boiling Experiments on Horizontal Heaters Coated With Carbon Nanotubes, *Journal of Heat Transfer*, 131(7), 071501.
- Scott, W.A., 1974, *Cooling of Electronic Equipment*, John Wiley and Son, New York.
- 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.
- Sur, A., Lu, Y., Pascente, C., Ruschhoeft, P., Liu, D., Pool Boiling Heat Transfer Enhancement with Electrowetting, *International Journal of Heat and Mass Transfer*, 120, 202-217.
- Wang, W., Wu, F., Yu, Q., Jin, H., 2018, Experimental Investigation of Titanium Tetrachloride in Pool Boiling Heat Transfer, *International Journal of Heat and Mass Transfer*, 122, 1308-1312.
- Xie, S., Beni, M.S., Cai, J., Zhao, J., 2018, Review of Critical-Heat-Flux Enhancement Methods, *International Journal of Heat and Mas Transfer*, 122, 275-289.
- Yang, Y.M., dan Maa, J.R., 1984, Boiling of Suspension of Solid Particles in Water, *International Journal of Heat and Mas Transfer*, 27, 145-147.
- Zhu, L., Boehm, R.F., Wang, Y., Halford, C., Sun, Y., 2011, Water Immersion Cooling of PV Cells in A High Concentration System, *Solar Energy Materials and Solar Cell*, 95, 538-545.