

## DAFTAR PUSTAKA

- Ali M.I., Sadatomi M., Kawaji, M., 1993, Two-phase flow in narrow channels between two flat plates, *The Canadian Journal of Chemical Engineering*, vol. 71, hal. 657-666.
- Azzopardi B.T., Whalley P.B., 1982, The effect of flow patterns on two phase flow in a T-junction, *International Journal of Multiphase Flow*, vol. 8, hal. 491-507.
- Deendarlianto, Indarto, Sudarja S., 2018, Studi Eksperimental Aliran Dua Fase Gas-cairan pada Pipa Berukuran Mini, Desertasi Program Pascasarjana Fakultas Teknik, UGM.
- Chung P. Y., Kawaji M., 2004, The effect of channel diameter on adiabatic two-phase flow characteristics in microchannel, *International Journal of Multiphase Flow*, vol. 30, hal. 735-761.
- Elazhary A. M., Soliman H. M., 2012, Two-phase flow in a horizontal mini-size impacting T-junction with a rectangular cross-section, *International Journal of Multiphase Flow*, vol. 42, hal. 104-114.
- Fukano T., Kariyasaki A., 1993, Characteristics of gas liquid two phase flow in a capillary tube, *Nuclear Engineering and Design*, vol. 141, hal. 59-68.
- Hassan I., Pehlivan K., Vaillancourt M., 2006, Experimental study on two-phase flow and pressure drop in millimeter-size channel, *Applied Thermal Engineering*, vol. 26, hal. 1506-1514.
- Kandlikar S. G., Grande W. J., 2003, Evolution of microchannel flow passage-thermohidraulik performance and fabrication technology, *Heat Transfer Engineering*, vol. 24, hal. 3-17.
- Kawahara A., Chung P. M., Kawaji M., 2002, Investigation of two-phase flow pattern, void fraction, and pressure drop in a microchannel, *International Journal of Multiphase Flow*, vol.

28, hal. 1411-1435.

Yamamoto K., Ogata S., 2013, Effects of T-junction size on bubble generation and flow instability for two-phase flow in circular microchannels, *International Journal of Multiphase Flow*, vol. 49, hal. 24-30.

Liu D., Sur A., 2012, Adiabatic air-water two-phase flow in circular microchannels, *International Journal of Thermal Sciences*, vol. 53, hal. 18-34.

Majumder A., Majumder S., 2015, Effect of Corner Radius of a T-Junction Mini-Square Channel on Fluid Flow and Heat Transfer in the Developing Region: A Three Dimensional Numerical Simulation, *Procedia Engineering*, vol. 105, hal. 89-95.

De Menech M., Garstecki P., Jousse F., Stone H. A., 2008, Transition from squeezing to dripping in a microfluidic T-shaped junction, *Journal of Fluid Mechanics*, vol. 595, hal. 141-161.

Mishima K., Hibiki T., 1996, Some characteristics of air-water two-phase flow in small diameter vertical tubes, *International Journal of Multiphase Flow*, vol 2, hal. 703-712.

Mogra A., Verma S. K., Thomas T., 2016, Fabrication of square microchannel for experimental investigation of two phase flow using conventional machining process, *Perspective in Science*, vol. 8, hal. 231-233.

Santos R. M., Kawaji M., 2009, Numerical modelling and experimental investigation of gas-liquid slug formation in a microchannel T-junction, *International Journal of Multiphase Flow*, vol. 36, hal. 314-323.

Seemann R., Brinkmann M., Pfohl T., Herminghaus S., 2012, Droplet based microfluidics, *Report on Progress in Physics*, vol. 75.

Serizawa A., Feng Z., Kawara Z., 2002, Two-phase flow in microchannels, *Experimental Thermal and Fluid Science*, vol.

26, hal. 703-714.

Sukamta S., Sudarja S., 2019, Korelasi Signifikan antara Kecepatan Superfisial dan Viskositas Cairan Menggunakan Pola Aliran Dua Fase pada Pipa Mini dengan Kemiringan 30°, *Jurnal Program Studi Teknik Mesin*, vol. 8, hal. 33-39.

Arias S., Gonzales-Cinca R., 2016, Analysis of characteristic lengths in the bubble and slug flow regimes generated in a capillary T-junction, *International Journal of Multiphase Flow*, vol. 87, hal. 167-174.

Triplett K. A., Ghiaasiaan S. M., Abdel-Khalik S. I., Sadowski D. L., 1999, Gas-Liquid two phase flow in microchannels Part I: Two-phase flow pattern, *International Journal of Multiphase Flow*, vol. 25, hal. 377-394.

Stacey T., Azzopardi B. J., Conte G., 2000, The split of annular two-phase flow at a small diameter T-junction, *International Journal of Multiphase Flow*, vol.26, hal. 845-856.

Ujang P. M., Lawrance C. J., Hale C. P., Hewitt G. F., 2006, Slug Initiation and Evolution in Two Phase Horizontal Flow, *International Journal of Multiphase Flow*, vol.32, hal. 527-552.

Wegmann A., 2005, *Multiphase flows in small scale pipes*, Doctoral dissertation, ETH Zurich.

Yang C. Y., Shieh C. C., 2001, Flow pattern of air-water and two-phase flow R-134a in small circular tubes, *International Journal of Multiphase Flow*, vol.27, hal. 1163-1177.