DAFTAR PUSTAKA

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

Barnea, D., Luninski, Y., & Taitel, Y. (1983). Flow pattern in horizontal and vertical two phase flow in small diameter pipes. Canadian Journal of Chemical Engineering, 61, 617-620.

Chung, P.M., & Kawaji, M. (2004). The effect of channel diameter on adiabatic two-phase flow characteristics in microchannels ☆. International Journal of Multiphase Flow, 30, 735-761.

Coleman, J.W., & Garimella, S.S. (1999). Characterization of two-phase flow patterns in small diameter round and rectangular tubes. International Journal of Heat and Mass Transfer, 42, 2869-2881

Dukler, A.E., & Hubbard, M.G. (1975). A Model for Gas-Liquid *Slug* Flow in Horizontal and Near Horizontal Tubes. Industrial & Engineering Chemistry Fundamentals, 14, 337-347.

Elazhary, A., & 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, 42, 104-114.

Fukano, T., & Kariyasaki, A. (1993). Characteristics of gas-liquid two-phase flow in a capillary tube. Nuclear Engineering and Design, 141, 59-68.

Ho, C. M., & Tai, Y. C. (1998). Micro-electro-mechanical-systems (MEMS) and fluid flows. Annual review of fluid mechanics, 30(1), 579-612.

Humami, F., Dinaryanto, O., Hudaya, A.Z., Widyatama, A., Indarto, & Deendarlianto (2018). Experimental study on the characteristics of flow pattern transitions of air-water two-phase flow in a horizontal pipe.

Kandlikar, S.G., & Grande, W.J. (2002). Evolution of microchannel flow passages – Thermohydraulic performance and fabrication technology. Taylor and Francis, 24.

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, 28, 1411-1435.

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, 105, 89-95.

Mandhane, J.M., Gregory, G.A., & Aziz, K. (1974). A flow pattern map for gas—liquid flow in horizontal pipes. International Journal of Multiphase Flow, 1, 537-553.

McAndrew, A. (2015). A Computational Introduction to Digital Image Processing.

Nayak, R., Lobo, O.J., Chatterjee, D., & Das, S. (2018). Effect of geometrical parameters on *slug* behavior and two phase pressure drop in microchannel T-junctions. Chemical Engineering and Processing, 130, 76-87.

Qian, D., & Lawal, A. (2006). Numerical study on gas and liquid *slug*s for Taylor flow in a T-junction microchannel. Chemical Engineering Science, 61, 7609-7625.

Santos, R.M., & Kawaji, M. (2010). Numerical modeling and experimental investigation of gas—liquid *slug* formation in a microchannel T-junction. International Journal of Multiphase Flow, 36, 314-323.

Sudarja, Haq, A., Deendarlianto, Indarto, & Widyaparaga, A. (2018). Experimental study on the flow pattern and pressure gradient of air-water two-phase flow in a horizontal circular mini-channel. Journal of Hydrodynamics, 31, 102-116.

Suo, M., & Griffith, P. (1964). Two phase flow in capillary tubes. Journal of Basic Engineering, 86, 576-582.

Taitel, Y., & Dukler, A.E. (1976). A model for predicting flow regime transitions in horizontal and near horizontal gas-liquid flow. Aiche Journal, 22, 47-55.

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 patterns. International Journal of Multiphase Flow, 25, 377-394.

Ujang, P.M., Lawrence, C.J., Hale, C.P., & Hewitt, G.F. (2006). *Slug* initiation and evolution in two-phase horizontal flow. International Journal of Multiphase Flow, 32, 527-552.

Wallis, G.B. (1969). One Dimensional Two-Phase Flow.

Weisman, J., Duncan, D., Gibson, J., & Crawford, T.J. (1979). Effects of fluid properties and pipe diameter on two-phase flow patterns in horizontal lines. International Journal of Multiphase Flow, 5, 437-462.

Widyatama, A., Dinaryanto, O., Indarto, & Deendarlianto (2018). The development of image processing technique to study the interfacial behavior of air-water *slug* two-phase flow in horizontal pipes. Flow Measurement and Instrumentation, 59, 168-180.

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

Yang, C., & Shieh, C. (2001). Flow pattern of air–water and two-phase R-134a in small circular tubes. International Journal of Multiphase Flow, 27, 1163-117