DAFTAR PUSTAKA

Agostini, B., Revellin, R., & Thome, J. R. (2008). Elongated bubbles in microchannels. Part I: Experimental study and modeling of elongated bubble velocity. *International Journal of Multiphase Flow*, *34*(6), 590–601. https://doi.org/10.1016/j.ijmultiphaseflow.2007.07.007

Asadi, M., Xie, G., & Sundén, B. (2014). A review of heat transfer and pressure drop characteristics of single and two-phase microchannels. *International Journal of Heat and Mass Transfer*, *79*, 34–53. https://doi.org/10.1016/j.ijheatmasstransfer.2014.07.090

Awad, M. M., & Muzychka, Y. S. (2008). Effective property models for homogeneous two-phase flows. *Experimental Thermal and Fluid Science*, *33*(1), 106–113. https://doi.org/10.1016/j.expthermflusci.2008.07.006

Barnea, D., Luninski, Y., & Taitel, Y. (1983). Flow pattern in horizontal and vertical two phase flow in small diameter pipes. *The Canadian Journal of Chemical Engineering*, *61*(5), 617–620. https://doi.org/10.1002/cjce.5450610501

Cheng, L., Gu, H., Zhang, J., Zhu, F., X, Y., & Meng, Z. (2023). An experimental study on interfacial parameters in a narrow rectangular channel under different flow regimes. *Progress in Nuclear Energy*, *159*, 104644. https://doi.org/10.1016/j.pnucene.2023.104644

Chinnov, E. A., Ronshin, F. V., & Kabov, O. (2015). Regimes of two-phase flow in micro- and minichannels (review). *Thermophysics and Aeromechanics*, *22*(3), 265–284. https://doi.org/10.1134/s0869864315030014

Chisholm, D. (1967). A theoretical basis for the Lockhart-Martinelli correlation for two-phase flow. *International Journal of Heat and Mass Transfer*, *10*(12), 1767–1778. https://doi.org/10.1016/0017-9310(67)90047-6

Chung, P. M., Kawaji, M., Kawahara, A., & Shibata, Y. (2004). Two-Phase flow through square and circular Microchannels—Effects of channel geometry. *Journal of Fluids Engineering-transactions of the Asme*, *126*(4), 546–552. https://doi.org/10.1115/1.1777227

Das, S. K., & Chatterjee, D. (2023). Vapor liquid two phase flow and phase change. In *Springer eBooks*. https://doi.org/10.1007/978-3-031-20924-6

Feng, K., & Zhang, H. (2021). Pressure drop and flow pattern of gas-non-Newtonian fluid two-phase flow in a square microchannel. *Chemical Engineering Research and Design*, *173*, 158–169. https://doi.org/10.1016/j.cherd.2021.07.010

Fu, T., & Fünfschilling, D. (2011). Bubble formation in non-Newtonian fluids in a microfluidic T-junction. *Chemical Engineering and Processing - Process Intensification*, *50*(4), 438–442. https://doi.org/10.1016/j.cep.2011.03.002

Hassan, I., Vaillancourt, M., & Pehlivan, K. (2005). Two-Phase flow regime Transitions in Microchannels: A Comparative Experimental study. *Microscale Thermophysical Engineering*, *9*(2), 165–182. https://doi.org/10.1080/10893950590945049

Huang, Y., Shu, B., Zhou, S., & Shi, Q. (2021). Experimental Investigation and Prediction on Pressure Drop during Flow Boiling in Horizontal

Microchannels. *Micromachines*, *12*(5), 510. https://doi.org/10.3390/mi12050510

Hwang, Y., & Kim, M. S. (2006). The pressure drop in microtubes and the correlation development. *International Journal of Heat and Mass Transfer*, *49*(11–12), 1804–1812. https://doi.org/10.1016/j.ijheatmasstransfer.2005.10.040

Ide, H., Kariyasaki, A., & Fukano, T. (2007). Fundamental data on the gas–liquid two-phase flow in minichannels. *International Journal of Thermal Sciences*, *46*(6), 519–530. https://doi.org/10.1016/j.ijthermalsci.2006.07.012

Kandlikar, S., Garimella, S., Li, D., Colin, S., & King, M. R. (2013). *Heat transfer and fluid flow in minichannels and microchannels*. Butterworth-Heinemann.

Kawahara, A., Mansour, M. H., Sadatomi, M., Law, W. Z., Kurihara, H., & Kusumaningsih, H. (2015). Characteristics of gas–liquid two-phase flows through a sudden contraction in rectangular microchannels. *Experimental Thermal and Fluid Science*, *66*, 243–253. https://doi.org/10.1016/j.expthermflusci.2015.03.030

Kawahara, A., Sadatomi, M., Nei, K., & Matsuo, H. (2011). Characteristics of Two-Phase Flows in a Rectangular Microchannel with a T-Junction Type Gas-Liquid Mixer. *Heat Transfer Engineering*, *32*(7–8), 585–594. https://doi.org/10.1080/01457632.2010.509752

Kawahara, A., Yonemoto, Y., & Arakaki, Y. (2020a). Pressure drop for gas and polymer aqueous solution Two-Phase flows in horizontal circular microchannel. *Flow, Turbulence and Combustion*, *105*(4), 1325–1344. https://doi.org/10.1007/s10494-020-00127-z

Kawahara, A., Yonemoto, Y., & Arakaki, Y. (2020b). Pressure drop for gas and polymer aqueous solution Two-Phase flows in horizontal circular microchannel. *Flow, Turbulence and Combustion*, *105*(4), 1325–1344. https://doi.org/10.1007/s10494-020-00127-z

Kim, S., & Mudawar, I. (2012). Universal approach to predicting two-phase frictional pressure drop for adiabatic and condensing mini/micro-channel flows. *International Journal of Heat and Mass Transfer*, *55*(11–12), 3246–3261. https://doi.org/10.1016/j.ijheatmasstransfer.2012.02.047

Kozicki, W., Chou, C. H., & Tiu, C. (1966). Non-Newtonian flow in ducts of arbitrary cross-sectional shape. *Chemical Engineering Science*, *21*(8), 665–679. https://doi.org/10.1016/0009-2509(66)80016-7

Li, W., & Wu, Z. (2010a). A general criterion for evaporative heat transfer in micro/mini-channels. *International Journal of Heat and Mass Transfer*, *53*(9–10), 1967–1976. https://doi.org/10.1016/j.ijheatmasstransfer.2009.12.059

Li, W., & Wu, Z. (2010b). A general correlation for adiabatic two-phase pressure drop in micro/mini-channels. *International Journal of Heat and Mass Transfer*, *53*(13–14), 2732–2739. https://doi.org/10.1016/j.ijheatmasstransfer.2010.02.029

Mansour, M. H., Kawahara, A., & Sadatomi, M. (2015). Experimental investigation of gas–non-Newtonian liquid two-phase flows from T-junction mixer in rectangular microchannel. *International Journal of Multiphase Flow*, *72*, 263–274. https://doi.org/10.1016/j.ijmultiphaseflow.2015.02.019

Mishima, K., & Hibiki, T. (1996). Some characteristics of air-water two-phase flow in small diameter vertical tubes. *International Journal of Multiphase Flow*, *22*(4), 703–712. https://doi.org/10.1016/0301-9322(96)00010-9

Pehlivan, K., Hassan, I., & Vaillancourt, M. (2006). Experimental study on two-phase flow and pressure drop in millimeter-size channels. *Applied Thermal Engineering*, *26*(14–15), 1506–1514. https://doi.org/10.1016/j.applthermaleng.2005.12.010

Revellin, R., Agostini, B., & Thome, J. R. (2008). Elongated bubbles in microchannels. Part II: Experimental study and modeling of bubble collisions. *International Journal of Multiphase Flow*, *34*(6), 602–613. https://doi.org/10.1016/j.ijmultiphaseflow.2007.07.006

Shah, R. K., London, A. L., & White, F. M. (1978). Laminar flow forced convection in ducts. In *Elsevier eBooks*. https://doi.org/10.1016/c2013-0-06152-x

Shin, H., & Kim, S. (2022a). Experimental investigation of two-phase flow regimes in rectangular micro-channel with two mixer types. *Chemical Engineering Journal*, *448*, 137581. https://doi.org/10.1016/j.cej.2022.137581

Shin, H., & Kim, S. (2022b). Generalized flow regime map for two-phase mini/micro-channel flows. *International Journal of Heat and Mass Transfer*, *196*, 123298. https://doi.org/10.1016/j.ijheatmasstransfer.2022.123298

Taitel, Y., & Dukler, A. E. (1976). A model for predicting flow regime transitions in horizontal and near horizontal gas-liquid flow. *AIChE Journal*, *22*(1), 47–55. https://doi.org/10.1002/aic.690220105

Wang, C., Chiang, C. S., & Lu, D. C. (1997). Visual observation of two-phase flow pattern of R-22, R-134a, and R-407C in a 6.5-mm smooth tube. *Experimental Thermal and Fluid Science*, *15*(4), 395–405. https://doi.org/10.1016/s0894-1777(97)00007-1

Widyatama, A., Dinaryanto, O., Indarto, I., & 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. https://doi.org/10.1016/j.flowmeasinst.2017.12.015

Zhang, T., Cao, B., Fan, Y., Gonthier, Y., Luo, L., & Wang, S. (2011). Gas–liquid flow in circular microchannel. Part I: Influence of liquid physical properties and channel diameter on flow patterns. *Chemical Engineering Science*, *66*(23), 5791–5803. https://doi.org/10.1016/j.ces.2011.07.035