

## DAFTAR PUSTAKA

- Anslys, tanpa tanggal, *Fluent Theory Guide*,  
[https://ansyshelp.ansys.com/account/secured?returnurl=/Views/Secured/corp/v202/en/flu\\_th/flu\\_th.html](https://ansyshelp.ansys.com/account/secured?returnurl=/Views/Secured/corp/v202/en/flu_th/flu_th.html) (Diakses: 4 September 2020).
- Astyanto, A. H., Rahman, Y., Medha, A. Y. A., Deendarlianto, dan Indarto, Pengaruh rasio I/D terhadap permulaan flooding dan fluktuasi voltase sinyal tekanan rezim flooding pada geometri kompleks (1), *Rekayasa Mesin, submitted for publication*.
- Astyanto, A. H., Rahman, Y., Medha, A. Y. A., Deendarlianto, dan Indarto, Time-series differential pressure fluctuations of a flooding regime: A preliminary experimental results investigation on a 1 / 30 down- scaled PWR hot leg geometry (2), *11<sup>th</sup> International Conference on Thermofluid 2020, submitted for publication*.
- Badarudin, A. dan Saka, A., 2014, Studi Visualisasi terhadap Fenomena Flooding Air-udara pada Pipa Kompleks, *Proceeding Seminar Nasional Tahunan Teknik Mesin XIII*, Yogyakarta, hal. 15–16,.
- Badarudin, A., Setyawan, A., Dinaryanto, O., Widiyatama, A., Indarto, dan Deendarlianto, 2018, Interfacial behavior of the air-water counter-current two-phase flow in a 1/30 scale-down of pressurized water reactor (PWR) hot leg, *Annals of Nuclear Energy*, **116**, hal. 376–387.
- Deendarlianto, Höhne, T., Lucas, D., Vallée, C., dan Zabala G., 2011, CFD studies on the phenomena around counter-current flow limitations of gas/liquid two-phase flow in a model of a PWR hot leg, *Nuclear Engineering Design*, **241**(12), hal. 5138–5148.
- Deendarlianto, Höhne, T., Lucas, D., dan Vierow, K., 2012, Gas-liquid countercurrent two-phase flow in a PWR hot leg: A comprehensive research review, *Nuclear Engineering and Design*, **243**(2), hal. 214–233.
- Deendarlianto, Ousaka, A., Indarto, Kariyasaki, A., Lucas, D., Vierow, K., Vallee, C., dan Hogan, K., 2010, The effects of surface tension on flooding in counter-current two-phase flow in an inclined tube, *Experimental Thermal and Fluid Science*, **34**(7), hal. 813–826.
- Ghiaasiaan, S., 2007, *Two-phase flow, boiling and condensation: In conventional and miniature systems*, Cambridge University Press, Cambridge.
- Glycerine Producers' Association, 1963, *Physical Properties of Glycerine and Its Solutions*, Glycerine Producers' Association, New York.
- Haynes, W. M., 2016, *CRC Handbook of Chemistry and Physics*. 97 ed., CRC Press LLC Florence : Taylor & Francis Group, Boca Raton.
- Jareteg, K., 2013, *Coupled solvers and more, CFD with open source*, Sweden, Chalmers University of Technology.
- Kinoshita, I., Murase, M., Utanohara, Y., Minami, N., dan Tomiyama, A., 2010, Numerical Simulation of Countercurrent Gas-Liquid Flow in a PWR Hot Leg under Reflux Cooling, *Journal of Nuclear Science and Technology*, **47**(10), hal. 963–972.
- Kinoshita, I., Nriai, T., Tomiyama, A., Lucas, D., dan Murase, M., 2011, Effects of Liquid Properties on CCFL in a Scaled-Down Model of a PWR Hot Leg, *Journal of Power and Energy Systems*, **5**(3), hal. 316–329.
- Kuron, M., 2016, *3 Criteria for Assessing CFD Convergence*,  
<https://www.engineering.com/DesignSoftware/DesignSoftwareArticles/ArticleID/>

- Mouza, A. A., Pantzali, M. N. dan Paras, S. V., 2005, Falling film and flooding phenomena in small diameter vertical tubes: The influence of liquid properties, *Chemical Engineering Science*, **60**(18), hal. 4981–4991.
- Murase, M., Utanohara, Y., Kinoshita, I., Yanagi, C., Takata, T., Yamaguchi, A., dan Tomiyama, A., 2012 VOF simulations of countercurrent gas-liquid flow in a PWR hot leg, *Journal of Computational Multiphase Flows*, **4**(4), hal. 375–386.
- Ohnuki, A., 1986, Experimental Study of Counter-Current Two-Phase Flow in Horizontal Tube Connected to Inclined Riser, *Journal of Nuclear Science and Technology*, **23**(3), hal. 219–232.
- Ousaka, A., Deendarlianto, Kariyasaki, A., dan Fukano, T., 2006, Prediction of flooding gas velocity in gas-liquid counter-current two-phase flow in inclined pipes, *Nuclear Engineering and Design*, **236**(12), hal. 1282–1292.
- Pantzali, M. N., Mouza, A. A. dan Paras, S. V., 2007, Study of hydrodynamic characteristics of the liquid layer during counter-current flow in inclined small diameter tubes : the effect of liquid properties, *6th International Conference on Multiphase Flow*, Leipzig, Germany.
- Patankar, S. V., 1980, *Numerical heat transfer and fluid flow*. 1st ed., CRC Press, Boca Raton.
- Prayitno, S., Santoso, R. A., Deendarlianto, Höhne, T., dan Lucas, D., 2012, Counter current flow limitation of gas-liquid two-phase flow in nearly horizontal pipe, *Science and Technology of Nuclear Installations*, 2012.
- Putra, S. S., Badarudin, A., Deendarlianto, Indarto, Tirtha, S., Yoanita, V., dan Sindhu, M., 2016, Visualisasi Mekanisme Flooding Aliran Counter - Current Air- Udara pada Simulator Hotleg Dengan  $L / D = 50$ , *Prosiding Seminar Nasional XI Rekayasa Teknologi Industri dan Informasi 2016*, Yogyakarta.
- Seidel, T., Vallée, C., Lucas, D., Beyer, M., dan Deendarlianto, 2011, *Two-phase flow experiments in a model of the hot leg of a pressurised water reactor*, Dresden.
- Suzuki, S. dan Ueda, T., 1977, Behaviour of liquid films and flooding in counter-current two-phase flow-Part 1. Flow in circular tubes, *International Journal of Multiphase Flow*, **3**(6), hal. 517–532.
- Tryggvason, G., Fernández, A., Esmaeeli, A., dan Bunner, B., 2004, *Direct numerical simulations of multiphase flows*, *Fluid Mechanics and its Applications*, Cambridge University Press, Cambridge.
- United States Nuclear Regulatory Commission, 2014, *Reactor Concepts Manual: Pressurized Water Reactor (PWR)*.
- Wallis, G. B., 1969, *One-dimensional Two-phase Flow*, McGraw-Hill, New York.
- Zapke, A. dan Kröger, D. G., 1996, The influence of fluid properties and inlet geometry on flooding in vertical and inclined tubes, *International Journal of Multiphase Flow*, **22**(3), hal. 461–472.