DAFTAR PUSTAKA

Andrianto, M, 2012, A CFD Modelling on the Slug Flow Mechanism of Air-Water Two Phase Flow in A Horizontal Pipe By Using A VOF Method, Tesis, Jurusan Teknik Mesin dan Industri, Universitas Gadjah Mada, Yogyakarta, Indonesia

Anonym, 2012, *Image Processing ToolboxTM User's Guide R2012a*, The Mathworks, Inc., Natick MA, Amerika Serikat.

Aundressi, P, Bendiksen, K, H. An Investigation of Void Fraction in Liquid Slugs for Horizontal and Inclined gas-liquid pipe flow, *Int. J. Multiphase Flow*, Vol. 15 (1989), No.6, pp. 937- 946.

Baker, O., 1954, Design of Pipelines for Simultaneous Flow of Oil and Gas, *Oil and Gas J*., pp.26.

Bendiksen, K. H., 1984, An Experiment Investigation of The Motion of Long Bubbles in Inclined Tubes, *Int. J. Multiphase Flow*, Vol. 10, No.4, pp. 467-483.

Dinaryanto, O., 2012, Sifat-Sifat Aliran Slug Ditinjau dari Karakteristik Lokal (Visualisasi, Liquid Hold-Up, dan Signal Processing) pada Pipa Horizontal, Tesis, Jurusan Teknik Mesin dan Industri, Universitas Gadjah Mada, Yogyakarta, Indonesia.

Do Amaral, C.E.F., Alves, R.F., da Silva M.J., Arruda, L.V.R., Dorini, L., Morales, R.E.M., Pipa, D.R., 2013, Image processing techniques for high-speed videometry in horizontal two-phase slug flows. *Flow Measurement and Instrumentation*, Vol. 33, pp. 257-264.

Dukler, E. dan Hubbard, M.G., 1975, A model for gas-liquid slug flow in horizontal and near horizontal tubes. *Ind. Eng. Chem. Fundam.*, Vol 14, n.4, pp.377-347

Fagundes Netto, J.R., Fabre, J., Peresson, L., 1999, Shape of long bubbles in horizontal slug flow, *International Journal of Multiphase Flow*, No. 25, pp 1129-1160.

Fukano, T., 1998, Measurement of Time Varying Thickness of Liquid Film Flowing with High Speed Gas Flow by a Constant Electric Current Method (CECM), *Nuclear Engineering and Design*, Vol. 184, pp 363-377.

Franca, F. and Lahey Jr., R.T., 1992. The Use of Drift-Flux Techniques for The Analysis of Horizontal Two-Phase Flows. *Int. J. Multiphase Flow,* Vol 18, No.6, pp. 787-801.

Gregory, G.A., Nicholson, M.K. dan Aziz, K., 1978. Correlation of Liquid Volume Fraction in Slug for Horizontal Gas Liquid Slug Flow. *International Journal of Multiphase Flow*, Vol. 4, pp. 33-39.

Gregory, G., Scott, D., 1969. Correlation of liquid slug velocity and frequency in horizontal co-current gas–liquid slug flow. *AIChE J. 15* (6), 933–935

Gonzalez, R.C. dan Woods, R.E., 2002, *Digital Image Processing*, Edisi 2, Prentice Hall, Inc., New Jersey, Amerika Serikat

Gopal, M. Dan Jepson, W.P., 1997, Development of Digital Image Analysis Techniques for the Study of Velocity and Void Profile in Slug Flow, *Int. J. of Multiphase Flow,* Vol. 23, No. 5, pp. 945-965.

Greskovich, E.J, Shrier, A.L, 1972, Slug Frequency in Horizontal Gas-Liquid Flow. *Ind. Eng. Chem. Process Des. Develop. 11 No 2, pp. 317-318*

Hetsroni, G., 1982. *Handbook of Multiphase Systems*. New York : McGraw-Hill Book Company

Heywood, N.I, Richardson, J,F, 1979, Slug Flow of Air—Water Mixtures in A Horizontal Pipe: Determination of Liquid Holdup by Y-ray Absorption, *Chemical Engineering Science,* pp 17-30

Kuntoro, H.Y., 2014, *The Implementation of Image Processing Technique to Determine The Interfacial Behavior of Gas-Liquid Wavy Two-Phase Flow in A Horizontal Pipe*, Skipsi, Jurusan Teknik Mesin dan Industri, Universitas Gadjah Mada, Yogyakarta, Indonesia.

Lin, P.Y. and Hanratty, T.J., 1987, Effect of Pipe Diameter on Flow Patterns for Air-Water Flow in Horizontal Pipes, *Int. J. Multiphase Flow*, Vol. 13, No. 4, pp. 549-563.

Majid, A.I., 2013, *The Study of Plug Flow Characteristics of Gas-Liquid Two Phase Flow in A Horizontal Pipe by Using An Image Processing Technique*, Proceeding Seminar Nasional Tahunan Teknik Mesin XII (SNTTM XII).

Majid, A.I., 2014, *The Interfacial Characteristics of Gas Liquid Plug Two-Phase Flow In A Horizontal Pipe By Using An Image Processing Technique*, Skipsi, Jurusan Teknik Mesin dan Industri, Universitas Gadjah Mada, Yogyakarta, Indonesia.

Mandhane, J.M., Gregory, G.A., Aziz, K., 1974, A Flow Pattern Map For Gas Liquid Flow In Horizontal And Inclined Pipes. *Int. J. of Multiphase Flow*, Vol. 1, pp. 537-553

Mayor, T.S. 2007. *Hydrodynamics of gas-liquid flows in Slug Flow Regime*, Disertasi, Faculdade de Engenharia Universidade do Porto, Porto,Portugal.

Mayor, T.S., Pinto, A.M.F.R., Campos, J.B.L.M., 2007, An image analysis technique for the study of gas-liquid slug flow along vertical pipes – associated uncertainty, *Flow Measurement and Instrumentation*, Vol 18, pp. 139-147.

McAndrew, A., 2004, An Introduction of Image Processing by MATLAB, Notes for SCM2511 Image Processing 1, School of Computer Science and Mathematics Victoria University of Technology, Melbourne, Australia.

Montoya, G.A., Deendarlianto, Lucas, D., Hohne, T., Vallee, C., 2012. Image Processing Based Study of Interfacial Behavior of the Countercurrent GasLiquid Two-Phase Flow in Hot Leg of a PWR. *Science and Technology of Nuclear Installation*, Vol. 2012, pp. 1-10.

Morales, R.E.M. ; M. J. da Silva; E. N. Santos; L. Dorini; C. E. F. do Amaral; R. F. Alves. 2011. Image Analysis of Horizontal Two Phase Slug Flows. *ASME*. 54921*; Volume 6: Fluids and Thermal Systems*; Advances for Process Industries, pp 671-677

Nicklin, D.J., Wilkes, J. and Davidson, J.F., 1962. Two-phase Flow in Vertical Tubs. *Trans. Inst. Chem. Engng*, Vol.40, pp61-68.

Polonsky, S., Shemer, L., Barnea, D., 1999, The Relation Between Taylor Bubble Motion and Velocity Field Ahead of It. *International Journal of Multiphase Flow*, Vol. 25, pp. 957-975.

Prawisnugraha, D, 2012, Karakteristik Aliran Slug Air-Udara Searah Pada Pipa Horizontal dengan Metode Visualisasi, Skipsi, Jurusan Teknik Mesin dan Industri, Universitas Gadjah Mada, Yogyakarta, Indonesia.

Pujara, M.P, Kumar, L., Mogra, A., 2013, Two Phase Flow Void Fraction Measurement Using Image Processing Technique, *International Journal of Mechanical Engineering and Technology*, Vol.4, Issue 3, pp. 130-135.

Rosa, E.S., 2004. Flow Structure in the Horizontal Slug Flow. *Engenharia Termica (Thermal Engineering)*, Vol. 3, No. 2, pp. 151-160

Santoso, B, 2013, Pendeteksian Pola Aliran Dan Kebocoran Pipa Pada Aliran Dua Fase Air-udara Menggunakan Jaringan Syaraf Tiruan (Artificial Neural Network). Disertasi, Jurusan Teknik Mesin dan Industri, Universitas Gadjah Mada, Yogyakarta, Indonesia.

Taitel, Y. and Dukler, A. E., 1976. A Model for Predicting Flow Regime Transitions in Horizontal and Near Horizontal Gas-Liquid Flow. *AIChE Journal*, Vol. 22, No. 1, pp. 47-55.

Van Hout, R.., Barnea, D., Shemer, L., 2002, Translational velocities of elongated bubbles in continuous slug flow, *International Journal of Multiphase Flow*, Vol. 28, pp. 1333-1350.

Wallis, G.B., 1969, *One-dimensional Two-Phase Flow*, Mcgraw-Hill, United Stated of America.