BIBLIOGRAPHY

Al-Safran, Eissa, 2009, Investigation and prediction of slug frequency in gas/liquid horizontal pipe flow, *Journal of Petroleum Science and Engineering,* 69, pp. 143–155.

Andritsos, N., Hanratty, T.J., 1987a, Influence of interfacial waves in stratified gas-liquid flows, *AIChE Journal*, Vol. 33, No. 3, pp. 444-454.

Andritsos, N., Hanratty, T.J., 1987b, Interfacial instabilities for horizontal gas-liquid flows in pipelines, *Int. J. Multiphase Flow*, Vol. 13, No. 5, pp. 583-603.

Andritsos, N., Williams, L., Hanratty, T.J., 1989, Effect of liquid viscosity on the stratified-slug transition in horizontal pipe flow, *Int. J. Multiphase Flow*, 15, 877–892.

Andreussi, P and Bendiksen, K., 1989, An investigation of void fraction in liquid slug for horizontal and inclined gas-liquid pipe flow, *Int. J. Multiphase Flow,* Vol. 15, pp. 937-946.

Andreussi, P., Minervini, A., and Paglianti, A., 1993, Mechanistic model of slug flow in near-horizontal pipes, *AIChE* ,Vol. 39, No. 8, 1281-1291

Andreussi, P., Pintus, S., Nydal, O.J., 1993, Slug detection system for two-phase flowlines, ISBN 1-880653-05-2 (set); 1-880653-07-9 (Vol III).

Barnea, D., Shoham, O., Taitel, Y., Dukler, A.E., 1979, Flow pattern transition for gas-liquid flow in horizontal and inclined pipes, *Int. J. Multiphase Flow*, Vol. 6, pp. 217-225.

Baker, O., 1954, Simultaneous flow of oil and gas, *Oil and Gas Journal*, 53, 185-195.

Bendiksen, K. H., 1984, An experiment investigation of the motion of long bubbles in inclined tubes, *Int. J. Multiphase Flow,* Vol. 10, pp. 467-483.

Benjamin, T.B., 1968, Gravity currents and related phenomena, *J. Fluid Mech*, 31, 209–248.

Brauner, N., Rovinsky, J., and Moalem Maron, D., 1996. Determination of the interface curvature in stratified two-phase systems by energy considerations. *Int. J. Multiphase Flow*, Vol. 22, No. 6, pp. 1167-1185.

Deendarlianto, Ousaka, A., Kariyasaki, A., Fukano, T., 2005, Investigation of liquid film behavior at the onset of flooding during adiabatic counter-current air–water two-phase flow in an inclined pipe, *Nuclear Engineering and Design,* Vol. 235, pp. 2281–2294.

Dinaryanto, O., 2014, Sifat-sifat aliran slug ditinjau dari karakteristik lokal (visualisasi, liquid hold-up dan signal processing) pada pipa horizontal, M.Eng. thesis, Universitas Gadjah Mada, Yogyakarta, Indonesia.

Dinaryanto, O., Widarmiko, N., Indarto, Deendarlianto, 2012, Visualisasi dan Signal Processing Data Liquid Hold-up Aliran Plug Air-Udara Pada Pipa Horizontal, Proceeding Seminar Nasional Tahunan Teknik Mesin XI (SNTTM XI) & Thermofluid IV, Universitas Gadjah Mada (UGM), Yogyakarta.

Dinaryanto, O., Purwanto, Y., Indarto, Deendarlianto, 2014, Pengaruh Diameter Pipa Terhadap Sifat-Sifat Aliran Slug Air-Udara Pada Pipa Horizontal, Proceeding Seminar Nasional Tahunan Teknik Mesin XIII (SNTTM XIII), UI, Jakarta.

Dukler, E. and Hubbard, M.G., 1975, A model for gas-liquid slug flow in horizontal and near horizontal tubes, *Ind. Eng. Chem. Fundam.*, Vol 14, no.4, pp. 377-347.

Fan, Z., Lusseyran, F., Hanratty, T.J., 1993, Initiation of slugs in horizontal gas–liquid flows, *AIChE J,* 39, 1741–1753.

Franca, F., Acikgoz M., Lahey Jr. R.T., Clausse, A., 1991. The use of fractal techniques for flow regime identification. *Int. J. Multiphase Flow,* Vol. 17, No. 4, pp. 545-552.

Franca, F. and Lahey, R.T., Jr, 1992. The use of Drift-flux Techniques for the Analysis of Horizontal Two Phase Flow. *Int. J. Multiphase Flow,* Vol 6., pp. 787-801.

Furukawa, T., Fukano, T., 1996, Effect of liquid viscosity on flow patterns in vertical upward gas–liquid two-phase flow, *Trans. JSME* 62-601, pp. 3257–3264.

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*, pp 363-377.

Gregory, G.A., Nicholson, M.K., and Aziz, K., 1978, Correlation of liquid volume fraction in slug for horizontal gas liquid slug flow, *Int. J. Multiphase Flow*, Vol. 4, pp. 33-39.

Hanratty, T.J., Hershman., A., 1961, Initiation of roll waves, *AIChE Journal*, Vol. 7, Issue 3, pp. 488-497.

Hervieu, E., and Seleghim Jr., P., 1998, An objective indicator for two-phase flow pattern transition, *Nuclear Engineering and Design Journal,* Vol. 184, pp. 421-435.

Hoogendoorn, C.J.., 1959, Gas-liquid flow in horizontal pipes. *Chem, Engng, Sci.*, Vol 9, pp.205-217.

Hudaya, A.Z., 2014, Sifat-sifat aliran stratified ditinjau dari karakteristik lokal (visualisasi, liquid hold-up, dan signal processing) pada pipa horisontal, M.Eng. thesis, Universitas Gadjah Mada, Yogyakarta, Indonesia.

Hurlburt, E.T., Hanratty, T.J., 2002, Prediction of the transition from stratified to slug and plug flow for long pipes. *Int. J. Multiphase Flow,* 28, 707–729.

Kadri, U., 2009, Long liquid slugs in stratified gas/liquid flow in horizontal and slightly inclined pipes, 1st ed, PrintPartners Ipskamp, Netherland.

Kadri, U., Zoeteweij, M.L., Mudde, R.F., Oliemans, R.V.A., 2009. A growth model for dynamic slugs in gas-liquid horizontal pipes. *International J. Multiphase Flow,* 35 (439-449).

Kang, H.C., and Kim, M.H., 1992. Measurement of three-dimensional wave form and interfacial area in an air-water stratified flow. *Nuclear Engineering Design*, 136 (347-360).

Kordyban, E.S., Ranov, T., 1970. Mechanism of slug formation in horizontal two phase flow. *AICHE J*. Vol. 31., pp. 802-806.

Lin, P.Y., 1985, Flow regime transitions in horizontal gas-liquid flow, Ph.D. thesis, University of Illinois, Urbana.

Lin, P.Y., Hanratty, T.J., 1986. Prediction of the initiation of slugs with linear stability theory. *Int. J. Multiphase Flow,* Vol. 12, pp. 79–98.

Lin, P.Y. and Hanratty, T.J., 1987. Effect of Pipe Diameter on flow patterns for air-water flow in horizontal. *Int. J. Multiphase Flow,* Vol. 13, No. 4 , pp. 549-563.

Lockhart, R.W. and Martinelli, R.C., 1949. Proposed correlation of data for isothermal two phase, two component flow in pipes. *Chem. Eng. Prog.*, Vol.45, pp. 39-48.

Mandhane, J.M., Gregory, G.A., and Aziz, K., 1974. A flow pattern map for gas-liquid flow in horizontalpipes. *Int. J. Multiphase Flow,* Vol. 1, pp. 537-553.

Mishima, K., and Ishii, M., 1980, Theoretical prediction of onset of slug flow, *ASME J. Fluid Eng*., 102(4), pp. 441–445.

Nydal, O.J., Andreussi, P., 1993. Gas entrainment in liquid slugs. ISBN 1-880653-05-2 (Set); 1-880653-07-9 (Vol II).

Ousaka, A., Deendarlianto, Kariyasaki,A., Fukano, T., 2006. Prediction of flooding gas velocity in gas–liquid counter-current two-phase flow in inclined pipes. *Nuclear Engineering and Design* 236, pp. 1282–1292.

Rosa, E.S., 2004, Flow structure in the horizontal slug flow, *EngenhariaTermica (Thermal Engineering)*, Vol.3 No.2, pp.151-160

Ruder, Z., Hanratty, P.J., Hanratty, T.J., 1989. Necessary conditions for the existence of stable slugs. *Int. J. Multiphase Flow*, Vol 15, No. 2, pp 209-226.

Santoso B., Fitroh, D. R., Indarto, Deendarlianto, Thomas, S.W., 2010. Kaji eksperimen kecepatan pola aliran slug air-udara pada aliran dua fase searah pipa horisontal menggunakan *high speed video camera*. *Mekanika*, Volume 10.

Soleimani, A., Hanratty, T.J., 2003. Critical liquid flows for the transition from the pseudo-slug and stratified patterns to slug flow. *Int. J. Multiphase Flow*, 29, 51–67

Spedding, P.L. and Nguyen, V.T., 1979. Regime maps for air water two phase flow. *Chemical Engineering Science*, Vol 35 pp 779-793.

Speeding, P.L. and Spence, D.R.., 1993. Flow regimes in two-phase gas-liquid flow. *Int. J. Multiphase Flow,* Vol. 19, pp. 245-280.

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.

Taitel, Y. and Dukler, A. E., 1977. A model for slug frequency during gas-liquid flow in horizontal and near horizontal pipes. . *Int. J. Multiphase Flow*, Vol. 3, pp. 585-596.

Ujang, P.M., Lawrance, C. J., Hale, C.P., Hewitt, G.F., 2006. Slug initiation and evolution in two-phase horizontal flow. *Int. J. Multiphase Flow,* Vol. 32, pp. 527-552.

Villarreal, J., Laverde, D., Fuentes, C., 2006. Carbon-steel corrosion in multiphase slug flow and CO2. *Corrosion Science,* Vol. 48, pp. 2363–2379.

Wallis, G.B., & Dodson, J.E., 1973, The onset of slugging in horizontal annular two phase flow, Ph.D. thesis, University of Illinois, Urbana.

Woods, B.D., Hanratty, T.J., 1996. Relation of slug stability to shedding rate. *Int. J. Multiphase Flow,* 22, 809–828.

Woods, B.D. , Fan, Z. ,and Hanratty, T.J., 2006. Frequency and development of slug in horizontal pipe at large liquid. *Int. J. Multiphase Flow,* Vol. 32, pp. 903-952.

Wu., H.L., Pots., B.F.M., Hollenburg, J.F, and Merhoff, R., 1987, Flow patterns transitions in two-phase gas/condesate flow at high pressure in an 8-inch horizontal pipe. *In Porc*. BHRA Conf., The Hague, The Netherlands, 13-21.