

## DAFTAR PUSTAKA

- Afisna, L. P., Juwana, W. E., Indarto., Deendarlianto., Nugroho, F. M., 2017, *Performance of Porous-Ventury Microbubble Generator for Aeration Process*, Journal of Energy, Mechanical, and Manufacturing Engineering (JEMME), Vol. 2, No. 2, pp. 73-80
- Ahmed, W. H., Aman, A. M., Badr, H. M., Al-Qutub, A. M., 2016, *Air Injection Methods: The Key to a Better Performance of Airlift pumps*, Experimental Thermal and Fluid Science, Vol. 70, pp.354-365
- Baylar, A., dan Ozkan F., 2005. *Influence of venturi cone angles on jet aeration systems*. Proceedings of the Institution of Civil Engineers Water Management Issue WM1
- Brennen, Christopher E. 1995. *Cavitation and Bubble Dynamics* ,Oxford University Press
- Cho, N. C., Hwang, I. J., Lee, C. M., Park, J. W., 2009, *An Experimental Study on The Airlift pump with Air Jet Nozzle and Booster Pump*, Journal of Environmental Sciences Supplement, pp. 519-823
- Changjun, L., Bin, L., Shengwei, T., Haiguang, Z., 2010. *A Theoretical Model for The Size Prediction of Single Bubble Formed Under Liquid Cross Flow*, Chinese Journal of Chemical Engineering, 18(5), 770-776
- C. Alberto S. Felipe; Rocha, S. C. S., 2004, *Time series analysis of pressure fluctuation in gas-solid fluidized beds*, Brazilian Journal of Chemical Engineering, Vol. 21, no 3
- Deendarlianto, Intan Supraba, Akmal I.M., Indarto, Muhammad R.P., Adhika, W., 2019, *Experimental Investigation on the flow Behavior During the Solid Particles Lifting in a Micro-Bubble Generator type Airlift Pump System*. Case Studies in Thermal Engineering, Vol. 13, 100386
- Doughlas, JF.John A, 2005. *Swaffield Fluid Mechanic 5<sup>th</sup> edition*.
- Fujimoto, H., Nagatani, T., Takuda, H., 2005, *Performance Characteristics of a Gas-Liquid-Solid Airlift pump*, International Journal of Multiphase Flow, Vol. 31, pp. 1116-1133
- Gowing, S., Mori, T., Neely, S., 2010, *Research on Two Phase Waterjet Nozzles*, Journal of Fluids Engineering, Ed. December, Vol. 132, pp. 121302-1-121302-9
- Hu, D., Tang, C. L., Cai, S. P., Zhang, F. H., 2012, *The Effect of Air Injection Method on The Airlift pump Performance*, Journal of Fluids Engineering, Ed. November, Vol. 134, pp. 111302-1 - 111302-7
- Jaiboon, O., Chalermssinsuwan, B., Mekasut, L., Piumsomboon, P., 2013, *Effect of flow pattern on power spectral density of pressure fluctuation in various fluidization regimes*, powder technology, pp. 215-226
- Juwana, W. E., Widyatama, A., Dinaryanto O., Budhijanto W., Indarto, Deendarlianto, 2019, *Hydrodynamic Characteristics of The Microbubble*

- Dissolution in Liquid Using Orifice Type Microbubble Generator*, Chemical Engineering Research and Design, Vol. 141, pp. 436–448
- Kassab, S. Z., Hamdy, A. K., Hasan, A. W., Wael, H. A., 2007, *Experimental and analytical investigations of airlift pumps operating in three-phase flow*, Chemical Engineering Journal, Vol. 131, pp. 273–281
- Kassab, S. Z., Hamdy, A. K., Hasan, A. W., Wael, H. A., 2009, *Airlift Pump Characteristics Under Two-Phase Flow Conditions*, International Journal of Heat and Fluid Flow, Vol. 30, pp. 88-98
- Kato, H., Tamiya, S., Miyazawa, T., 1975, *A study of an air-lift pump for solid particles and its application to marine engineering*, JSME 18 (117), pp. 286–294
- Khalil, M. F., Elshorbagy, K. A., Kassab, S. Z., Fahmy, R. I., 1999, International Journal of Heat and Fluid Flow, Vol. 20, pp. 598-604
- Onhari, H., *Swirling Type Micro-bubble Generating System*, US Patent 7472893 B2.
- Parmar, R., Majumder, S.K., 2013. *Microbubble Generations and Aided Transport Process Intensification- A State –of – The Report*, Chemical Engineering and Processing, 64, 79-97.
- Pedram, H., Soheil, G., Saidi, M. H., 2011, *Visual Technique for Detection of GasLiquid Two-Phase Flow Regime in The Airlift pump*, Journal of Petroleum Science and Engineering, Vol. 75, pp. 327-335
- Pougatch, K., Salcudean, M., 2008, *Numerical Modelling of Deep Sea Airlift*, Ocean Engineering, Vol. 35, pp. 1173-1182
- Sadatomi, M., Kawahara, A., Nishiyama, T., 2012, *Experiment and Performance Prediction of Bubble-Jet Type Airlift Pump for Dredging Sediments on Sea and Lake Beds*, Advances in Fluid Mechanics and Heat & Mass Transfer, pp. 311-316
- Sadatomi, M., Kawahara, A., Goto, T., 2010, *Dredging of Sediments by Bubble-Jet Type Airlift-Pump (Experiment and Performance in Its Revised System)*, Japanese J. Multiphase Flow, Vol. 23, No. 5, pp. 627-634
- Sadatomi, M., Kawahara, A., Kimura, T., Nakao, J., 2008, *Development of a Bubble-Jet-Type-Airlift-Pump (Feasibility Test and Performance Prediction)*, The Japan Society of Mechanical Engineers, No. 07-0802, pp. 49-55
- Seung, H. K., Chae, H. S., Jun, Y. H., 2014, *Effect of Tube Diameter and Submergence Ratio on Bubble Pattern and Performance of Airlift Pump*, International Journal of Multiphase Flow, Vol. 58, pp. 195-204
- Shabah, H., Tavoularis, S., 2014, *Identification of flow regime in vertical upward air–water pipe flow using differential pressure signals and elastic maps*, Int. J. Multiphase Flow, Vol, 61, pp. 62-72
- Tighzert H., Malek, B., Nassima, K., Farida, B., 2013, *Effect of Submergence Ratio on the Liquid Phase Velocity, Efficiency and Void Fraction in an Air-Lift Pump*, Journal of Petroleum Science and Engineering, Vol. 110, pp. 155-161
- Yoshinaga, T., Sato, Y., 1996, *Performance of an Airlift Pump for Conveying Coarse Particles*, Int. J. Multiphase Flow, Vol. 22, No. 2, pp. 22-38