

DAFTAR PUSTAKA

- Alam, H. S., Redhyka, G. G., Bahrudin, Sugiarto, A. T., Salim, T. I., Mardhiya, I. R., 2018, Design and Performance of *Swirl Flow Microbubble* Generator, *International Journal of Engineering & Technology*, vol. 7, pp. 66.
- ANSYS, Inc., 2013, *Ansyes Fluent Tutorial Guide*, Canonsburg, PA.
- Hudaya, A.Z., Widyatama, A., Dinaryanto, O. and Juwana, W.E., 2019. The liquid wave characteristics during the transportation of air-water stratified co-current two-phase flow in a horizontal pipe. *Experimental Thermal and Fluid Science*, 103, pp.304-317.
- Juwana, W.E., Widyatama, A., Dinaryanto, O. and Budhijanto, W., 2019. Hydrodynamic characteristics of the microbubble dissolution in liquid using orifice type microbubble generator. *Chemical Engineering Research and Design*, 141, pp.436-448.
- Kawahara, A., Sadatomi, M., Matsuyama, F., Matsuura, H., Tominaga, M. and Noguchi, M., 2009. Prediction of micro-bubble dissolution characteristics in water and seawater. *Experimental Thermal and Fluid Science*, 33(5), pp.883-894.
- Kurup, N. and Naik, P., 2010. Microbubbles: a novel delivery system. *Asian Journal of Pharmaceutical Research and Health Care*, 2(3).
- Majid, A. I., Nugroho, F. M., Juwana, W.E., Budhijanto, W., Deendarlianto., Indarto., 2018, On The Performance of Venturi-Porous Pipe *Microbubble* Generator with Inlet Angle of 20° and Outlet Angle of 12°, *AIP Conference Proceedings*. <https://doi.org/10.1063/1.5050000>.
- Mawarni, D.I., Juwana, W.E., Yuana, K.A. and Budhijanto, W., 2022. Hydrodynamic characteristics of the microbubble dissolution in liquid using the swirl flow type of microbubble generator. *Journal of Water Process Engineering*, 48, p.102846.

- Ohnari, H., 2002. *Swirling fine-bubble generator*. U.S. Patent 6,382,601.
- Parmar, R. and Majumder, S.K., 2013. Microbubble generation and microbubble-aided transport process intensification—A state-of-the-art report. *Chemical Engineering and Processing: Process Intensification*, 64, pp.79-97.
- Parmar, R., & Majumder, S. K., 2013, *Microbubble generation and microbubble-aided transport process intensification a State of the Art Report*, *Chemical Engineering and Processing: Process Intensification*, 64, 79–97.
- Sadatomi, M., Kawahara, A., Kano, K. and Ohtomo, A., 2005. Performance of a new micro-bubble generator with a spherical body in a flowing water tube. *Experimental Thermal and Fluid Science*, 29(5), pp.615-623.
- Serizawa, S., T. Inui, and T. Eugchi. "Microbubble-containing milky air that rises in a vertical cylinder-flow characteristics and the phenomenon of pseudo-laminar flow of bubbles in an aqueous system." *Konsoryu* 19 (2005): 335-343.
- Tabei, K., 2005. Study of Micro Bubble Generation by a Swirl Jet. *Transactions of the Japan Society of Mechanical Engineers, Series B*, 71(703), pp.104-109.
- Temesgen, T., Bui, T.T., Han, M., Kim, T.I. and Park, H., 2017. Micro and nanobubble technologies as a new horizon for water-treatment techniques: A review. *Advances in colloid and interface science*, 246, pp.40-51.
- Terasaka, K., Hirabayashi, A., Nishino, T., Fujioka, S. and Kobayashi, D., 2011. Development of microbubble aerator for waste water treatment using aerobic activated sludge. *Chemical engineering science*, 66(14), pp.3172-3179.