

DAFTAR PUSTAKA

- Baylar, A., Aydin, M., Unsal, M., & Ozkan, F. (2009). Numerical Modeling of Venturi Flows for Determining Air Injection Rates Using Fluent V6.2. *Mathematical and Computational Applications*, 14(2), 97–108. <https://doi.org/10.3390/mca14020097>
- Budhijanto, W., Deendarlianto, D., Kristiyani, H., & Satriawan, D. (2015). Enhancement of Aerobic Wastewater Treatment by the Application of Attached Growth Microorganisms and Microbubble Generator. *International Journal of Technology*, 6(7), 1101. <https://doi.org/10.14716/ijtech.v6i7.1240>
- Ishikawa, M., Irabu, K., Teruya, I., & Nitta, M. (2009). PIV measurement of a contraction flow using micro-bubble tracer. *Journal of Physics: Conference Series*, 147, 012010. <https://doi.org/10.1088/1742-6596/147/1/012010>
- 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*, 141, 436–448. <https://doi.org/10.1016/j.cherd.2018.11.017>
- Lee, C. H., Choi, H., Jerng, D.-W., Kim, D. E., Wongwises, S., & Ahn, H. S. (2019). Experimental investigation of microbubble generation in the venturi nozzle.

International Journal of Heat and Mass Transfer, 136, 1127–1138.

<https://doi.org/10.1016/j.ijheatmasstransfer.2019.03.040>

Liu, C., Tanaka, H., Zhang, J., Zhang, L., Yang, J., Huang, X., & Kubota, N. (2013).

Successful application of Shirasu porous glass (SPG) membrane system for microbubble aeration in a biofilm reactor treating synthetic wastewater.

Separation and Purification Technology, 103, 53–59.

<https://doi.org/10.1016/j.seppur.2012.10.023>

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°*. 050009.

<https://doi.org/10.1063/1.5050000>

Mawarni, D. I., Juwana, W. E., Yuana, K. A., Budhijanto, W., Deendarlianto, &

Indarto. (2022). Hydrodynamic characteristics of the microbubble dissolution in liquid using the swirl flow type of microbubble generator.

Journal of Water Process Engineering, 48, 102846.

<https://doi.org/10.1016/j.jwpe.2022.102846>

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.

<https://doi.org/10.1016/j.cep.2012.12.002>

Sadatom, M., Kawahara, A., Kano, K., & 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), 615–623.

<https://doi.org/10.1016/j.expthermflusci.2004.08.006>

Sadatomi, M., Kawahara, A., Matsuura, H., & Shikatani, S. (2012). Micro-bubble generation rate and bubble dissolution rate into water by a simple multi-fluid mixer with orifice and porous tube. *Experimental Thermal and Fluid Science*, 41, 23–30. <https://doi.org/10.1016/j.expthermflusci.2012.03.002>

Sau, A., Hwang, R. R., Sheu, T. W. H., & Yang, W. C. (2003). Interaction of trailing vortices in the wake of a wall-mounted rectangular cylinder. *Physical Review E*, 68(5), 056303. <https://doi.org/10.1103/PhysRevE.68.056303>

Serizawa, P. A., Inui, T., Yahiro, T., & Kawara, Z. (2005). PSEUDO-LAMINARIZATION OF MICRO-BUBBLE CONTAINING MILKY BUBBLY FLOW IN A PIPE. *Multiphase Science and Technology*, 17(1–2), 79–101. <https://doi.org/10.1615/MultScienTechn.v17.i1-2.50>

Tabei, K., Haruyama, S., Yamaguchi, S., Shirai, H., & Takakusagi, F. (2007). Study of Micro Bubble Generation by a Swirl Jet (Measurement of Bubble Distribution by Light Transmission and Characteristics of Generation Bubbles): (Measurement of Bubble Distribution by Light Transmission and Characteristics of Generation Bubbles). *Journal of Environment and Engineering*, 2(1), 172–182. <https://doi.org/10.1299/jee.2.172>

Temesgen, T., Bui, T. T., Han, M., Kim, T., & Park, H. (2017). Micro and nanobubble technologies as a new horizon for water-treatment techniques: A review. *Advances in Colloid and Interface Science*, 246, 40–51. <https://doi.org/10.1016/j.cis.2017.06.011>