DAFTAR PUSTAKA

Anderson, J. D. (1995). *Computational Fluid Dynamics: The Basics with Applications.* New York: McGraw-Hill.

Budiman, I., Pratama, R., & Hidayat, A. (2023). Analisis CFD temperatur pembakaran boiler: Perbandingan udara konvensional dan oxy-fuel. *Infomatek*, 23(1), 1–10.

Budiman, I., Prasetyo, E., & Ramadhan, F. (2023). Numerical investigation of combustion temperature distribution in industrial boilers using CFD. Journal of Thermal Engineering, 9(4), 987–999.

Chen, Y., Li, X., & Zhang, H. (2019). CFD analysis of gas flow and heat transfer in an industrial furnace. Applied Thermal Engineering, 148, 1203–1214.

Dassault Systèmes. (2023). *SolidWorks Flow Simulation Technical Reference.* Dassault Systèmes SolidWorks Corporation.

Dutta, S., & Mukherjee, S. (2018). Numerical study of turbulent flow and heat transfer in gas-fired furnaces. *International Journal of Heat and Mass Transfer, 127, 1015–1027.*

Ghaly, A., & El-Sayed, M. (2021). Optimization of burner orientation in industrial furnaces using CFD. Energy, 235, 121392.

Gupta, A. K., Lilley, D. G., & Syred, N. (2017). *Swirl flows. Abingdon: Taylor & Francis.*

He, Y., Wang, Q., & Zhao, L. (2020). Numerical simulation of heat transfer characteristics in aluminum melting furnaces. *Journal of Materials Processing Technology*, 282, 116675.

Incropera, F. P., DeWitt, D. P., Bergman, T. L., & Lavine, A. S. (2011). Fundamentals of Heat and Mass Transfer (7th ed.). *Hoboken: John Wiley & Sons.*

JTMI. (2024). Applications of CFD in industrial thermal systems. *Journal of Thermal and Mechanical Engineering*, 6(1), 1–15.

Khoirudin, M. (2019). Analisis insulasi termal pada tungku peleburan logam berbasis

simulasi numerik. *Jurnal Teknik Industri*, 20(1), 45–53.

Kurniawan, A., Putra, D. R., & Santoso, B. (2020). Analisis efisiensi termal tungku peleburan logam berbahan bakar gas. *Jurnal Teknik Mesin*, 9(2), 85–92.

Leman, A. M., Sulaiman, M., & Rahman, M. (2019). Performance evaluation of refractory and insulation materials for high-temperature furnace application. *Journal of Mechanical Engineering*, 16(3), 45–54.

Leman, A., Rahman, A., & Yusuf, M. (2019). Design considerations of refractory lining for high-temperature furnaces. *IOP Conference Series: Materials Science and Engineering*, 673, 012018.

Li, J., Zhou, Y., & Sun, B. (2018). Effect of burner angle on flow and temperature distribution in combustion chambers. *Applied Energy*, 227, 428–439.

Liu, H., Zhang, D., & Chen, S. (2022). CFD-based optimization of combustion chamber design for energy efficiency. *Energy Conversion and Management*, 253, 115147.

Lubi, A. (2021). Rancang bangun tungku peleburan aluminium berbahan bakar LPG. *Jurnal Teknik Mesin,* 10(1), 22–30.

Mahadi, R. (2022). Simulasi distribusi temperatur pada dapur lebur crucible non-ferrous berbahan bakar LPG menggunakan CFD. *Jurnal Teknik Mesin dan Material*, 6(2), 55–63.

Mujumdar, A. S., & Ranade, V. V. (2019). Industrial furnace efficiency improvement using CFD modeling. *Progress in Energy and Combustion Science*, 72, 1–24.

Nugroho, A. (2017). *Teknologi Pengecoran Logam*. Yogyakarta: Andi Offset

Park, J., Kim, H., & Lee, S. (2021). Numerical investigation of swirl flow effects in high-temperature furnaces. *Journal of Mechanical Science and Technology,* 35(9), 4147–4157.

Rinaldi, A. (2024). Thermal behavior of refractory materials in metal melting furnaces. Materials Today: *Proceedings*, 86, 122–129.

Rumanto, S., Wibowo, A., & Prasetyo, E. (2021). Analisis computational fluid dynamic (CFD) penyebaran panas pada dapur peleburan aluminium. *Device: Jurnal Teknik Mesin*, 11(1), 1–9.

Ryadin, M. (2022). Experimental and numerical study of small-scale aluminum

melting furnaces. *International Journal of Metalcasting,* 16(4), 1023–1034.

Sarkar, S., Kumar, P., & Ghosh, S. (2016). Energy efficiency analysis of industrial furnaces. *Energy Procedia,* 90, 445–452.

Shah, R. K., & Sekulic, D. P. (2017). Fundamentals of heat exchanger design. *Hoboken: Wiley*.

Sun, Y., Wang, J., & Li, C. (2023). Numerical study on flow recirculation and stagnant zones in gas-fired furnaces. *Thermal Science and Engineering Progress*, 36, 101485.

Vighnesh, R., & Ravi, K. R. (2020). Performance evaluation of refractory castables under high-temperature conditions. Ceramics International, 46(14), 22435–22443.

Widodo, T. (2022). Pengaruh penggunaan tutup furnace terhadap efisiensi termal tungku peleburan aluminium. *Jurnal Teknik Mesin,* 11(2), 65–72.

Widodo, S. (2022). Pengaruh distribusi panas terhadap umur pakai refractory pada tungku peleburan logam. *Jurnal Metalurgi dan Material Indonesia,* 45(2), 73–81.

Wu, Z., Chen, X., & Liu, Y. (2019). Numerical investigation of gas flow patterns in cylindrical furnaces. *Heat Transfer Engineering*, 40(15–16), 1325–1337.

Yang, L., Zhao, Y., & Wang, P. (2020). CFD simulation of turbulent combustion flow in industrial furnaces. *Fuel*, 279, 118462.

Zhang, J., Li, Q., & Huang, R. (2020). Analysis of hot spot formation in refractory-lined furnaces using CFD. *Applied Thermal Engineering*, 170, 115021.

Zhang, X., Liu, Z., & Chen, Y. (2018). Effect of furnace geometry on thermal performance of melting processes. *Journal of Materials Engineering and Performance,* 27(11), 5856–5865.

Zhou, H., Wang, K., & Sun, D. (2021). Numerical study of residence time and swirl intensity in gas combustion chambers. *Energy Reports*, 7, 3125–3136.