

DAFTAR PUSTAKA

- Alberto, M. B., Jesús Manuel, F. O., & Andrés, M. F. (2019). *Numerical methodology for the CFD simulation of diaphragm volumetric pumps. International Journal of Mechanical Sciences, 150*, 322–336. <https://doi.org/10.1016/j.ijmecsci.2018.10.039>
- API. (2015). *Positive Displacement Pumps-Controlled Volume for Petroleum, Chemical, and Gas Industry Services (Third)*. API.
- Ariyaratne, C. (2005). *Design And Optimisation Of Swirl Pipes And Transition Geometries For Slurry Transport*. University of Nottingham.
- Badarudeen, S. A. (2014). *Flow Characteristics Study of Fly Ash Slurry in Hydraulic Pipelines Using Computation Fluida Dynamics*. National Institute of Technology Rourkela.
- Bikmukhametov, T. (2016). *CFD Simulations of Multiphase Flows with Particles*. Norwegian University of Science and Technology.
- Boqvist, E. (n.d.). *Investigation Of A Swing Check valve Using CFD*.
- Brennen, C. E. (Christopher E. (2005). *Fundamentals of multiphase flow*. Cambridge University Press.
- Carraro, G., Pallis, P., Leontaritis, A. D., Karellas, S., Vourliotis, P., Rech, S., & Lazzaretto, A. (2017). *Eksperimental performance evaluation of a multi-diaphragm pump of a micro-ORC system. Energy Procedia, 129*, 1018–1025. <https://doi.org/10.1016/j.egypro.2017.09.232>
- Casoli, P., Vacca, A., & Berta, G. L. (2010). *A numerical procedure for predicting the performance of high pressure homogenizing valves. Simulation Modelling Practice and Theory, 18(2)*, 125–138. <https://doi.org/10.1016/j.simpat.2009.09.014>.
- Cengel & Boles, (2006). *Thermodynamics: An Engineering Approach*.
- Comas, M., J. Comas, C. Chetrit, and J. Casal. 1991. *Cyclone pressure drop and efficiency with and without an inlet vane. Powder Technol.*
- Cunliffe, C. J. (2022). *Flow Correlations and Transport Behaviour of Slurries in Partially Filled Pipes*.
- Ebenezer, P., Paul, S., Kumar, G. U., Durairaj, S., & Sundarrajan, D. (2015). *Design and Analysis of Industrial Ball Valve using Computational Fluid Dynamics Sakthivel Durairaj Radix Electrosystems Mumbai India Design and Analysis of Industrial Ball Valve using Computational Fluid Dynamics*. <https://www.researchgate.net/publication/282958183>

- Eesa, M. (2009). *CFD Studies Of Complex Fluid Flows In Pipes*. University of Birmingham.
- Elkarii, M. (2023). *Towards Modeling Phosphate Slurry Flow Using CFD technique* [Université Paris sciences]. <https://pastel.hal.science/tel-04234629>
- Friberg, W. (2021). *An Initial Analysis of Long-Distance Slurry Transport in Subarctic Environment*. Luleå University of Technology.
- GmbH, L. (2018). *Reciprocating positive displacement pumps Technical basics and applications* (TechniTeX, Ed.; 1st ed.).
- Janic, A. (2020). *CFD Simulation of Particles in Pipe Flow and Mixing Tank* [Linkoping University]. www.liu.se
- Karassik, I. J. (2001). *Pump handbook*. McGraw-Hill.
- Khairy, M., & Youssef, M. (2020). *Assessment Of Turbulence Models For Hydrofracturing Slurry Transport Simulation In Horizontal Perforated Pipe*. Qatar University.
- Lai, Z., Karney, B., Yang, S., Wu, D., & Zhang, F. (2017). Transient performance of a dual *disc check valve* during the opening period. *Annals of Nuclear Energy*, 101, 15–22. <https://doi.org/10.1016/j.anucene.2016.10.010>
- Lai, Z., Li, Q., Karney, B., Yang, S., Wu, D., & Zhang, F. (2018). *Numerical Simulation of a Check valve Closure Induced by Pump Shutdown*. *Journal of Hydraulic Engineering*, 144(12). [https://doi.org/10.1061/\(asce\)hy.1943-7900.0001543](https://doi.org/10.1061/(asce)hy.1943-7900.0001543)
- Mahmud. (2016). *Simulasi Numerik Aliran Melalui Pipa Sirkular Dengan Variasi Sudut Bukaannya Katup Pada Bilangan Reynolds 2×10^5 dan 8×10^5* . Institut Teknologi Sepuluh Nopember.
- Marinos, O. R. P. (2020). *Numerical Simulation Of Liquid-Solid Slurry Flow Using The Eulerian-Eulerian Two-Fluid Model*. University of Saskatchewan .
- Mcelhane, K. L. (2000). *An analysis of check valve performance characteristics based on valve design*. In *Nuclear Engineering and Design* (Vol. 197). www.elsevier.com/locate/nucengdes.

- Menéndez-Blanco, A., Fernández Oro, J. M., & Meana-Fernández, A. (2019). *Unsteady three-dimensional modeling of the Fluid–Structure Interaction in the check valves of diaphragm volumetrik pumps. Journal of Fluids and Structures, 90*, 432–449.
<https://doi.org/10.1016/j.jfluidstructs.2019.07.008>
- Messa, G. V., Yang, Q., Adedeji, O. E., Chára, Z., Duarte, C. A. R., Matoušek, V., Rasteiro, M. G., Sean Sanders, R., Silva, R. C., & Souza, F. J. De. (2021). *Computational Fluid Dynamics modelling of liquid–solid slurry flows in pipelines: State-of-the-art and future perspectives. Processes, 9*(9). <https://doi.org/10.3390/pr9091566>
- Mimmi, G., & Pennacchi, P. (n.d.). *Diaphragm design improvement for a metering pump*. www.elsevier.com/locate/engfailanal
- Mochizuki, H. (2000). *Evaluation method of check-valve integrity during sudden closure using thermal-hydraulic and structural analyses. In Nuclear Engineering and Design (Vol. 200)*.
www.elsevier.com/locate/nucengdes
- Mubarok, I. A. (2022). *Studi Numerik Pada Microbubble Generator Tipe Swirl Menggunakan Model Aliran Dua Fase Dan Population Balance Method*. Universitas Gadjah Mada.
- Pei, J., He, C., Lv, M., Huang, X., Shen, K., & Bi, K. (2016). *The valve motion characteristics of a reciprocating pump. Mechanical Systems and Signal Processing, 66–67*, 657–664.
<https://doi.org/10.1016/j.ymsp.2015.06.013>
- Petrea, N. D., Iordache, R. C., & Bujoreanu, C. (2022). *Analysis of Ball Check valves with Conical and Spherical Seat Designs from Common-Rail Pumps. Machines, 10*(10).
<https://doi.org/10.3390/machines10100959>
- Prihatmaja, D. A. A. (2023). *Studi Komputasi Pengaruh Taper Ratio Pada V-Tail Terhadap Maneuverability Unmanned Aerial Target* [Universitas Gadjah Mada]. TKM2143KE01 / I-2023 /2024 / BRAM / 23 / 05 / 15.08 / 2022
- Putro, A. H. (2021). *Simulasi Numerik Pengaruh Konfigurasi Flow Diverter Terhadap Karakteristik Aliran Flue Gas Pada Heat Recovery Steam Generator*. Universitas Gadjah Mada .
- Rizzuto, F. (2019). *One-dimensional positive displacement pump description in cavitating conditions*. University of Strathclyde.

- Sadeghi, M. (2022). *CFD Simulation of Turbulent non-Newtonian Slurry Flows in Horizontal Pipelines*. University of Alberta.
- Sanudi. (2023). *Simulasi CFD Karakteristik Aliran dan Perpindahan Panas Steam Pada Dinding Tangki Evaporator*. Universitas Gadjah Mada.
- Sharma, G. (2006). *CFD Analysis Of Turbulent Slurry Flow Through The Sensing Region Of Near Ir Diffuse Transmission And Reflectance Probes Mounted In A Pipe Flow*. Madhav Institute of Technology and Science.
- Stanley, N. (2023). *Studi Numerik Propeller Pesawat Tanpa Awak Untuk Misi Vertical Take-Off Landing*. Universitas Gadjah Mada.
- Suryolaksono, M. R. (2023). *Simulasi Numerik Pengaruh Geometri Nozzle Terhadap Thrust Dan Pola Aliran Propeler Kapal*. Universitas Gadjah Mada .
- Tabrizi, A. S., Asadi, M., Xie, G., Lorenzini, G., & Biserni, C. (2014). *Computational fluid-dynamics-based analysis of a ball valve performance in the presence of cavitation*. *Journal of Engineering Thermophysics*, 23(1), 27–38.
<https://doi.org/10.1134/S1810232814010044>
- Turesson, M. (n.d.). *Dynamic simulation of check valve using CFD and evaluation of check valve model in RELAP5*.
- Valdés, J. R., Rodríguez, J. M., Monge, R., Peña, J. C., & Pütz, T. (2014). *Numerical simulation and eksperimental validation of the cavitating flow through a ball check valve*. *Energy Conversion and Management*, 78, 776–786. <https://doi.org/10.1016/j.enconman.2013.11.038>
- Viel, A. *Strong Coupling of Modelica System-Level Models with Detailed CFD Models for Transient Simulation of Hydraulic Components in their Surrounding Environment*. In Proceedings of the 8th International Modelica Conference, Dresden, Germany, 20–22 March 2011; 256–265
- Versteeg, H. K., & Malalasekera, W. (2007). *An Introduction to Computational Fluid Dynamics Second Edition*.
www.pearsoned.co.uk/versteeg
- Wen, F. F., Cheng, Y. G., & Meng, W. W. (2018). *Dynamic hydraulic characteristics of a prototype ball valve during closing process analysed by 3D CFD method*. *IOP Conference Series: Earth and Environmental Science*, 163(1). <https://doi.org/10.1088/1755-1315/163/1/012115>

Yudhatama, I. W. (2018). *Simulasi Computational Fluid Dynamics (CFD) Erosi Partikel Pasir Dalam Aliran Fluida Gas Turbulen Pada Elbow Pipa Vertikal - Horizontal* [Tugas Akhir]. Institut Teknologi Sepuluh Nopember.

Zakky, S. J. (n.d.). *Studi Unjuk Kerja 315 Kw Gas Booster Reciprocating Compressor Dengan Variasi Diameter Silinder*.