

DAFTAR PUSTAKA

- A. Murat Ozbayoglu dan Yuksel, H.E. (2011). *Analysis of gas–liquid behavior in eccentric horizontal annuli with image processing and artificial intelligence techniques*. Journal of Petroleum Science and Engineering, [online] 81, pp.31–40. doi:<https://doi.org/10.1016/j.petrol.2011.12.008>.
- Budwig, R. (1994). *Refractive index matching methods for liquid flow investigations*. Experiments in Fluids, 17(5), pp.350–355. doi:<https://doi.org/10.1007/bf01874416>.
- Çengel, Y.A. dan Cimbala, J.M. (2024). *Fluid Mechanics*. New York: Mc Graw Hill Higher Education.
- Chen, C., Yu, B., Zhang, L., Huang, W., Zhou, H. dan Chen, Z. (2023). *A Study on the Application of an Image Correction Method in Piv Velocity Measurement in Round Pipes*. [online] doi:<https://doi.org/10.2139/ssrn.4348700>.
- García G.B. (2015). *Learning image processing with OpenCV exploit the amazing features of OpenCV to create powerful image processing applications through easy-to-follow examples*. Birmingham Packt Publ.
- Gonzalez, R.C. dan Woods, R.E. (2008) *Digital Image Processing. 3rd Edition*, Pearson Prentice Hall, Upper Saddle River.
- Kuntoro, H.Y., Deendarlianto dan Indarto (2015). *Analytical Investigation by Using the Two-fluid-model to Study the Interfacial Behavior of Air-water Horizontal Stratified Flow*. arXiv (Cornell University). doi:<https://doi.org/10.48550/arxiv.1511.04984>.
- Hashimoto, H. dan Sudo, S. (1985). *Dynamic Behavior of Stratified Fluids in a Rectangular Container Subject to Vertical Vibration*. Bulletin of JSME, 28(243), pp.1910–1917. doi:<https://doi.org/10.1299/jsme1958.28.1910>.
- Hashimoto, H. dan Sudo, S. (1988). *Violent liquid sloshing in vertically excited cylindrical containers*. Experimental Thermal and Fluid Science, [online] 1(2), pp.159–169. doi:[https://doi.org/10.1016/0894-1777\(88\)90033-7](https://doi.org/10.1016/0894-1777(88)90033-7).

- Hassan, Y.A. dan Dominguez-Ontiveros, E.E. (2008). *Flow visualization in a pebble bed reactor experiment using PIV and refractive index matching techniques*. Nuclear Engineering and Design, 238(11), pp.3080–3085.
doi:<https://doi.org/10.1016/j.nucengdes.2008.01.027>.
- Husada, S. (2023). Studi Karakteristik *Oscillating Surface* Fluida SAE 90 dan VG22 Dalam Pipa Vertikal Menggunakan Metode *Image Processing*. Skripsi Prodi Teknik Mesin Universitas Gadjah Mada.
- Kassir, S., I. Hassoon dan Riyadh, D. (2019). *Brain Tumor Localization and Extraction Algorithm in MRI Images*. [online]
https://www.researchgate.net/publication/344658533_BRAIN_TUMOR_LOCALIZATION_AND_EXTRACTION_ALGORITHM_IN_MRI_IMAGES.
- Khumaidi, A. dan Pradana, R.L. (2022). Identifikasi Penyebab Cacat Pada Hasil Pengelasan Dengan Image Processing Menggunakan Metode Yolo. Jurnal Teknik Elektro dan Komputer TRIAC, [online] 9(2), pp.107–112.
<https://journal.trunojoyo.ac.id/triac/article/view/15997/7365>.
- Maulana, F. (2022). Analisis Karakteristik *Oscillating Surface* Oli SAE 10W-40 dan ISO VG22 Dengan Operasi *Exciter* Pada Pipa Vertikal Menggunakan Metode *Image Processing*. Skripsi Prodi Teknik Mesin Universitas Gadjah Mada
- McAndrew, A. (2004). *Introduction to Digital Image Processing with MATLAB*. Boston, Mass.: Thomson/Course Technology.
- Muhaimin, I.A. (2023). Studi Eksperimen Karakteristik *Oscillating Surface* Fluida Akuades Dalam Pipa Vertikal Dengan Menggunakan Variasi Frekuensi Eksitasi dan Penerapan *Correction Box*. Skripsi Prodi Teknik Mesin Universitas Gadjah Mada
- Murti, P., Hyodo, H. dan Biwa, T. (2020). *Suppression of Liquid Surface Instability Induced by Finite-Amplitude Oscillation in Liquid Piston Stirling Engine*. Journal of Applied Physics, [online] 127(15).
doi:<https://doi.org/10.1063/5.0003921>.

- Padmanaban, A. (2006). *Film thickness measurements in falling annular films*.
[online] Usask.ca. <https://harvest.usask.ca/items/ad37eb07-e35b-4d9f-aed6-e853d07dcd48>.
- Rai, T., Morisi, A., Bacci, B., Bacon, N.J. dan Wells, K. (2019). *An Investigation of Aggregated Transfer Learning for Classification in Digital Pathology*. Digital Pathology, [online] p.28. doi:<https://doi.org/10.1117/12.2511754>.
- Rao, S.S. (2010) *Mechanical Vibration. 5th Edition*, Pearson Education, Inc., Upper Saddle River, 603-606.
- Ren, K. dan Wu, G.X. (2025). *Liquid Motion in Cylindrical Containers with Elastic Covers under External Excitation*. Journal of Sound and Vibration, pp.119156–119156.
doi:<https://doi.org/10.1016/j.jsv.2025.119156>.
- Rosebrock, A. (2016). *An Introductory, Example Driven Guide to Image Processing and Computer Vision*. Vol 1, No. 180.
- Sena, B. (2012). Pengaruh Densitas dan Viskositas Terhadap Profil Kecepatan pada Aliran Fluida Laminar di Dalam Pipa Horizontal. Faktor Exacta, [online] 5(3), pp.192–201.
https://www.journal.lppmunindra.ac.id/index.php/Faktor_Exacta/article/view/196/187.
- Sucipto, S., Miasa, I.M., Widyaparaga, A. dan Prakarso, H. (2023). Studi awal fenomena osilasi antarmuka air-udara pada pipa vertikal dan hubungannya dengan frekuensi osilasi dan level getaran. Journal of Mechanical Design and Testing, 5(2).
doi:<https://doi.org/10.22146/jmdt.73688>.
- Susilo, E.J., Dharma, U.S. dan Irawan, D. (2021). Pengaruh viskositas bahan bakar terhadap karakteristik aliran fluida pada pompa sentrifugal. ARMATUR : Artikel Teknik Mesin & Manufaktur, 2(1), pp.27–32.
doi:<https://doi.org/10.24127/armatur.v2i1.740>.
- Taylor, G., (1949). *The Instability of Liquid Surfaces When Accelerated in a Direction Perpendicular to Their Planes*. p. 192.

Yesilevskyi, V., Koliadin, A. dan Sereda, O. (2022). *Development of a Video Processing Module for the Task of Air Object Recognition Based on Their Contours*. Innovative technologies and scientific solutions for industries, [online] (3 (21)), pp.16–25.
doi:<https://doi.org/10.30837/ITSSI.2022.21.016>.

Yusuf, K.H., Deendarlianto dan Indarto (2015). *Analytical Investigation by Using the Two-fluid-model to Study the Interfacial Behavior of Air-water Horizontal Stratified Flow*. arXiv.org. [online]
<https://arxiv.org/abs/1511.04984>.