

DAFTAR PUSTAKA

- A. Mafaza Kanzul Fikri, Nuriman, N., & Yushardi, Y. (2022). Pengaruh Suhu dan Lama Waktu Roasting terhadap Massa Jenis Biji Kopi Robusta Menggunakan Mesin Roasting Tipe Hot Air. *Jurnal Pendidikan Mipa*, 12(2), 249–254. <https://doi.org/10.37630/jpm.v12i2.601>
- Alliez, P., Cohen-Steiner, D., Yvinec, M., & Desbrun, M. (2005). *Variational tetrahedral meshing*. June 2014, 617–625. <https://doi.org/10.1145/1186822.1073238>
- Andi Suryanto, S. B. (2023). *FLUIDA* (T. W. Pusblish (ed.)).
- Anggia, M., & Wijayanti, R. (2023). Studi Proses Pengolahan Kopi Metode Kering Dan Metode Basah Terhadap Rendemen Dan Kadar Air. *Jurnal Penelitian Dan Pengkajian Ilmiah Eksakta*, 2(2), 137–141. <https://doi.org/10.47233/jppie.v2i2.996>
- ANSYS, I. (2021). *CFD Experts Simulate the Future*. <https://www.ansys.com/>
- Arief, I. S., Jatmiko, E., & Nizar, P. K. (2013). Analisa pengaruh cekungan yang diterapkan pada plat datar terhadap aliran fluida untuk mendukung teknologi maritim pendekatan cfd. *Institut Teknologi Sepuluh Nopember Surabaya*, 1, 1–8.
- Arumsari, G. A., Surya, R., Irmasuryani, S., & Sapitri, W. (2021). Analisis Proses Roasting pada Kopi. *Jurnal Beta Kimia*, 1(2), 98–101. <http://ejurnal.undana.ac.id/index.php/jbkHalaman%7C98>
- Bahar, S., Yohana, E., Tony, M. S. K., Utomo, S., & Zaman, M. B. (2022). Simulasi Numerik Pengaruh Modifikasi Vortex Finder Terhadap Performa New Cyclone Separator. *Rotasi*, 24(1), 42–49.
- Boysan, F., Ayers, W. H., & Swithenbank, J. (1982). A fundamental mathematical modelling approach to cyclone design. *Trans IChemE*, 60, 222–230.
- Budiyanto, B., Uker, D., & Izahar, T. (2021). Karakteristik Fisik Kualitas Biji Kopi Dan Kualitas Kopi Bubuk Sintaro 2 Dan Sintaro 3 Dengan Berbagai Tingkat Sangrai. *Jurnal Agroindustri*, 11(1), 54–71. <https://doi.org/10.31186/j.agroindustri.11.1.54-71>
- Chen, X., Yu, J., & Zhang, Y. (2021). The use of axial cyclone separator in the separation of wax from natural gas: A theoretical approach. *Energy Reports*, 7, 2615–2624. <https://doi.org/10.1016/j.egyr.2021.05.006>

- Cortés, C., & Gil, A. (2007). Modeling the gas and particle flow inside cyclone separators. *Progress in Energy and Combustion Science*, 33(5), 409–452. <https://doi.org/10.1016/j.pecs.2007.02.001>
- Dawami Afrah, B., Riadz, T., Novia, N., Ilmi, N., & Wulandari, V. D. (2023). *Performance Evaluation of Cyclone Separator With Computational Fluid Dynamic Simulation*. 1–53.
- Elsayed, K., & Lacor, C. (2014). Analysis and optimisation of cyclone separators geometry using RANS and LES methodologies. *Notes on Numerical Fluid Mechanics and Multidisciplinary Design*, 125, 65–74. https://doi.org/10.1007/978-3-662-43489-5_8
- Escue, A., & Cui, J. (2010). Comparison of turbulence models in simulating swirling pipe flows. *Applied Mathematical Modelling*, 34(10), 2840–2849. <https://doi.org/10.1016/j.apm.2009.12.018>
- Febrian, W., & Anggara, M. (2023). Analisis Distribusi Panas pada Variasi Posisi Pipa dan Diameter Pipa Penghantar Panas terhadap Efisiensi Pengeringan Rengginang menggunakan Computational Fluid Dynamic (CFD). *Jurnal Flywheel*, 14(2), 36–49. <https://doi.org/10.36040/flywheel.v14i2.6854>
- Ghurri, A. (2014). Dasar-Dasar Mekanika Fluida. *Dasar-Dasar Mekanika Fluida*, 1. https://simdos.unud.ac.id/uploads/file_pendidikan_1_dir/2e54aeb12421ee1a17c35e14ba49cb23.pdf
- Gomez, L., Mohan, R., & Shoham, O. (2004). Swirling gas-liquid two-phase flow - Experiment and modeling part I: Swirling flow field. *Journal of Fluids Engineering, Transactions of the ASME*, 126(6), 935–942. <https://doi.org/10.1115/1.1849253>
- Griffiths, W. D., & Boysan, F. (1996). Computational fluid dynamics (CFD) and empirical modelling of the performance of a number of cyclone samplers. *Journal of Aerosol Science*, 27(2), 281–304. [https://doi.org/10.1016/0021-8502\(95\)00549-8](https://doi.org/10.1016/0021-8502(95)00549-8)
- Guo, M., Yang, L., Son, H., Le, D. K., Manickam, S., Sun, X., & Yoon, J. Y. (2024). An overview of novel geometrical modifications and optimizations of gas- particle cyclone separators. *Separation and Purification Technology*, 329(January), 125136. <https://doi.org/10.1016/j.seppur.2023.125136>
- Hreiz, R., Lainé, R., Wu, J., Lemaitre, C., Gentric, C., & Fünfschilling, D. (2014). On the effect of the nozzle design on the performances of gas-liquid cylindrical cyclone separators. *International Journal of Multiphase*

Flow, 58, 15–26. <https://doi.org/10.1016/j.ijmultiphaseflow.2013.08.006>

Hudaya, A. Z., Widyatama, A., Dinaryanto, O., Juwana, W. E., Indarto, & Deendarlianto. (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(January), 304–317. <https://doi.org/10.1016/j.expthermflusci.2019.01.021>

Husairy, A., & Leonanda, B. D. (2014). Simulasi Pengaruh Variasi Kecepatan Inlet Terhadap Persentase Pemisahan Partikel Pada *Cyclone Separator* Dengan Menggunakan Cfd. *Jurnal Rekayasa Sipil (JRS-Unand)*, 10(1), 12. <https://doi.org/10.25077/jrs.10.1.12-21.2014>

Husodo, B. (2020). Konsumsi kopi untuk mencegah penyakit alzheimer. *Jurnal Ilmiah Kesehatan Sandi Husada*, 12(2), 996-1002.

Jalaluddin, J., Akmal, S., ZA, N., & Ishak, I. (2019). Analisa Profil Aliran Fluida Cair Dan Pressure Drop Pada Pipa L Menggunakan Metode Simulasi Computational Fluid Dynamic (Cfd). *Jurnal Teknologi Kimia Unimal*, 8(1), 97. <https://doi.org/10.29103/jtku.v8i1.3396>

Kashan Bashir. (2015). Design and fabrication of *cyclone separator*. *ResearchGate*, August 2015. <https://doi.org/10.13140/RG.2.2.20727.83368>

Martin J. Rhodes, Jonathan Seville (2008). Introduction to Particle Technology. Martauli, E. D. (2018). Analisis Produksi Kopi di Indonesia. *Journal of Agribusiness Sciences*, 01(02), 112–120.

Mirzaei, M., Jensen, P. A., Nakhaei, M., Wu, H., Zakrzewski, S., Zhou, H., & Lin, W. (2023). CFD-DDPM coupled with an agglomeration model for simulation of highly loaded large-scale cyclones: Sensitivity analysis of sub-models and model parameters. *Powder Technology*, 413(August 2022), 118036. <https://doi.org/10.1016/j.powtec.2022.118036>

Ojha, M., Cobbold, R. S. C., & Johnston, K. W. (1994). Influence of angle on wall shear stress distribution for an end-to-side anastomosis. *Journal of Vascular Surgery*, 19(6), 1067–1073. [https://doi.org/10.1016/S0741-5214\(94\)70219-5](https://doi.org/10.1016/S0741-5214(94)70219-5)

Park, D., & Go, J. S. (2020). Design of *cyclone separator* critical diameter model based on machine learning and cfd. *Processes*, 8(11), 1–13. <https://doi.org/10.3390/pr8111521>

Pengeringan Biji Kopi dengan Pengering Tipe Bak dengan Sumber Panas Tungku Sekam Kopi dan Kolektor Surya, K., Agustina, R., Syah, H., & Moulana, R. (2016). Karakteristik Pengeringan Biji Kopi dengan Pengering Tipe

Bak dengan Sumber Panas Tungku Sekam Kopi dan Kolektor Surya. *Jurnal Ilmiah Teknologi Pertanian AGROTECHNO*, 1(1), 20–27.

Pusdatin. (2020). Outlook Komoditas Perkebunan Kopi 2022. *Outlook Komoditas Perkebunan Kopi 2022*, 1–103.

Rahmawati, F., Samadikun, B. P., & Hadiwidodo, M. (2020). Performance Evaluation of Cyclone Particulate Controller and Wet Scrubber Unit in Paper Mill 7/8 PT. Pura Nusapersada Kudus. *Jurnal Presipitasi : Media Komunikasi Dan Pengembangan Teknik Lingkungan*, 17(2), 144–153. <https://doi.org/10.14710/presipitasi.v17i2.144-153>

Rudy Irwanto Sihotang, M., & Asral. (2019). *Kaji Eksperimental Cyclone Separator Pada System Pneumatic Conveying Dengan Variasi Partikel Padat*. 6, 1–3.

Sarvina, Y., June, T., Surmaini, E., Nurmalinga, R., & Hadi, S. S. (2020). Strategi Peningkatan Produktivitas Kopi serta Adaptasi terhadap Variabilitas dan Perubahan Iklim melalui Kalender Budidaya. *Jurnal Sumberdaya Lahan*, 14(2), 65. <https://doi.org/10.21082/jsdl.v14n2.2020.65-78>

Simanjuntak, H. F. P., Manik, P., & Santosa, A. W. B. (2016). Analisa Pengaruh Panjang Dan Bentuk Geometri Lunas Bilga Terhadap Arah Dan Kecepatan Aliran (Wake) Pada Kapal Ikan Tradisional (Studi Kasus Kapal Tipe Kragan). *Jurnal Teknik Perkapalan*, 4(4), 345–352.

Solikhin, Wicaksono, P. A., & Santoso, A. W. B. (2023). Penerapan Teknologi Tepat Guna Mesin Roasting Kopi Pada Ukm Kopi Pinanggih. *Jurnal Pasopati*, 5(3), 138–143. <http://ejournal2.undip.ac.id/index.php/pasopati>

Sriyono. (2012). Analisis Dan Pemodelan Cyclone Separator Sebagai Prefilter Debu Karbon Pada Sistem Pemurnian Helium Reaktor Rgt200K. *Prosiding Seminar Nasional Ke-18 Teknologi Dan Keselamatan PLTN Serta Fasilitas Nuklir, September*, 215–226.

Syamsudin, F. F., Maridjo, M., & Yuliyani, I. (2023). Pengaruh Penggunaan Rasio Geometri High Efficiency Stairmand terhadap Efisiensi Pengumpulan Top Cyclone Separator. *Jurnal Teknik Energi*, 12(1), 19–23. <https://doi.org/10.35313/energi.v12i1.5001>

Taiwo, M. I., Namadi, M. A., & Mokwa, B. (2016). *Design and analysis of cyclone dust separator*. <https://api.semanticscholar.org/CorpusID:212461440>

Usda, B. O., Yohana, E., & Tauviqirrahman, M. (2023). Analisis Perpindahan Panas dan Massa Partikel Pada Pengeringan Semprot Bertemperatur Rendah dengan Menggunakan Kombinasi Sudut Semprot. *Jurnal Teknik Mesin S-1*, 11(3), 59–68.

- Versteeg, H. K., & Malalasekera, W. (2007). An Introduction to Computational Fluid Dynamics. In *Open Journal of Fluid Dynamics* (Vol. 1, Issue 01). <https://doi.org/10.4236/ojfd.2020.101005>
- Wang-li, L. (2004). *Theoretical Sutdy of Cyclone Design*. May, 1–137. <http://hdl.handle.net/1969.1/2192>
- Wang, B., Xu, D., Leith, D., & Volkwein, J. (2006). Theory of the cyclone. *Chemical Engineering Science*, 61(2), 231-239.
- Wang, L., Parnell, C. B., & Shaw, B. W. (1999). Performance characteristics for the 1D2D, 2D2D, 1D3D and Barrel cyclones. *ASAE Annual International Meeting, January*, No.99-4195.
- Wei, Q., Sun, G., & Gao, C. (2020). Numerical analysis of axial gas flow in cyclone separators with different vortex finder diameters and inlet dimensions. *Powder Technology*, 369, 321–333. <https://doi.org/10.1016/j.powtec.2020.05.038>
- Xu, W., Li, Q., Wang, J., & Jin, Y. (2016). Performance evaluation of a new cyclone separator - Part II simulation results. *Separation and Purification Technology*, 160, 112–116. <https://doi.org/10.1016/j.seppur.2016.01.012>
- Yohana, E., Mohammad Tauviqirrahman, B. K. P., Choi, K.-H., & Carles, H. (2023). *KARAKTERISTIK DAN PERFORMA CYCLONE SEPARATOR DENGAN PENAMBAHAN VORTEX FINDER (TAPPERED OUT*