



## DAFTAR PUSTAKA

- Bayetero, C. M., Yépez, C. M., Cevallos, I. B., & Rueda, E. H. (2022). Effect of the use of additives in biodiesel blends on the performance and opacity of a diesel engine. *Materials Today: Proceedings*, 49, 93–99. <https://doi.org/10.1016/j.matpr.2021.07.478>
- Depkes RI. (1995). *Farmakope Indonesia* (IV). Depkes RI.
- Eswararao, Y., Renganathan, T., & Pushpavanam, S. (2022). Continuous synthesis of surfactant stabilised water in diesel emulsion by steam condensation. *Chemical Engineering and Processing - Process Intensification*, March, 108906. <https://doi.org/10.1016/j.cep.2022.108906>
- Ghojel, J., Honnery, D., & Al-Khaleefi, K. (2006). Performance, emissions and heat release characteristics of direct injection diesel engine operating on diesel oil emulsion. *Applied Thermal Engineering*, 26(17–18), 2132–2141. <https://doi.org/10.1016/j.applthermaleng.2006.04.014>
- Hisprastin, Y., & Nuwarda, R. F. (2018). Review: Perbedaan Emulsi Dan Mikroemulsi Pada Minyak Nabati. *Farmaka*, 16(1), 133–140. <https://jurnal.unpad.ac.id/farmaka/article/viewFile/17424/pdf>
- Hoang, A. T., Le, M. X., Huang, Z., Veza, I., Said, Z., Le, A. T., Tran, V. D., & Nguyen, X. P. (2022). *Understanding behaviors of compression ignition engine running on metal nanoparticle additives-included fuels : A control comparison between biodiesel and diesel fuel* (Vol. 326, Issue June). <https://doi.org/10.1016/j.fuel.2022.124981>
- Kementerian Energi dan Sumber Daya Mineral (2020). Pedoman Penanganan dan Penyimpanan Biodisel dan Campuran Biodisel (B30). Direktorat Jenderal Energi Baru, Terbarukan dan Konversi Energi Kementerian Energi dan Sumber Daya Mineral
- Komatsu. (2003). *Motor Diesel*. United Tractors.
- Mukhtar, M., Hagos, F. Y., Aziz, A. R. A., Abdulah, A. A., & Karim, Z. A. A. (2022). *Combustion characteristics of tri-fuel (diesel-ethanol-biodiesel)*



- emulsion fuels in CI engine with micro-explosion phenomenon attributes.*  
*Fuel*, 312(December 2021), 122933.  
<https://doi.org/10.1016/j.fuel.2021.122933>
- Myers, D. (2006). *Myers (2006) - Surfactant science and technology*.
- Naga, G., Siddartha, V., Siva, C., Kumar, P., Rao, Y. A., Dalela, N., Singh, A., & Sharma, A. (2022). *Materials Today : Proceedings Effect of fuel additives on internal combustion engine performance and emissions. Materials Today: Proceedings*, x. <https://doi.org/10.1016/j.matpr.2022.06.307>
- Nejad, A. S., & Zahedi, A. R. (2018). *Optimization of biodiesel production as a clean fuel for thermal power plants using renewable energy source. Renewable Energy*, 119, 365–374.
- Park, J., & Oh, J. (2022). Study on the characteristics of performance, combustion, and emissions for a diesel water emulsion fuel on a combustion visualization engine and a commercial diesel engine. *Fuel*, 311(November 2021), 122520. <https://doi.org/10.1016/j.fuel.2021.122520>
- Rabiman, & Zainal Arifin. (2011). *Sistem Bahan Bakar Motor Diesel*. Graha Ilmu, Yogyakarta.
- Scarpete, D. (2013). Diesel-Water Emulsion , an Alternative Fuel To Reduce Diesel Engine Emissions . a Review. *Machines, Technologies, Materials*, 7, 7–10.
- Sulistyo, N (2020). Pengaruh Bahan Bakar Campuran Solar-air dengan Surfaktan Span 80 dan Buah Lerak terhadap Emisi pada Mesin Diesel 1 Silinder, 14-16.
- Tambunan, P (2017). Effect of the use of Water in Fuel Emulsion on Performance and NOx on The Diesel Engine, 8-9.
- Verma, S., Sharma, B., Ahmad, J., Dwivedi, G., & Nandan, G. (2018). Impact assessment of Ethanol as Fuel for Engine operation. *Materials Today: Proceedings*, 5(2), 6115–6120. <https://doi.org/10.1016/j.matpr.2017.12.217>
- Wiranto Arismunandar, & Tsuda Koichi. (1997). *Motor Diesel Putaran Tinggi*. Pradnya Paramita.
- Zeng, Y., & Lee, C. F. (2002). Modelling of atomization under flash boiling conditions. In *Journal of the Korean Society of Combustion* (Vol. 7, Issue 1, pp. 44–51).



**Analisis Laju Konsumsi Bahan Bakar Dan Opasitas Mesin Diesel 1 Silinder Menggunakan Bahan Bakar Emulsi Dengan Surfaktan Span 80 Serta Penambahan Zat Aditif Laporan Tugas Akhir**

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