

## DAFTAR PUSTAKA

- Abd-Alla, G. (2002). Using *Exhaust gas recirculation* in internal combustion engines: a review. *Energy Conversion and Management*, 43(8), 1027-1042. [https://doi.org/10.1016/s0196-8904\(01\)00091-7](https://doi.org/10.1016/s0196-8904(01)00091-7)
- Ağbulut, Ü., Sarıdemir, S., & Durucan, G. (2018). The impacts of ethanol - gasoline blended fuels on the pollutant emissions and performance of a spark - ignition engine : an empirical study. *International Journal of Analytical Experimental and Finite Element Analysis (IJAEEFA)*, 5(4). <https://doi.org/10.26706/ijaeefa.4.5.20181201>
- Banapurmath, N. R., Gadwal, S. B., Kamoji, M. A., Rampure, P. B., & Khandal, S. V. (2018). Impact of Injection Timing on the Performance of *Single Cylinder DI Diesel Engine Fueled with Solid Waste Converted Fuel*. *European Journal of Sustainable Development Research*, 2(4). <https://doi.org/10.20897/ejosdr/3914>
- Bedar, P., & Kumar, G. N. (2016). *Exhaust gas recirculation (EGR)*—Effective way to reduce NO<sub>x</sub> emission. *J Mech Eng Biomech*, 1(2), 69-73.
- Bogdanowicz, A., & Kniaziewicz, T. (2020). Marine diesel engine *exhaust* emissions measured in ship's dynamic operating conditions. *Sensors*, 20(22), 6589. <https://doi.org/10.3390/s20226589>
- Čampara, L., Hasanspahić, N., & Vujčić, S. (2018). Overview of MARPOL ANNEX VI regulations for prevention of air pollution from marine diesel engines. *SHS Web of Conferences*, 58, 01004. <https://doi.org/10.1051/shsconf/20185801004>
- De Serio, D., De Oliveira, A., & Sodr , J. R. (2017). Effects of *EGR* rate on performance and emissions of a diesel power generator fueled by B7. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, 39(6), 1919-1927. <https://doi.org/10.1007/s40430-017-0777-x>
- De Serio, D., De Oliveira, A., & Sodr , J. R. (2017). Effects of *EGR* rate on performance and emissions of a diesel power generator fueled by B7. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, 39(6), 1919-1927. <https://doi.org/10.1007/s40430-017-0777-x>
- Enweremadu, C., & Rutto, H. (2010). Combustion, emission and engine performance characteristics of used cooking oil biodiesel—A review. *Renewable and Sustainable Energy Reviews*, 14(9), 2863-2873. <https://doi.org/10.1016/j.rser.2010.07.036>
- Flynn, P. (2000). Diesels-Promises & Issues. In *Cummins Engine Company (US)*. <https://www.osti.gov/biblio/827487>
- Fourth Greenhouse Gas Study 2020*. (n.d.). <https://www.imo.org/en/ourwork/environment/pages/fourth-imo-greenhouse-gas-study-2020.aspx>
- Gopinath, S., Devan, P., Mohan, C., Rao, L. K., Kumar, P. L., & Prasad, S. V. (2020). A review on influence of injection timing and injection pressure on DI diesel engine fuelled with low viscous fuel. *Materials Today Proceedings*, 33, 280-286. <https://doi.org/10.1016/j.matpr.2020.04.070>
- Gu, W., & Su, W. (2023). Study on the Effects of *Exhaust gas recirculation* and Fuel Injection Strategy on Transient Process Performance of Diesel Engines. *Sustainability*, 15(16),12403. <https://doi.org/10.3390/su151612403>

- Ilchev, S. (2024). Intelligent Electronic Control module for laser light projection systems in industrial and educational environments. *IFAC-PapersOnLine*, 58(3), 381-386. <https://doi.org/10.1016/j.ifacol.2024.07.181>
- Internal Combustion Engine Fundamentals, 2nd Edition*, John Heywood, 1260116107, 9781260116106. (n.d.). <https://www.standardsmedia.com/Internal-Combustion-Engine-Fundamentals-2nd-Edition-10137-book.html>
- Issa, M., Ibrahim, H., Ilinca, A., & Hayyani, M. Y. (2019). A review and economic analysis of different emission reduction techniques for marine diesel engines. *Open Journal of Marine Science*, 09(03), 148-171. <https://doi.org/10.4236/ojms.2019.93012>
- Jayabal, R., Thangavelu, L., & Velu, C. (2019). Experimental investigation on the effect of ignition enhancers in the blends of Sapota Biodiesel/Diesel blends on a CRDI engine. *Energy & Fuels*, 33(12), 12431-12440. f
- Kannan, G., & Anand, R. (2012). Effect of injection pressure and injection timing on DI diesel engine fuelled with biodiesel from waste cooking oil. *Biomass and Bioenergy*, 46, 343-352. <https://doi.org/10.1016/j.biombioe.2012.08.006>
- Lois, E., Keating, E., & Gupta, A. (2003). Fuels. In *Elsevier eBooks* (pp. 275-314). <https://doi.org/10.1016/b0-12-227410-5/00268-4>
- M. Vijay Kumar, Alur Veeresh Babu, Ch. Rami Reddy, Pandian, A., Bajaj, M., Zawbaa, H. M., & Kamel, S. (2022). Investigation of the combustion of *Exhaust gas recirculation* in diesel engines with a particulate filter and selective catalytic reactor technologies for environmental gas reduction. *Case Studies in Thermal Engineering*, 40, 102557-102557. <https://doi.org/10.1016/j.csite.2022.102557>
- Plotnikov, L., & Grigoriev, N. (2021). Modernization of the Mechanical Fuel System of a Diesel Locomotive Engine through Physical and Numerical Modeling. *Energies*, 14(24), 8554. <https://doi.org/10.3390/en14248554>
- Rajesh, A., Gopal, K., Victor, D. P. M., Kumar, B. R., Sathiyagnanam, A., & Damodharan, D. (2020). Effect of anisole addition to waste cooking oil methyl ester on combustion, emission and performance characteristics of a DI diesel engine without any modifications. *Fuel*, 278, 118315. <https://doi.org/10.1016/j.fuel.2020.118315>
- Report of the Special Rapporteur on the Implications for Human Rights of the Environmentally Sound Management and Disposal of Hazardous Substances and Wastes, Marcos Orellana, on his visit to the International Maritime Organization, 14 July 2023. (2024b). *Ocean Yearbook Online*, 38(1), 790-821. <https://doi.org/10.1163/22116001-03801026>
- Sethin, A., Oo, Y. M., Thawornprasert, J., & Somnuk, K. (2024). Effects of Blended Diesel-Biodiesel Fuel on Emissions of a Common Rail Direct Injection Diesel Engine with Different *Exhaust gas recirculation* Rates. *ACS Omega*, 9(19), 20906-20918. <https://doi.org/10.1021/acsomega.3c10125>
- Steciak, J. ONE-DIMENSIONAL ENGINE MODELING AND VALIDATION USING RICARDO WAVE.
- Syarifuddin, A., Utomo, M. S. T., & Syaiful. (2016). Performa dan emisi gas buang mesin bensin dengan sistem *EGR* panas pada campuran bahan bakar premium dan high purity methanol. *Jurnal Mekanikal*, 7(1), 652-661.

- Vijayaraj, K., & Sathiyagnanam, A. (2015). Experimental investigation of a diesel engine with methyl ester of mango seed oil and diesel blends. *Alexandria Engineering Journal*, 55(1), 215-221. <https://doi.org/10.1016/j.aej.2015.12.001>
- Yang, J., Chen, T., Liu, H., & Zheng, Z. (2012). Effect of *Exhaust gas recirculation (EGR)* on combustion and emissions during cold start of direct injection (DI) diesel engine. *Applied Thermal Engineering*, 48, 97-104. <https://doi.org/10.1016/j.applthermaleng.2012.04.039>
- Yang, X., Liao, C., & Liu, J. (2012). Harmonic analysis and optimization of the intake system of a gasoline engine using GT-power. *Energy Procedia*, 14, 756-762. <https://doi.org/10.1016/j.egypro.2011.12.1007>
- Youssef, A., & Ibrahim, A. (2024). NOx emissions reduction through applying the *Exhaust gas recirculation (EGR)* technique for a diesel engine fueled with a diesel-biodiesel-diethyl ether blend. *Energy Storage and Saving*, 3(4), 318-326. <https://doi.org/10.1016/j.enss.2024.10.003>
- Zhang, F., Wang, Z., Tian, J., Li, L., Yu, K., & He, K. (2020). Effect of *EGR* and Fuel Injection Strategies on the Heavy-Duty Diesel Engine Emission Performance under Transient Operation. *Energies*, 13(3), 566-566. <https://doi.org/10.3390/en13030566>