# DAFTAR PUSTAKA


A Iswantoro, B. Cahyono, M. B. Zaman, Semin, & W. Busse. (2021). The effect of use of biodiesel B30 from palm oil to degradation of oil lubrication in 1-cylinder diesel engine 4-stroke.

Achmad, A. K., Fathurrahman, N. A., Kunarti, E. S., Wibowo, C. S., Khalil, M., & Al-Saadi, A. A. (2025). Optimizing cold-flow properties and oxidation stability of B40 biodiesel blend with turpentine oil and ethanol: Experimental and quantum chemical approach. Fuel, 381(Part A), 133258. https://doi.org/10.1016/j.fuel.2024.133258

Amalia, R. (2021). Teknologi proses produksi biodiesel (1st ed., viii, 43 hlm). Media Publishing. ISBN 978-623-02-3719-5.

Aprillia, I. S. (2024). Kebijakan mobil listrik di Indonesia: Tantangan dan peluang dalam mewujudkan mobilitas ramah lingkungan. Jurnal Pendidikan Sejarah dan Riset Sosial Humaniora, 4(3).

Basri, M. L. A. F. (2024). Analisis identifikasi kerusakan valve gas buang mesin diesel generator di kapal SPB. Lebam (Diploma thesis, Politeknik Ilmu Pelayaran Makassar).

Bizualem, Y. D., Nurie, A. G., & Nadew, T. T. (2024). A review on biodiesel micromixers: Types of micromixers, configurations, and flow patterns. Heliyon, 10(15), e34790. https://doi.org/10.1016/j.heliyon.2024.e34790

Budyanto, M. Arif. (2012). Simulasi pembakaran mesin diesel bahan bakar ganda (Solar-Gas). Tesis Magister, Universitas Indonesia, Depok.

Çalık, A. (2024). Exploring the efficiency and emission characteristics of hydroxy-boosted canola biodiesel in comparison to traditional diesel fuels. Frontiers in Energy Research, 12, 1386440. https://doi.org/10.3389/fenrg.2024.1386440

Cengel, Y. A., & Boles, M. A. (2014). Thermodynamics: An engineering approach (8th ed.). McGraw-Hill Education.

Elgharbawy, A. S., Osman, A. I., El Demerdash, A. G. M., Sadik, W. A., Kasaby, M. A., & Ali, S. E. (2024). Enhancing biodiesel production efficiency with industrial waste-derived catalysts: Techno-economic analysis of microwave and ultrasonic transesterification methods. Energy Conversion and Management,321,118945. https://doi.org/10.1016/j.enconman.2024.118945

Fahdihilah, T. T. Z. S., Irfan, S., Herlambang, S. M., Prawoto, A., & Gunarti, M. R. (2025). Analisis Dampak Tersumbatnya Sistem Pelumasan Pada Mesin Diesel Generator Tipe Weichai Di MV. Tasik Mas Dengan Metode Fishbone Diagram. Innovative: Journal Of Social Science Research, 5(2), 2475–2488. https://doi.org/10.31004/innovative.v5i2.18555

Febriansyah, K., & Siti Nurrohkayati1, A. (2024). Cara Kerja Pengoperasian Mesin Diesel MaK 8M453B. National Multidisciplinary Sciences, 3(1), 184–189.Retrievedfrom https://proceeding.unmuhjember.ac.id/index.php/nms/article/view/531

Hanif, S. (2004). Performance test of biodiesel as alternative fuel for diesel engine. J. R & B, 4(1), March 2004.

Harjanto, B., Wijanarko, H., & Sukahar. (2025). Pengaruh Celah Elektrode Busi Terhadap Kinerja Mesin Honda Gl 100. Jurnal Mekanikasista, 12(2), 99–116. https://doi.org/10.63824/jtmp.v12i2.306

Heywood, J. B. (2018). Internal combustion engine fundamentals (2nd ed.). McGraw-Hill Education

Hutagalung, E. S., & Praswanto, D. H. (2025). Analisa pengaruh maintenance chemical cleaning terhadap penurunan performa turbin gas compressor di lapangan minyak dan gas lepas pantai. JMMME, 5(1). https://doi.org/10.47549/jmmme.v5i1.13757

KementrianESDM, 2025, https://www.esdm.go.id/id/media-center/arsip-berita/wujudkan-ketahanan-energi-dan-kurangi-impor-menteri-esdm-mandatori-b40-berlaku-1-januari-2025

King, Rusmaryadi, H., & Desta Marsani. (2023). Eksperimental Dampak Pemakaian Secara Periodik Bentuk Lain Bahan Bakar Lpg Atas Performansi Mesin Kendaraan Bermotor Dan Emisi Gas Buang Yang Dihasilkan. Jurnal Desiminasi Teknologi, 12(2), 111–124. https://doi.org/10.52333/destek.v12i2.721

Knothe, G. (2010). Biodiesel and renewable diesel: A comprehensive review. Springer Science & Business Media.

Konitat, S., & Nina, K. (2021). Performance and emission effects of biodiesel 30% (B30) usage in oil-fired power plants and gas engine power plants. IOP Conf. Ser.: Earth Environ. Sci., 749, 012056.

Kusuma, A. R., Aminudin, A., & Romandonia, N. (2024). Pengaruh variasi coil menggunakan busi iridium terhadap performa, emisi dan konsumsi bahan bakar motor bensin 4 langkah 150 cc dengan bahan bakar etanol 96%. Jurnal Mekanika dan Energi (ME), 3(2). ISSN 3048-2836.

Laguado-Ramírez, R., Hernandez-Villamizar, F., & Duarte-Forero, J. (2024). Comparative assessment of emissions, performance, and economics parameters for a dual–fuel diesel generator operating with rice bran biodiesel and hydrogen. Heliyon, 10(11), e32109. https://doi.org/10.1016/j.heliyon.2024.e32109

Lostari, A., Winangun, K., & Riani, N. I. (2024). Pemodelan mesin diesel dual fuel (DDF) menggunakan bahan bakar biodiesel dan gas hidrogen. TURBO: Jurnal Program Studi Teknik Mesin UM Metro, 13(2), 524–534. https://doi.org/10.24127/trb.v13i2.3750

Luft, S. (2008). Attempt to compare basic combustion parameters of a dual-fuel compression ignition engine for various main fuels and their delivery modes. Wydawnictwo Politechniki Krakowskiej, Krakowskiej.

Marwani, M., & Fitrian, A. (2013, November 28). Kaji eksperimental konsumsi bahan bakar dan emisi gas buang mesin diesel 2KD-FTV D4D common rail berbahan bakar biosolar–pertadex. Seminar Nasional Added Value of Energy Resources (AVoER) ke-5, Palembang, Indonesia.

Nugroho, A., Walujo, I. B., & Sinaga, N. (2020). Kaji Eksperimental Penggunaan Dual Fuel Pada Mesin Diesel Berbahan Bakar Dexlite â€“LPG. Majalah Ilmiah Momentum, 16(1). https://doi.org/10.36499/jim.v16i1.3365

Nurmila J. (2024) Analisis Kinerja Tungku Biomassa Injeksi Uap Over Fire Menggunakan Bahan Bakar Kayu Cemara Gunung Dengan Variasi Volume Air Injeksi. Skripsi thesis, Universitas Hasanuddin Makassar.

Nurmuslimah, S., Munir, M., & Pambudi, R. (2025). Sistem kontrol suhu pada mesin peleleh coklat menggunakan Arduino Nano dan sensor suhu. Prosiding Seminar Implementasi Teknologi Informasi dan Komunikasi, 4(1), 113. https://doi.org/10.31284/p.semtik.2025-1.7225

Praptijanto, A.B., Santoso, W., & Putrasari, Y. (2009). Simulasi uji performance pada motor diesel injeksi langsung (1 silinder) 677 CC menggunakan bahan bakar dual fuel (diesel-sekam padi), Lab. Motor Bakar Puslit Telimek, Lembaga Ilmu Pengetahuan Indonesia, Bandung.

Prasution, H., Islam, S., Saputro, A. R., Sugianto, E., Sutrisno, D., & Semin, P. (2025). Revolusi ekonomi hijau: Pemanfaatan limbah plastik sebagai sumber bahan bakar mesin diesel. PT Nasya Expanding Management.

Prasution, H., Islam, S., Saputro, A. R., Sugianto, E., Sutrisno, D., & Semin, P. (2025). Revolusi ekonomi hijau: Pemanfaatan limbah plastik sebagai sumber bahan bakar mesin diesel. PT Nasya Expanding Management.

Pratama, Adib Yorizka (2025) Pengaruh Penambahan Syngas Hasil Gasifikasi Pelet Cangkang Sawit Terhadap Unjuk Kerja Mesin Diesel Dual Fuel. Other thesis, Institut Teknologi Sepuluh Nopember

Putra, A. A., Purba, K. F. F., Simanjuntak, M. D., & Aulia, A. (2025). Analisis performance test aero turbine Rolls-Royce M250-C20B. Jurnal Sains Student Research (JSSR), 3(2).

Rahman, M. M., Kalam, M. A., & Masjuki, H. H. (2021). A review of the development and performance evaluation of dual-fuel compression ignition engines. Renewable and Sustainable Energy Reviews, 137, 110455. https://doi.org/10.1016/j.rser.2020.110455

Rahmayanti, W., Bambang Puguh M, & Indriyani, I. (2024). Evaluasi Kerja Pembangkit Listrik Tenaga Diesel Gas Dual Fuel PT Indonesia Power Up Bali Jurnal Surya Teknika, 11(1),435-438. https://doi.org/10.37859/jst.v11i1.7369

Rombe, M. ., Arham, M. ., Mubarak, H. ., & Taha, S. . (2024). Analisis Performance Turbine Terhadap Peningkatan Kebutuhan Excess O2 Secondary Boiler Pada Power Plan PT. Semen Tonasa Capacity Of 70 MW. Majamecha, 6(2), 219–236. https://doi.org/10.36815/majamecha.v6i2.3471

Sa'diyah, A., Aulatama, A. A., Shah, M. ., Anis Mustaghfirin, M. ., Nidhor Fairuza, M., & Haryono, E. . (2024). Pengaruh Rasio Bahan Bakar Multi-feedstock Biodiesel Terhadap Nilai Emisi Gas Buang Pada Mesin Diesel 4 Langkah. Jurnal Teknologi Maritim, 8(1), 30–41. https://doi.org/10.35991/jtm.v8i1.48

Saputro, W. (2025). Pengaruh performa mesin diesel berbahan bakar crude palm oil (CPO) dan B35 terhadap variasi pembebanan. Creative Research in Engineering (CERIE), 5(1).

Shafir, A., Nurlansi, & La Harimu, B. (2024). Penambahan etanol pada bahan bakar Pertalite untuk meningkatkan lama pemakaian dan menurunkan emisi gas buang dalam kendaraan. Sains: Jurnal Kimia dan Pendidikan Kimia, 13(2), [halaman jika diketahui]. http://sains.uho.ac.id/index.php/journal

Sharma, N., Agarwal, A. K., & Singh, A. P. (2021). Experimental investigations on the effects of pilot injection strategies in a CNG-diesel dual-fuel engine. Energy, 219, 119547. https://doi.org/10.1016/j.energy.2020.119547

Stepien, Z., Urzedowska, W., & Oleksiak, S. (Year). Research on emissions and engine lube oil deterioration of diesel engines with biofuels. Institute of Petroleum Processing, Jan Czerwinski Univ. of Applied Sciences Biel-Bienne.

Sullivan, J. M., & Neff, M. (2016). Engineering Economics: A Life Cycle Cost Approach (5th ed.). McGraw-Hill Education.

Suryanto, A. (2025). Analisa suhu dan performa mesin traktor Kubota L5018 dalam penggunaan bahan bakar dan beban kerja yang berbeda (Tesis, Fakultas Teknik, Universitas Islam Sumatera Utara).

Susanto, Andre (2024) Analisis Tekanan dan Temperatur Udara pada Turbocharge saat Proses Pembakaran Mesin Diesel Penggerak Utama Aksaka X Tipe 6UEC33LSII pada Kapal MT. Sabrina. Undergraduate thesis, Politeknik Pelayaran Surabaya.

Tambarta, E., Sinta, I., Nasution, W. I., Safitri, S., & Arnas, E. (2025). Study of the potential of plantation commodities as biodiesel raw materials for renewable energy development. Jurnal Agriuma, 7(1). https://doi.org/10.31289/agri.v7i1.13230

Ubaydillah & Sundari. (2025). Analisis Pengaruh Air-Fuel Ratio Terhadap Efisiensi Ter-mal Pada Regeneration Gas Heater Berbahan Bakar Metana. Jurnal Ilmiah Teknik Mesin, Elektro Dan Komputer, 5(1), 01–10. https://doi.org/10.51903/juritek.v5i1.3847

Widiasih, W. (2025). Integrasi matematika dan fisika dalam desain inovatif mini turbojet untuk sistem propulsi ringan berbasis teknologi nasional. Seminar Nasional Sains dan Teknologi "SainTek" Seri III, 2(1).

Wirawan, J. L. B., Kusuma, I. G. B. W., & Adyana, I. W. B. (2022). Analisis energi–eksergi penambahan SRO pada sistem exhaust mesin diesel dual fuel. METTEK, 8(2), 111–130. Retrieved from https://ojs.unud.ac.id/index.php/mettek

Zeka Angger Hartono, Beny Cahyono. (2019). Effect of using B30 palm oil biodiesel to deposit forming and wear metal of diesel engine components. (Received: 01 August 2019 / Revised: 24 November 2019 / Accepted: 28 November 2019).

Zhang, Y., Wang, Z., & Chen, X. (2022). Emissions and performance analysis of natural gas/diesel dual-fuel engines under various operating strategies. Fuel, 315, 123228. https://doi.org/10.1016/j.fuel.2021.123228

Zhou, F., Wang, Y., & Gong, R. (2025). Research on the design of an on-line lubrication system for wire ropes. Sensors, 25(9), 2695. https://doi.org/10.3390/s25092695