

DAFTAR PUSTAKA

- Pengembangan, P. J., Perencanaan, K., Nasional, P., Badan Pembangunan, P., & Bappenas, N. (. (2025). *PETA JALAN PENGEMBANGAN TENAGA KERJA HIJAU INDONESIA*.
- U.S. Geological Survey (2024) *Nickel: Mineral Commodity Summaries 2024*. Reston, VA: U.S. Department of the Interior.
- Ichsan, A. S., Iswanto, N., Dewayanto, N., Margono, M., & Amrullah, O. R. (2025). Life Cycle Assessment of Heavy Equipment Repair and Hazardous Waste Storage: Environmental Optimization at a Coal Mining Contractor. *Agroindustrial Technology Journal*, 9(2), 69–90. <https://doi.org/10.21111/atj.v9i2.15141>
- Batra, C., & Ingersoll, E. (2024). *The Energy Transition and Industrial Decarbonization*. International Atomic Energy Agency Bulletin.
- Volvo CE. (2025). *Volvo Construction Equipment reveals electric hauler among its zero-emission-only lineup at Bauma 2025* [Press release]. Volvo Construction Equipment.
- Khan, A. U., & Huang, L. (2023). Toward Zero Emission Construction: A Comparative Life Cycle Impact Assessment of Diesel, Hybrid, and Electric Excavators. *Energies*, 16(16). <https://doi.org/10.3390/en16166025>
- Wahyono, Y., Sasongko, N. A., Trench, A., Anda, M., Hadiyanto, H., Aisyah, N., Anisah, A., Ariyanto, N., Kumalasari, I., Putri, V. Z. E., Lestari, M. C., Panggabean, L. P., Ridlo, R., Sundari, S., Suryaningtyas, A. D., Novianti, E. D., Hakim, M. R. F., Prihatin, A. L., & Matin, H. H. A. (2024). Evaluating the impacts of environmental and human health of the critical minerals mining and processing industries in Indonesia using life cycle assessment. *Case Studies in Chemical and Environmental Engineering*, 10. <https://doi.org/10.1016/j.cscee.2024.100944>

- Wicaksono, P.Z. (2025) *Optimalisasi physical availability dan reliability dump truck dengan integrated maintenance strategy (IMS)*. Tugas Akhir. Sekolah Vokasi, Universitas Gadjah Mada.
- Burhannudin, M., & Anshori, M. (n.d.). *IMPLEMENTASI RELIABILITY CENTERED MAINTENANCE PADA EXCAVATOR PC-800*. 5(2), 143–150.
- Abidin, M.R., Dahda, S.S. and Andesta, D. (tahun terbit) *Perencanaan penjadwalan perawatan mesin wheel loader dengan pendekatan reliability centered maintenance di PT Swadaya Graha*. JUSTI (Jurnal Sistem dan Teknik Industri), volume(nomor), halaman. E-ISSN 2746-0835.
- Sulistyo, A. B., & Mutiawati, S. H. (2021). Usulan Jadwal Preventive Maintenance Komponen Ban pada Truk Tronton 20.000 KL Menggunakan Metode Age Replacement. *Jurnal INTECH Teknik Industri Universitas Serang Raya*, 7(2), 137–146. <https://doi.org/10.30656/intech.v7i2.3891>
- Bukaryo, A. R. (2021). *Penerapan Metode Age Replacement dalam Menentukan Interval Waktu Preventive Maintenance Komponen Kritis pada Alat Berat Excavator Komatsu PC160-8 LC*. Tugas Akhir, Program Studi D4 Teknik Pengelolaan dan Perawatan Alat Berat, Sekolah Vokasi, Universitas Gadjah Mada, Yogyakarta.
- Pratama, F. E. (2024). *Strategi peningkatan efektivitas perencanaan penggantian air spring Transjakarta K320IA-6X2/S2 melalui metode age replacement* (Tugas Akhir). Program Studi Teknik Pengelolaan dan Pemeliharaan Alat Berat, Departemen Teknik Mesin, Sekolah Vokasi, Universitas Gadjah Mada, Yogyakarta.
- Diharjo, D. F. M. W., & Manik, Y. B. S. (2024). Life Cycle Assessment a Coal Mining in East Kalimantan. *JST (Jurnal Sains Dan Teknologi)*, 12(3). <https://doi.org/10.23887/jstundiksha.v12i3.68103>

- Maharani, R.A.S. and Muin, Z. (2023) ‘Teknologi hijau pengelolaan bijih nikel laterit (Nickel Laterite Spent Ore Treatment “Green Technology”)’, *Jurnal Teknik Industri Terintegrasi (JUTIN)*, 6(3), pp. 661–678. <https://doi.org/10.31004/jutin.v6i3.16461>
- Patadungan, E., Azikin, B., & Pachri, H. (2024). Characteristics of laterite nickel based on geochemical data and electrical resistivity tomography (ERT) of ultramafic rocks in the Sorowako area, East Luwu Regency. *Journal of Geology and Exploration*, 3(2), 65–76.
- PT Hexindo Adiperkasa Tbk (2016) *Heavy Equipment Maintenance Management: Basic Concept Maintenance Implementation*. Jakarta: PT Hexindo Adiperkasa Tbk.
- Moubray, J. (1997) *Reliability-Centered Maintenance*. 2nd edn. New York: Industrial Press.
- Ebeling, C.E. (2010) *An Introduction to Reliability and Maintainability Engineering*. Long Grove, IL: Waveland Press.
- Smith, A. M., & Hinchcliffe, G. R. (2004). *RCM—Gateway to World Class Maintenance*. Elsevier.
- Kumar, D., & Singh, J. (2020). Maintenance performance analysis using reliability parameters. *International Journal of System Assurance Engineering and Management*.
- Mawengkang, H., & Hadi, S. (2015). Optimization of inspection interval in maintenance system. *Journal of Industrial Engineering and Management*.
- Reza, M., et al. (2017). Preventive maintenance scheduling based on availability optimization. *Journal of Quality in Maintenance Engineering*.
- Elsayed, E. A. (2012). *Reliability Engineering*. John Wiley & Sons.
- Jardine, A.K.S. (1993) *Maintenance, Replacement, and Reliability: Theory and Applications*. Boca Raton, FL: CRC Press.

- Firdausy, A. (2022) ‘Analisis life cycle assessment pada kegiatan penambangan batubara’, *Jurnal Teknik Lingkungan*, 28(2), pp. 115–124.
- Saputra, R., Triwibowo, H., & Fadhillah, R. (2024). Evaluasi emisi gas rumah kaca pada sektor layanan pertambangan batubara di Indonesia. *Jurnal Pengelolaan Lingkungan Berkelanjutan*, 10(1), 45–56.
- Balboa-Espinoza, V., Segura-Salazar, J., Hunt, C., Aitken, D. and Campos, L. (2023) ‘Comparative life cycle assessment of battery-electric and diesel underground mining trucks’, *Journal of Cleaner Production*, 425, article 139056. <https://doi.org/10.1016/j.jclepro.2023.139056>
- Abidin, R.R., Susanto, V., Sulaeman and Hatta Wicaksono, H.M. (2022) ‘Characteristics of nickel laterite deposits and rare earth elements in Gebe Island, Central Halmahera, North Maluku’, *Buletin Sumber Daya Geologi*, 17(2). <https://doi.org/10.47599/bsdg.v17i2.345>
- SAE International (2011) *Reliability-Centered Maintenance (RCM) Handbook*. Warrendale, PA: SAE International.
- European Commission Joint Research Centre (JRC). (2010). *ILCD Handbook: General Guide for Life Cycle Assessment – Detailed guidance*. Luxembourg: Publications Office of the European Union. <https://doi.org/10.2788/38479>