

DAFTAR PUSTAKA

- Amaral, S. S., de Carvalho Jr, J. A., Costa, M. A. M., & Pinheiro, C. (2016). Particulate matter emission factors for biomass combustion. *Atmosphere*, 7(11), 141.
- Antonsson, E., Cordes, J., Stoffels, B., & Wildanger, D. (2021). The European Standard Reference Method systematically underestimates particulate matter in stack emissions. *Atmospheric Environment: X*, 12, 100133.
- Basu, P. (2018). *Biomass gasification, pyrolysis and torrefaction: practical design and theory*. Academic press.
- Cengel, Y. A., & Boles, M. A., 2015. Thermodynamics An Engineering Approach 8th. In McGraw-Hill Education (Eighth, Vol. 8, Issue 1).
- Chen, J., Li, C., & dkk. (2017). A Review of Biomass Burning: Emissions and Impacts on Air Quality, Health, and Climate in China. *Science of the Total Environment*, 1000-1034. doi:<http://dx.doi.org/10.1016/j.scitotenv.2016.11.025>
- Cheng, F., & Brewer, C. E. (2021). Conversion of protein-rich lignocellulosic wastes to bio-energy: Review and recommendations for hydrolysis+ fermentation and anaerobic digestion. *Renewable and Sustainable Energy Reviews*, 146, 111167.
- Gonzalez, C. D., Arrieta, A., & Suarez, J. (2009). Comparison of Combustion Properties of Simulated Biogas and Methane. *Ciencia Tecnologia & Futuro*, 3(5).
- Intergovernmental Panel on Climate Change (IPCC). (2023). *Sixth assessment report of the intergovernmental panel on climate change: Climate change 2023 synthesis report*.
- Junejo, A., Al-Abdeli, Y.M. & Porteiro, J. (2023). Role of Air Staging in a Batch-Type Fixed Bed Biomass Combustor under Constant Primary Air., *Journal of Thermal Science* Vol.33, No.1., DOI: <https://doi.org/10.1007/s11630-023-1869-9>
- Kaivosoja, T., Virén, A., Tissari, J., Ruuskanen, J., Tarhanen, J., Sippula, O. & Jokiniemi, J. (2012) 'Effects of a catalytic converter on PCDD/F, chlorophenol and PAH emissions in residential wood combustion', *Atmospheric Environment*, 50, pp. 1-10. DOI: [i:10.1016/j.chemosphere.2012.02.027](https://doi.org/10.1016/j.chemosphere.2012.02.027)
- Kementerian Energi dan Sumber Daya Mineral (KESDM). (2022). *Statistics Oil and Gas 2022*.
- Kementerian Energi dan Sumber Daya Mineral (KESDM). (2023). *Potensi Biomassa Menjanjikan, Indonesia Prediksi Hasilkan Listrik Setara 56,97 GW* [Siaran pers]. Diakses pada 8 Desember 2024 dari Kementerian ESDM RI -

Media Center - Arsip Berita - Potensi Biomassa Menjanjikan, Indonesia
Prediksi Hasilkan Listrik Setara 56,97 GW

Kementerian Lingkungan Hidup dan Kehutanan (KLHK). (2019). Peraturan Menteri Lingkungan Hidup dan Kehutanan No. 15 Tahun 2019 tentang Baku Mutu Emisi Pembangkit Listrik.

Kementerian Pertanian (Kementan). (2023). Outlook Komoditas Perkebunan Tebu. *Pusat Data dan Sistem Informasi Pertanian*.

Megawati, M., & Aji, K. W. (2015). Pengaruh penambahan EM4 (Effective Microorganism-4) pada pembuatan biogas dari eceng gondok dan rumen sapi. *Jurnal Bahan Alam Terbarukan*, 3(2), 42-49.

Mozasurya, E. D. (2021). Studi Eksperimental Pengaruh Titik Awal Pembakaran Biomassa Terhadap Emisi Pembakaran Pada Open Burning. Yogyakarta: Universitas Gadjah Mada.

Nugraha, M. G. (2022). Sustainable Energy Conversion from Biomass Waste Combustion. Gothenburg: Chalmers University of Technology.

Nugraha, M. G., Sharfan, A., Prakoso, V. S. Y., Hidayat, M., & Saptoadi, H. (2024). Particulate matter emission in agricultural biomass residue combustion. *Global Journal of Environmental Science and Management*, 10(3), 1047-1066.

Porawati, H., Kurniawan, A., & Yuliwati, E. (2020). Effect of Temperature on Gasification of Biomass Using Zeolit. ICIASGA (p. 1845). Jambi: IOP Publishing.

Purwanti, A., Pambudi, P. E., & Handajadi, W. (2015). AMPAS TEBU SEBAGAI BAHAN BAKAR ALTERNATIF PADA PUSAT LISTRIK TENAGA UAP (PLTU)“BAGASSE AS AN ALTERNATIVE FUEL IN STEAM POWER PLANTS”. *Jurnal Elektrikal*, 2(1), 1-13.

Rahim, F., & Camin, Y. R. (2018). Kondisi kualitas udara (So₂, No₂, Pm₁₀ Dan Pm_{2,5}) di dalam Rumah di sekitar Cilegon dan gangguan pernapasan yang diakibatkannya. *Al-Kauniyah: Jurnal Biologi*, 11(2), 82-90.

Rahma, N. D., Rizka, Y., Nufus, W., Saraswati, N. A., & Chairani, S. (2021). Dampak Pertambangan Batu Bara Pada Kesehatan Lingkungan: A Systematic Review. *Health Safety Environment Journal*, 2(2).

Rahmawati, A. (2021). Pengaruh jumlah penduduk, jumlah kendaraan bermotor, PDRB per kapita dan kebijakan fiskal terhadap konsumsi energi minyak di Indonesia. *Jurnal Pembangunan dan Pemerataan*, 10(1).

Ramli, S., (2010). *Manajemen kebakaran*. Jakarta, Indonesia: Dian Rakyat.

Ryšavý, J., Horák, J., Hopan, F., Kuboňová, L., Krpec, K. & Kubesa, P. (2019) 'Comparison of catalysts in the point of view of pellet stove flue gas

- purification', J. Ryšavý, et al., *Int. J. of Energy Prod. & Mgmt.*, Vol. 4, No. 2., DOI: 10.2495/EQ-V4-N2-124-133
- Savitri, E. S., Rahmah, A., & Daryono, R. N. H. (2022). Pengembangan teknologi smart energy melalui pemanfaatan limbah pertanian sebagai bioethanol/renewable energy.
- Sensirion. (2020). SPS 30 Particulate Matter Sensor For HVAC and air quality applications SPS 30 Particulate Matter Sensor.
- Setiawan, A., & Riskina, S. (2022). *Teknologi Konversi Biomassa Secara Termokimia: Pirolisis*. Syiah Kuala University Press.
- Setyawan, H. Y., Dewi, J. R., Ulandari, D., Pratiwi, D. A., & Pratama, A. P. A. (2023). *Energi Biomassa*. Universitas Brawijaya Press.
- Shodiq, N., & Nur Aklis, S. T. (2018). *Studi Eksperimen Co-Gasification Batubara-Tempurung Kelapa dengan Variasi Equivalence Ratio (ER) Pada Reaktor Bubbling Fluidized Bed Gasifier* (Doctoral dissertation, Universitas Muhammadiyah Surakarta).
- Siburian, S. (2020). *Pencemaran Udara dan Emisi Gas Rumah Kaca*. Kreasi Cendekia Pustaka.
- Syafitri, R., & Putri, E. (2022). Masalah Global: Global Warming Dan Hubungannya Dengan Penggunaan Bahan Bakar Fosil. *Jurnal Bakti Sosial*, 1(1), 14-22.
- TSI. (2004). An Overview of Measurements, Methods and Calculations Used in Combustion Analysis. *Combustion Analysis*.
- Wijayanti, M. D. (2023). *Energi Biomassa*. Bumi Aksara.
- World Health Organization (WHO). (2021). *WHO global air quality guidelines. Particulate matter (PM_{2,5} and PM₁₀), ozone, nitrogen dioxide, sulfur dioxide and carbon monoxide*.
- Zhang, L., Xu, C., & Champagne, P. (2010). Overview of Recent Advances in Thermo-chemical Conversion of Biomass. *Energy Conversion and Management*, 969-982.
doi:<http://dx.doi.org/10.1016/j.enconman.2009.11.038>