

DAFTAR PUSTAKA

- Agustina, P., Perotonika, E., Rahinaya, W., Bow, Y., & Aswan, A. (2023). Gasifikasi Crossdraft Cangkang Kelapa Sawit Ditinjau Dari Variasi Massa Filter Terhadap Produk Syngas Yang Dihasilkan. *Jurnal Pendidikan Dan Teknologi Indonesia*, 3(2), 65–72. <https://doi.org/10.52436/1.jpti.274>
- Ambarwari, A., Dewi Kania Widyawati, & Anung Wahyudi. (2021). Sistem Pemantau Kondisi Lingkungan Pertanian Tanaman Pangan dengan NodeMCU ESP8266 dan Raspberry Pi Berbasis IoT. *Jurnal RESTI (Rekayasa Sistem Dan Teknologi Informasi)*, 5(3), 496–503. <https://doi.org/10.29207/resti.v5i3.3037>
- Arya Darma, I. W., Winaya, I. N. S., & Wirawan, I. K. G. (2018). Studi Pengaruh Temperatur Reaktor Gasifikasi Terhadap Fuel Conversion Rate Gasifikasi Dual Reactor Fluidized Bed. *Jurnal METTEK*, 4(2), 37. <https://doi.org/10.24843/mettek.2018.v04.i02.p01>
- Branch, R. M. (2010). Instructional design: The ADDIE approach. In *Instructional Design: The ADDIE Approach*. Springer US. <https://doi.org/10.1007/978-0-387-09506-6>
- Bruneo, D., Distefano, S., Giacobbe, M., Longo Minnolo, A., Longo, F., Merlino, G., Mulfari, D., Panarello, A., Patanè, G., Puliafito, A., Puliafito, C., & Tapas, N. (2019). An IoT service ecosystem for Smart Cities: The #SmartME project. *Internet of Things (Netherlands)*, 5, 12–33. <https://doi.org/10.1016/j.iot.2018.11.004>
- Fang, Y., Paul, M. C., Varjani, S., Li, X., Park, Y.-K., & You, S. (2021). Concentrated solar thermochemical gasification of biomass: Principles, applications, and development. *Renewable and Sustainable Energy Reviews*, 150, 111484. <https://doi.org/https://doi.org/10.1016/j.rser.2021.111484>
- Fekade, B., Maksymyuk, T., Kyryk, M., & Jo, M. (2018). Probabilistic recovery of incomplete sensed data in IoT. *IEEE Internet of Things Journal*, 5(4), 2282–2292. <https://doi.org/10.1109/JIOT.2017.2730360>
- Firouzi, F., Chakrabarty, K., & Nassif, S. (2020). *Intelligent Internet of Things: From Device to Fog and Cloud*. <https://doi.org/10.1007/978-3-030-30367-9>

- Hantoko, D., Yan, M., Prabowo, B., Susanto, H., Li, X., & Chen, C. (2019). Chapter 13 - Aspen Plus Modeling Approach in Solid Waste Gasification. In S. Kumar, R. Kumar, & A. Pandey (Eds.), *Current Developments in Biotechnology and Bioengineering* (pp. 259–281). Elsevier. <https://doi.org/https://doi.org/10.1016/B978-0-444-64083-3.00013-0>
- Hasdinar Umar, & Deni Mulyawan. (2021). RANCANG BANGUN ALAT GASIFIKASI BIOMASSA. *JURNAL INOVASI SAINS DAN TEKNOLOGI KELAUTAN*. <https://journal.unhas.ac.id/index.php/zonalaut/article/view/14888/7523>
- Hu, Z., Bodyanskiy, Y. V., Tyshchenko, O. K., & Boiko, O. O. (2018). A neuro-fuzzy Kohonen network for data stream possibilistic clustering and its online self-learning procedure. *Applied Soft Computing Journal*, 68, 710–718. <https://doi.org/10.1016/j.asoc.2017.09.042>
- Izonin, I., Kryvinska, N., Tkachenko, R., & Zub, K. (2019). An approach towards missing data recovery within IoT smart system. *Procedia Computer Science*, 155, 11–18. <https://doi.org/10.1016/j.procs.2019.08.006>
- Li, C., Xie, S., You, F., Zhu, X., Li, J., Xu, X., Yu, G., Wang, Y., & Angelidaki, I. (2021). Heavy metal stabilization and improved biochar generation via pyrolysis of hydrothermally treated sewage sludge with antibiotic mycelial residue. *Waste Management*, 119, 152–161. <https://doi.org/https://doi.org/10.1016/j.wasman.2020.09.050>
- Li, J., Li, L., Tong, Y. W., & Wang, X. (2023). Understanding and optimizing the gasification of biomass waste with machine learning. *Green Chemical Engineering*, 4(1), 123–133. <https://doi.org/https://doi.org/10.1016/j.gce.2022.05.006>
- Li, J., Pan, L., Suvarna, M., & Wang, X. (2021). Machine learning aided supercritical water gasification for H₂-rich syngas production with process optimization and catalyst screening. *Chemical Engineering Journal*, 426, 131285. <https://doi.org/https://doi.org/10.1016/j.cej.2021.131285>
- Linggarjati, J. (2022). Design and Prototyping of Temperature Monitoring System for Hydraulic Cylinder in Heavy Equipment using ESP32 with data logging and WiFi Connectivity. *IOP Conference Series: Earth and Environmental Science*, 998(1). <https://doi.org/10.1088/1755-1315/998/1/012042>

- Lytvyn, V., Vysotska, V., Ua, V. A. V., Veres, O., Rishnyak, I., & Rishnyak, H. (2017). *The Risk Management Modelling in Multi Project Environment*.
- Mabrouki, J., Azrou, M., Dhiba, D., Farhaoui, Y., & Hajjaji, S. El. (2021). IoT-based data logger for weather monitoring using arduino-based wireless sensor networks with remote graphical application and alerts. *Big Data Mining and Analytics*, 4(1), 25–32. <https://doi.org/10.26599/BDMA.2020.9020018>
- Mastykash, O., Peleshchyshyn, A., Fedushko, S., Trach, O., & Syerov, Y. (2018). *Internet Social Environmental Platforms Data Representation*.
- Mishra, A., Gautam, S., & Sharma, T. (2018). Effect of operating parameters on coal gasification. In *International Journal of Coal Science and Technology* (Vol. 5, Issue 2, pp. 113–125). Springer International Publishing. <https://doi.org/10.1007/s40789-018-0196-3>
- Myzhar Ramly, & Sutjahho Dwi Heru. (2021). [123dok.com] uji kualitas syngas gasifikasi cangkang sawit terhadap afr dan kadar air pada gasifier tpe updraft. *Energi*, 0–6.
- Pathak, A., Uddin, M. A., Jainal Abedin, M., Andersson, K., Mustafa, R., & Hossain, M. S. (2019). IoT based smart system to support agricultural parameters: A case study. *Procedia Computer Science*, 155, 648–653. <https://doi.org/10.1016/j.procs.2019.08.092>
- Petrakis, E. G. M., Sotiriadis, S., Soultanopoulos, T., Renta, P. T., Buyya, R., & Bessis, N. (2018). Internet of Things as a Service (iTaaS): Challenges and solutions for management of sensor data on the cloud and the fog. *Internet of Things (Netherlands)*, 3–4, 156–174. <https://doi.org/10.1016/j.iot.2018.09.009>
- Ren, J., Cao, J.-P., Zhao, X.-Y., Yang, F.-L., & Wei, X.-Y. (2019). Recent advances in syngas production from biomass catalytic gasification: A critical review on reactors, catalysts, catalytic mechanisms and mathematical models. *Renewable and Sustainable Energy Reviews*, 116, 109426. <https://doi.org/https://doi.org/10.1016/j.rser.2019.109426>
- Samsugi, S., Mardiyansyah, Z., & Nurkholis, A. (2020). SISTEM PENGONTROL IRIGASI OTOMATIS MENGGUNAKAN MIKROKONTROLER ARDUINO UNO. In *JTST* (Vol. 01, Issue 01).

- Sansaniwal, S. K., Pal, K., Rosen, M. A., & Tyagi, S. K. (2017). Recent advances in the development of biomass gasification technology: A comprehensive review. *Renewable and Sustainable Energy Reviews*, 72, 363–384. <https://doi.org/https://doi.org/10.1016/j.rser.2017.01.038>
- Septiana, R., Roihan, I., & Koestoer, R. A. (2021). Denoising MAX6675 reading using Kalman filter and factorial design. *International Journal of Electrical and Computer Engineering*, 11(5), 3818–3827. <https://doi.org/10.11591/ijece.v11i5.pp3818-3827>
- Sher, F., Pans, M. A., Sun, C., Snape, C., & Liu, H. (2018). Oxy-fuel combustion study of biomass fuels in a 20 kWth fluidized bed combustor. *Fuel*, 215, 778–786. <https://doi.org/10.1016/j.fuel.2017.11.039>
- Subahi, A. F., & Bouazza, K. E. (2020). An Intelligent IoT-Based System Design for Controlling and Monitoring Greenhouse Temperature. *IEEE Access*, 8, 125488–125500. <https://doi.org/10.1109/ACCESS.2020.3007955>
- Tamburri, D. A., Miglierina, M., & Nitto, E. Di. (2020). Cloud applications monitoring: An industrial study. *Information and Software Technology*, 127. <https://doi.org/10.1016/j.infsof.2020.106376>
- Valderrama Rios, M. L., González, A. M., Lora, E. E. S., & Almazán del Olmo, O. A. (2018). Reduction of tar generated during biomass gasification: A review. *Biomass and Bioenergy*, 108, 345–370. <https://doi.org/https://doi.org/10.1016/j.biombioe.2017.12.002>
- Vynokurova, O., Peleshko, D., Institute of Electrical and Electronics Engineers, U. S., Natšional'nyĭ universytet "L'vivs'ka politekhnika," Kharkiv National University of Radio Electronics, Institute of Electrical and Electronics Engineers, & IT Step University. (n.d.). *Proceedings of the 2018 IEEE Second International Conference on Data Stream Mining & Processing (DSMP): Lviv, Ukraine, August 21-25, 2018*.
- Khafa, F., Zaragoza, D., & Caballé, S. (2019). Supporting online/offline collaborative work with WebRTC application migration. *Advances in Intelligent Systems and Computing*, 773, 96–104. https://doi.org/10.1007/978-3-319-93554-6_8
- Zaman, C. Z., Pal, K., Yehye, W. A., Suresh Sagadevan, Shah, S. T., Adebisi, G. A., Emy Marliana, Rafique, R. F., & Johan, R. Bin. (2017). Pyrolysis: A Sustainable Way to Generate Energy from Waste. In M. Samer (Ed.),

Pyrolysis (p. Ch. 1). IntechOpen.
<https://doi.org/10.5772/intechopen.69036>

Zhang, Y., Ji, Y., & Qian, H. (2021). Progress in thermodynamic simulation and system optimization of pyrolysis and gasification of biomass. In *Green Chemical Engineering* (Vol. 2, Issue 3, pp. 266–283). KeAi Communications Co. <https://doi.org/10.1016/j.gce.2021.06.003>