













- accident of RDE,” *J. Phys. Conf. Ser.*, vol. 1772, no. 1, 2021, doi: 10.1088/1742-6596/1772/1/012037.
- [4] M. Pancoko, A. Nugroho, D. Priambodo, and T. Setiadipura, “Design Study of a Straight Tube Bundle Steam Generator for Reaktor Daya Eksperimental,” vol. 9, no. 5, pp. 531–540, 2018.
- [5] T. Setiadipura, S. Bakhri, and G. R. Sunaryo, “Study on characteristic of temperature coefficient of reactivity for Plutonium core of Pebbled Bed Reactor,” *J. Phys. Conf. Ser.*, vol. 962, no. 1, pp. 2–11, 2018, doi: 10.1088/1742-6596/962/1/012058.
- [6] S. Sriyono *et al.*, “Temperature profile analysis on cryogenic activated carbon column of helium purification testing facility,” *AIP Conf. Proc.*, vol. 2180, no. December 2019, doi: 10.1063/1.5135555.
- [7] I. D. Irianto, S. Dibyo, S. Sriyono, D. H. Salimy, R. Kusumastuti, and M. Pancoko, “Performance analysis of cogeneration energy conversion system design for RDE,” *IOP Conf. Ser. Mater. Sci. Eng.*, vol. 830, no. 3, 2020, doi: 10.1088/1757-899X/830/3/032092.
- [8] P. Ferrão, J. Fournier, and O. Le, “Fueling Scheme for the Indonesian Experimental on District Heating and Cooling Power Reactor (10 MWth Pebble-Bed HTGR),” *Energy Procedia*, vol. 131, pp. 69–76, 2017, doi: 10.1016/j.egypro.2017.09.477.
- [9] I. D. Irianto *et al.*, “Effect of Superheated Steam Pressure on the Performance of RDE Energy Conversion System,” *J. Phys. Conf. Ser.*, vol. 1198, no. 2, 2019, doi: 10.1088/1742-6596/1198/2/022045.
- [10] D. H. Salimy *et al.*, “The assessment of nuclear hydrogen cogeneration system application for steel industry,” *AIP Conf. Proc.*, vol. 2180, no. December 2019, doi: 10.1063/1.5135547.
- [11] N. Nurhadi, M. A. Andriansyah Efendi, and S. Rianda, “The utilization of fixed bed coal gasification by-products to produce combustible gas by auto-thermal process,” *Int. J. Adv. Sci. Eng. Inf. Technol.*, vol. 7, no. 5, pp. 1964–1969, 2017, doi: 10.18517/ijaseit.7.5.2104.
- [12] S. Djati H Salimy, “The assessment of nuclear hydrogen cogeneration system application for steel industry,” *J. Phys. Conf. Ser.*, no. December 2019, doi: 10.1063/1.5135547.
- [13] D. Y. Miftahul Huda, “The Influence of Coal Feed Rate on the Effectivity of Coal Drying Process,” *J. Teknol. Miner. dan Batubara*, vol. 11, no. Im, pp. 18–28, 2015.
- [14] B. D. Afrah, B. Sajjakulnukit, and M. D. Bustan, “Product competitiveness of Upgrading Brown Coal (UBC) process in Indonesia,” *Int. J. Adv. Sci. Eng. Inf. Technol.*, vol. 7, no. 4, pp. 1289–1295, 2017, doi: 10.18517/ijaseit.7.4.2488.
- [15] M. Faizal, “Utilization biomass and coal mixture to produce alternative solid fuel for reducing emission of greenhouse gas,” *Int. J. Adv. Sci. Eng. Inf. Technol.*, vol. 7, no. 3, pp. 950–956, 2017, doi: 10.18517/ijaseit.7.3.2474.
- [16] J. Fan, G. Wang, and J. Zhang, “Study on spontaneous combustion tendency of coals with different metamorphic grade at low moisture content based on TPO-DSC,” *Energies*, vol. 12, no. 20, 2019, doi: 10.3390/en12203890.
- [17] I. Bizzy, R. Sipahutar, E. Ibrahim, and M. Faizal, “Determining of drying characteristics for South Sumatera low-rank coal using solar and laboratory scaled oven,” *Int. J. Adv. Sci. Eng. Inf. Technol.*, vol. 7, no. 6, pp. 1998–2003, 2017, doi: 10.18517/ijaseit.7.6.2006.
- [18] D. H. Salimy and H. Sriyono Sriyono, Abdul, “The assessment of nuclear hydrogen cogeneration system (NHCS) for CO2 conversion to urea fertilizer,” *Malaysian J. Fundam. Appl. Sci.*, vol. 16, no. 2, pp. 135–138, 2020.
- [19] G. Chen *et al.*, “Distribution of trace elements during coal gasification : The effect of upgrading method,” *J. Clean. Prod.*, vol. 190, no. 5, pp. 193–199, 2018, doi: 10.1016/j.jclepro.2018.04.077.
- [20] M. Pancoko, A. Nugroho, D. Priambodo, and T. Setiadipura, “Design study of a straight tube bundle steam generator for Reaktor Daya Eksperimental,” *Int. J. Mech. Eng.*, vol. 9, no. 5, pp. 531–540, 2018.
- [21] L. Luo, F. Li, and H. Wang, “The Influence of Coal Calorific Value on Power Plant Boiler Operation,” *Environ. Sci. Eng.*, vol. 5, no. Ese, pp. 26–30, 2017.
- [22] D. Pudasainee and R. Gupta, “Review on chemical upgrading of coal: Production processes, potential applications and recent developments,” *Fuel Process. Technol.*, vol. 158, pp. 35–56, 2017, doi: 10.1016/j.fuproc.2016.12.010.
- [23] D. Syafrini, M. F. Nurdin, Y. S. Sugandi, and A. Miko, “Rejuvenation of the Former Coal Mining Industry Area into a Heritage Site: A Solution to Overcome the Threat of Environmental and Social Problems,” *Int. J. Adv. Sci. Eng. Inf. Technol.*, vol. 10, no. 5, pp. 2111–2117, 2020, doi: 10.18517/ijaseit.10.5.10921.