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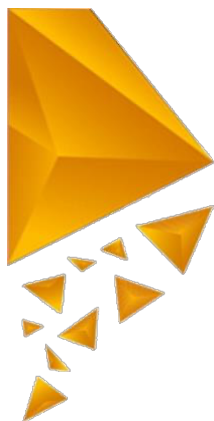
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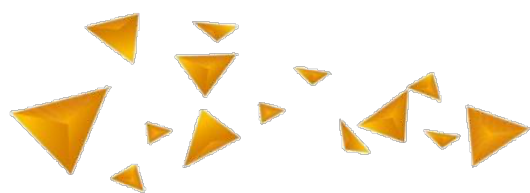
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EDITORIAL



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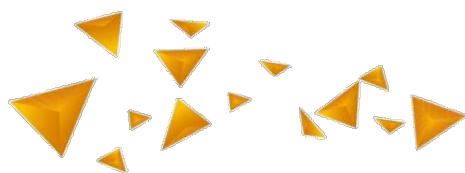
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Jurnal Asimetrik: Jurnal Ilmiah Rekayasa dan Inovasi is published regularly every **two times a year**, in **January** and **July**. This journal publishes research-based scientific articles, case studies, review articles, engineering and innovations that cover both theoretical and practical as well as their development. The topics of scientific articles published cover the fields of Architecture, Civil Engineering, Industrial Engineering, Informatics Engineering, Mechanical Engineering and Electrical Engineering.

SUMMARY. In an optimization study of an electrostatic precipitator (ESP) for diesel engine emissions by **Kurniawan *et al.***, the operating duration was the most significant factor affecting PM_{2.5} collection efficiency, while higher voltage and closer electrode spacing improved particulate capture. **Wardhana *et al.*** demonstrated that the combination of one-step magnet-edge slotting and stator dummy slots can significantly reduce the cogging torque and unbalanced magnetic pull of low-speed permanent magnet wind generators. **Ohee *et al.*** evaluated the performance of 20 kV Edelweiss feeder and reported good voltage regulation with low voltage drop and upstream buses as main contributors to the technical power losses. **Yusuf *et al.*** studied the effect of low partial vacuum on the performance of solar still and they found that moderate vacuum improved the condensation efficiency, but maximum evaporation is still dependent on the thermal energy retention. The flow distribution in a collector manifold with 7 inlets was investigated by **Justin *et al.*** using Computational Fluid Dynamics (CFD) and the importance of viscosity, turbulence and compressibility on the pressure and velocity distribution was demonstrated. **Syaripuddin *et al.*** investigated the effect of NaCl quenching media on AISI 4140 steel and observed that hardness increased with salt concentration because of finer martensitic structures, but corrosion resistance was slightly decreased. **Fahrudin *et al.*** used machine learning to predict delayed graduation and discovered that psychosomatic fatigue, commuting distance, and AI assistant dependence are significant predictors. The Random Forest model demonstrated the highest predictive accuracy. **Hapidzah *et al.*** studied the effect of moisture content on refuse-derived fuel gasification and reported that the moisture content of the feedstock should be kept at around 20% to significantly improve the cold gas efficiency and syngas quality. **Wahyuni *et al.*** used CFD to study passive flow control devices in backward-facing step flow. They found that the cube shape bluff body gives the best enhancement in heat transfer performance

despite increasing the pressure loss. **Nasrullah *et al.*** evaluated the hydraulic performance of an industrial cooling water system and concluded that the accurate pressure loss analysis and proper pump selection are instrumental to improve the hydraulic efficiency, system reliability and operation performance.



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