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**Abstract:** The proceedings contain 31 papers. The topics discussed include: estimating the amount of electronic waste generated in Indonesia: population balance model; consumer behavior and awareness analysis of electronic waste in Indonesia: a case study in Java island; estimation lifespan of home electronic appliances in Indonesia: the case study of Java island; logistics network design for electronic waste with community issue added; algorithm for solving economical and environmental dispatch problems of thermal power plants; algorithm for optimizing construction and assembling of power equipment with low environmental impact; the fuzzy analytic hierarchy process for prioritizing the sustainable tourism attitude scale; and contribution of ignition timing variation to the greenhouse gas emission and coolant performance in spark ignition engine.

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