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GENERATION OF BIODIESEL USING PERFORMANCE ANALYSIS FROM WATERMELON SEED AND JULIFLORA SEED

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Abstract

Due to urbanization and rising human population, solid waste has been gradually increasing over the past few years. Solids include waste from industry, agriculture, forestry, and biotechnology. 10% of the energy produced worldwide comes from bio-energy, which is energy derived from biomass, which includes plants, animals, and organic waste. In some seeds, such as water melon and juliflora seeds in order to create biodiesel and evaluate its effectiveness, seed oils were produced and combined. The study also compares the physical and chemical characteristics of the created biodiesel to those of traditional diesel, including pH value, viscosity, density, flash point, fire point, and acid values. The research showed that the characteristics of biodiesel are remarkably similar to those of normal diesel.

Keywords---Energy, Diesel, Bio-Energy, Juliflora Seeds.



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