

**UJI DENSITAS DAN VISKOSITAS CAMPURAN BIODESEL
DAN BAHAN BAKAR SAMPAH PLASTIK**

POLYPROPYLENE

*(TEST DENSITY AND VISCOSITY OF MIXED BIODESEL AND PLASTIC
WASTE POLYPROPYLENE)*

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ABSTRACT

At this time the amount of plastic waste in Indonesia is very large and the number of fossils on earth has begun to thin out, this makes it strong in the background of this research. This study aims to minimize the amount of plastic waste in Indonesia by distillation to produce environmentally friendly fuels, but the majority of Indonesian people still doubt this plastic waste fuel, therefore this research is intended to convince the public to use this plastic waste fuel with mixing waste plastic fuel and biodiesel, with the hope that the content of cetane numbers can be higher than Pertamina standards. The method used in this study is an experimental method with viscosity and density dependent variables as well as independent variables along with the results of research with the highest value on voscosity, namely pure biodiesel fuel with a temperature of 90°C at 3.1928 and the lowest viscosity test at 1.4399 on fuel plastic Polypropylene (BBPP) + 25% Biodiesel 110°C. And the highest density test results on Pure Polypropylene (BBPP) Fuel 110°C at 0.9360 and while the test results the lowest density value of 0.8379 on Pure Biodiesel fuels 110 °C

Keywords: Plastic Waste, Polypropylene, Viscosity, Density, Biodiesel