

***Viscosity Test Analysis and Octane Value Of Bioethanol Fuel Made From
Cassava with Peralite***

by

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ABSTRACT

This research was conducted to know the viscosity and octane value of bioethanol fuel made from cassava with peralite. The research method used is experimental method using tables and graphs to processing data. Bioethanol will be mixed peralite with mixed variety 10 ml, 30 ml, 50 ml, 70 ml, 90 ml, and 100 ml bioethanol in a sample with a percentage of 100 ml. Viscosity test result it was found that the mixture with the lowest value at a temperature of 78⁰C was PBi 100 of 0,8734156 cSt, while at a temperature of 85⁰C the lowest value obtained in the mixture of PBi 90 of 1,0312837 cSt. And for octane value test used 50 ml bioethanol mixture sample and used 100 ml bioethanol or pure bioethanol. The result obtained the test are 0. Because the tool used cannot read the material being tested.

Keywords : Viscosity, Octane Value, Bioethanol