

# **Effect of Mixed Ethanol and Gasoline on 4 Step Torque and Motorcycle Power**

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## ***ABSTRACT***

*A motorcycle is means of transportation that much used the general public, the development of automotive especially bikers semakain day goes by developing will but progress did not happen on the use of fuel. To overcome reduced availability air pollution petroleum and one who had been the solution with the use of fuel a mix of huge amounts of ethanol and fossil fuels the experimental work on this time a mixture of huge amounts of ethanol and pertamax with objective of knowing the consequences is a cocktail of fuel oils huge amounts of ethanol and pertamax cup against torque power with the variation of a motorcycle 4 step. Variations of a cocktail of fuel oils used in assaying have perbandingan among others pertamax without the blending of huge amounts of ethanol, huge amounts of ethanol 10 % pertamax 90 %, huge amounts of ethanol 20 % pertamax 80 %, huge amounts of ethanol 30 % pertamax 70 % -On the use of huge amounts of ethanol pertamax without mixture obtained the value of torque 25,70 n.m 22,41 h.p, power then a mixture of huge amounts of ethanol fuel use 10 % pertamax 90 % produce.*

***Keywords:*** *pertamax 92, ethanol 97% purity, fuel motor, torque and power.*