Analysis Of The Effect Of Hollow Plate Elektrodes On HHO Generator On Discharge, Generator Efficiency And Exhaust Gas In Motorized Vihicle

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ABSTRACT

This study was conducted to know how the influence of utilizing perforated plate electrode and non-perforated plate electrode at gas HHO debit, generator efficiency, and the influence exhaust gas at vehicle. This study uses experimental method to test efficiency by calculating how much volume was produced in 60 second and how much energy needed to produced that volume. Exhaust gas testing using a Gas Analyzer with variations of rpm at 1500, 2500, 3500, 4500, and 5500, so that known exhaust gas level contained, at debit testing and efficiency for perforated plate was produced debit of 1,23 ml/s and an efficiency 36,40 %, while at non-perforated plate was produced debit of 1 ml/s and an efficiency 33,81 %, for exhaust gas tested at non-perforated plate in lowest level of CO is 0,18% and for HHC content of 178 ppm, while at perforated plate level of CO and HHC content was decreased in lowest level to 0,07% at 2500 rpm for CO level and 98 ppm at 2500 rpm for HHC content, it is because perforated plate electrode was produced more supply of gas HHO, so the combustion can perfected.

Kata kunci : *HHO genertor, efficiency, Electrode , Hydrogen, Emission*