

**Modifikasi Karburator dan Uji Kinerja Pada Genset SF 7800 DXE Berbahan Bakar Bensin Menjadi Genset Berbahan Bakar Gas LPG *Liquid Petroleum Gas (Carburetor Modification And Performance Test On Genset SF 7800 DXE Gasoline Become Engine Genset Gas Fuel LPG Liquid Petroleum Gas)*.**

**Wawan Kurniawan Manoy**

*Renewable Energy Engineering Program  
Engineering Department*

**ABSTRACT**

*In a necessity fuel oil (BBM) increased result to using of alternative fuels, one of which is a gas fuel such as LPG (Liquid Petroleum Gas). In this research performance generator engine four steps using premium fuel and LPG gas fuel. The method used in this research is a simple modification to the carburetor and make fuel mixing ratio and do the right fuel until produce maximum explosion. This research was conducted on voltage, current, engine rpm, fuel consumption parameters and power generator to produce the following value as: 800 Watt load; premium of 1.49 Kg / 90 minute, LPG 0.40 Kg / 90 minutes, 1600 Watt load; a premium of 1.70 Kg / 90 minutes; LPG 0.55 Kg / 90 min and a load 2400 Watt, premium 2kg / 90 minutes, LPG 0.75 Kg / 90 minutes. From the value above it can be concluded that the greater power supplied to the engine, the smaller circle engine (rpm) and more total fuel consumption is spent.*

*Keyword: (Engine Generator Set) GENSET, modification, fuel, gasoline, liquid petroleum gas (LPG).*