

SMALL GENERATOR FUELLED BY LPG

OBJECTIVE

To develop a converter kit that can use different types of fuel such as petrol, LPG for small generator "Pasar malam" in order to get better cost and environment.

NOVELTY OF THE PRODUCT

The novelty of this converter kit is that it can run by using 2 different types of fuel, such as petrol, and LPG. This kit is designed in way that can easily change the fuel without using any special tools, just switch to the desire fuel. Since the commercial LPG is widely used in the country, therefore LPG also can be used for running a generator.

ALTERNATIVE VEHICLE FUELS

Engine using petrol makes up the majority of engine including generator that operates in the metropolitan area and contributes the majority of oxides of nitrogen (NOX) and hydrocarbons. Emissions from petrol engine will improve over the next eight years. Therefore, the alternative vehicle fuels are needed to overcome the reduction of emissions. The alternatives to petrol and diesel include LPG which is at present the most common alternative fuel which is widely available from market across the country. The other alternatives fuel are such as compressed natural gas (CNG) and biofuels that are produced from renewable organic sources.



COST EFFECTIVENESS

To develop small generator fuelled by LPG, we just need a converter kit that easily installed in the existing generators. The cost is around RM 300 and for long term usage this price is acceptable price and also friendly environment.

Researchers Info

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