

ABSTRACT

The design of permanent magnet motors (MMP) is designed to utilize the energy possessed by a permanent magnet into kinetic energy which is then converted into electrical energy by using a generator.

By designing a simple neodymium permanent magnet motor as an electric power generation device, it is expected to be one of the alternative technologies and solutions to the electrical energy crisis in people's lives.

The design of the permanent magnet motor (MMP) consists of a rotor and stator with neodymium as a permanent magnet on the rotor and stator, and a dc generator. Permanent magnets are tasked with moving the rotor with the principle of generating repulsive and attractive pull styles.

From the results of experiments using a permanent magnet power plant is not yet able to run automatically because it still needs help from outside style. From the results of this magnetic motor measurement is able to produce 336rpm maximal rotation and can produce a voltage of 1.92 volts dc. This project still needs further research to get better results.

Keywords: *Permanent magnet generator, Magnet v-gate.*

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