DECLARATION OF ORIGINAL WORK

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ABSTRACT

The Motor-Generator Self-looped with usable energy left Over is designed to see the function or effect motor-generator will be produce power to generate voltage. For this project, we expect this project succeeded in penetrating the market in the use of this technology. In addition, we expect this project is recognized as environmentally friendly and user friendly. Furthermore, the goal of this project is to reduce the use of electricity and reduce cost.

The calculated parameters have been optimized usıng PROTEUS 8.1 software. The software can be using the simulation and PC13 or schematic to run the result. The design prototype has been fabricated and the output was measured using Multimeter to analysis the final result. For the overall result we observed the energy will recycle power into mechanical to electrical and turn electrical to mechanical on the power of rotation motor to make the voltage.

For this project, steps should be taken to start the function or operation of the project is starting from a 12 volt rechargeable batteries. Rechargeable batteries 12 volt will produce energy to motor and then motor will rotate. After that, the generator will produce electricity. When electrical energy produced from it generator, then will recycle to rechargeable batteries 12 volt. Rechargeable batteries 12 volt used as the main source and then distributed electrical energy to the power bank circuit. Lastly, the electrical energy will be deposited into the battery no 2(rechargeable batteries 6 volt) and energy out into the USB port.

It is observed that the gain is improved when the motor-generator will functionally faster and smoothly to produce enough power.

CHAPTER 1

INTRODUCTION

1.1 BACKGROUND OF STUDY

For the final year project, we do Motor-Generator Self-Looped with Usable Energy Left Over. My team choose this project because universal and green energy. This project does effect in environment. We generate electricity by using motor and generator. The motor will be start by small amount of power. Next motor will be started the rotational will be transfer fulcrum will rotate the generator. The generator will produce high power, the power will be divide by two. First the power will flow to power bank .When fully charge the LED will turn all on and when not fully charge the LED remain depend on the percentage of battery capacity and will be the source of the USB socket. The other partition will flow to voltage regulator. After the power goes through the voltage regulator it will then return back to recharge the batteries. The power will continues nonstop. To off it, a circuit switch will be installed at the circuit.

From electric generator, the amount of voltage will produces 12-15 volt .12-15 Volt will charge the first batteries. .The first battery will support the second by using simple power bank circuit .When SW1close it mean that power battery from BT1 will regulated into 6 volt using IC LM 317 as the output of this Power Bank to charge gadget. Battery level indicator circuit (LED bar graph) is indicator when power bank is fully charge gadget.