



DYNAMO CHARGER FOR SMARTPHONE

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APRIL 2015

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ACKNOWLEDGEMENT

Alhamdulillah, praise to Allah the god Almighty for giving us a chance, patience and strength to be able to go through and face every problem throughout this project until it done successfully. We would give a honor to our beloved supervisor, Nik Nur Shaadah bt Nik Dzulkefli for sacrificing her time to help our project until finish. She always has time for us, give her attention and support about our project. In addition, we would like to thanks to our supervisor for FYP 1, Miss Nurbaiti who lead us and give her an idea to start this project.

Nevertheless, I would also like to acknowledge with much appreciation and adherent to the crucial role of the technician staffs who gave the guideline to use Proteus Software and necessary material to complete the project " Dynamo Charger for Smartphone" . A very thankful to our dearest friends for help us to achieve our goal and give suggestion about our project. Last but not least, thanks to our parents, who give us so much support and guidance to this team. We have to appreciate the guidance given by other lecturers as well as panel especially for give better idea and advice in our presentation that improved our skills and achievemts. May Allah bless their life.

ABSTRACT

The main purpose of this project is to create a renewable energy and apply it to charger devices. The renewable energy that been used in this project which is kinetic energy. When the bicycle in motion state, it will create a kinetic energy. During the process of kinetic energy, it takes the dynamo to spin and produce electricity. As the bicycle stop, it also stops the flow of current. The dynamo energy is attached at the tyre. The USB is the main output for charger smartphone. The charger is ON when the bicycle is moving. As the dynamo is attached at the bicycle, it can still supply the electricity even in a small amount of voltage. This project is quietly the same as the previous senior's project. The main source is two dynamos. Both only can supply about 8V to 9V range from 12V. Both dynamo in turn each other to produce electricity from kinetic energy. The project aimed 5V fixed because this amount is suitable and not complex for a single smart phone.