

FACULTY OF ELECTRICAL ENGINEERING  
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FINAL REPORT OF DIPLOMA PROJECT

HEAT: AN ELECTRIFYING ENERGY

MARCH 2015

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“I declare that this report entitled Heat: An Electrifying is the result of my own group research except as cited in the references. The report has not been accepted for any degree and is not concurrently submitted in candidature of any other degree.”

Signature

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## ACKNOWLEDGEMENT

Bismillahirrahmanirrahim,

In the name of Allah Most Gracious and Most Merciful, although we have learned from almost everyone we have interacted with over the timespan of this project, there are a few people that we want to thank especially for their contributions to this particular project.

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Primarily, all praises to Allah S.W.T the All Mighty, who made all this possible.

## ABSTRACT

“Heat: An Electrifying Energy (Using Thermoelectric Generator)” is a project that can help ease people especially for those who enjoys outdoor activities by giving them a power supply out of heat (DC voltage). When this device is heated, it will generate a solid DC voltage. The voltage will then go through a booster (MAX 756) which will allow the voltage to be amplify to a slightly higher voltage that can be used for charging gadgets or even powering a basic LED light and 5V USB fan that can be connected with the USB port installed at the end of the device.

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