

**RADIO FREQUENCY ENERGY HARVESTING FOR CHARGING  
ELECTRICAL EQUIPMENT**

By

MOHAMED ABD ELAZIZ SAAD ELBAGOURI

FINAL PROJECT REPORT

Submitted to the Electrical & Electronics Engineering Programme  
in Partial Fulfillment of the Requirements  
for the Degree  
Bachelor of Engineering (Hons)  
(Electrical & Electronics Engineering)

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by

Mohamed Abd ElAziz Saad ElBagouri, 2009

# **CERTIFICATION OF APPROVAL**

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Approved:

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Dr. Rosdiazli Ibrahim  
Project Supervisor

**UNIVERSITI TEKNOLOGI PETRONAS  
TRONOH, PERAK**

December 2009

## **CERTIFICATION OF ORIGINALITY**

This is to certify that I am responsible for the work submitted in this project, that the original work is my own except as specified in the references and acknowledgements, and that the original work contained herein have not been undertaken or done by unspecified sources or persons.

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Mohamed Abd ElAziz Saad ElBagouri