

**PROTOTYPE OF GENERATOR OF WIND ENERGY ON THE
CAR ROOF TOP TO GENERATE POWER (mw)**

This thesis is presented in partial fulfillment for the award of the
Bachelor of Engineering (Hons.) Electrical

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ACKNOWLEDGEMENT

Alhamdulillah, first and foremost, I am grateful to Allah the Almighty, generous and merciful because His grace, my Final Year Project on “Prototype of Generator Of Wind Energy On The Car Roof Top to Generate Power (mw)” can be completed. This final year project report was prepared by Faculty of Electrical Engineering (Power), University Technology Mara Shah Alam (UiTM) for students in final year to complete the undergraduate program. I wish to thank my committee members who were more than generous with their expertise and precious time.

Due to this opportunity, I would like to express my gratitude to beloved project supervisor, Mrs. Wan Noraishah Binti Wan Abdul Munim who is the lecturer at Faculty of Electrical Engineering, University Technology Mara Shah Alam (UiTM) for her continuous guidance kindness help, and advices during two semester session 2013. She also has guided, nurtured and given me full support throughout this period of project without any give up. Deepest thanks and appreciation goes to my lovely family and parents for their high encouragement support and love that they give through this project. With all my financial and always give a motivation and spirit.

Not forgotten, I am also would like to extend my gratitude to my colleagues and anybody else involved for helping me and sharing any information in order to complete this project. Finally, I would like to acknowledge and thank for all other unnamed who helped us in various ways, knowledge sharing and encouragement during the final year project progress until it fully completed.

Thank you.

ABSTRACT

This paper presents an efficient electrical generator that uses renewable energy as resources in purpose to charge a DC battery. This technique use wind energy that produce from car movement on the car roof's top. Wind energy that produces on the car's roof top has high potential compared to the other side of a car. The speed rotation of blade as mechanical energy which determined the amount of AC supply flow in generator will convert to DC supply by using rectifier to charge the DC battery. The DC battery can be used for other application such as lighting and speaker. Other factors that influences in producing the value of current are the numbers turns of winding, the strength of magnet and the speed of rotation of the wind blade. The DC battery is supply to temperature sensor where it will display on LCD. By knowing the outside temperature, this technique can contribute in reducing the usage of car air-conditioning system. It is worth noted that, when less usage of car air-conditioning, then less fuel is used.

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