

FACULTY OF ELECTRICAL ENGINEERING UNIVERSITI TEKNOLOGI MARA TERENGGANU

FINAL REPORT OF DIPLOMA PROJECT

SOLAR POWERED STREET LAMP

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"I declare that this report entitled "Solar Powered Street Lamp" 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."

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In the name of Allah, the most precious, most merciful Peace and blessing of Allah be on his last messenger, Prophet Muhammad S.A.W, who has guide us right way through the darkness of ignorance and kufr.

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ABSTRACT

Electrical bill nowadays are increase, so the solar powered street lamp is used to reduce cost of electrical bill. This project is to contribute to UiTM where it will reduce the cost of the electrical bill and can become of the symbolic to UiTM student which using their own project at their own campus. Solar powered street lamp is one of the examples of using solar where it is renewable energy so it will not harm the environment. In this project it conduct 3 phase of the circuit where it contain solar charging, LDR, and inverter circuit. This is the simple circuit where it will reduce the cost in produce circuit. Besides that, it only need low maintenance compared to the conventional street lamp.

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