FACULTY OF ELECTRICAL ENGINEERING
UNIVERSITI TEKNOLOGI MARA

FINAL REPORT OF DIPLOMA

THE RICE SCALE MACHINE

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"We declare that this report entitled *"RICE SCALE MACHINE"* is the result of our 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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ACKNOWLEDGEMENT

All praise be Allah S.W.T, most gracious, most merciful-peach and blessing of Allah S.W.T because given us strengthen and spirit to finish this proposal project. We are pray for HIS Mercy and Guidance and very grateful to HIM.

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ABSTRACT

The rice scale machine is to help people to scale the rice .With the aid of this project, the people cannot be wasted the unnecessary rice. This project is particularly for four people and has been programmed it. For this project, we decided to scale the rice not based on quantity, but more to timing (so motor is rotated depends on time) that been programmed in PIC 16F877A. So we can assume that our project is based on programming at all

To controlled the movement of slide (allow rice fall) is DC Motor 12 V. This motor is controlled by PIC 16F877A.This component act as a major or main part in the circuit. This component must be programmed and MicroC is the programming software that is being used. This project use DC Power supply which is 12V.
Since we use 12 V power supply, we put voltage regulator to regulate 12V into 5V

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