

PORTABLE WATER HEATER

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"I declare that this report entitled "*PORTABLE WATER HEATER*" 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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ACKNOWLEDGEMENT

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

In the name of ALLAH S.W.T The Most Gracious and Most Merciful – peace and blessing of ALLAH be on his last messenger, Prophet Muhammad S.A.W. who has shown us the right way through the darkness of ignorance and kufr.

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ABSTRACT

In order to heat small amounts of water quickly using electrical energy, we have designed and implemented a water heating device. Our main device is to be used as a substitute heater before this project even use some more high-tech device. The PIC in our project acted as a home for the weight data that already been set for a certain load to be measured. The Relay was connected to power bank source and its function as a switch. Then, the weight sensor (a FSR) was implemented to measure the specifically data set by PIC. When the weight match the data set, it will trigger the Relay that act as a switch. The data and with supply from power bank were used to produce heat as the output of our device.

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