

FACULTY OF ELECTRICAL ENGINEERING

UNIVERSITI TEKNOLOGI MARA

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NET PANCAKE MAKER

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ACKNOWLEDGEMENT

In the name of Allah Most Gracious and Most Merciful, special thanks to our supervisor Sir Fadhli Dzul Hilmi Bin Mohd Fauzi for his kindness, support, idea and concern to us to make this proposal become successful. At the beginning of the project, we had faced many problems, to achieve our goal. We were grateful to blessings of Allah because give us strength and show the way to solve the problem. We had decided to go through our project. Special thanks to our panels and friends because of their critique and opinions. They give us a lot of idea and motivation to improve our weakness in solving problem and come out with extraordinary result we also would like to give special thanks to our family for their concern and support in order to make our process become successful. We also want to thanks to other lecturers in the faculty that helped us with ideas and opinion for our project. We proudly hope our project would be benefit for the generation in future. Lastly, thanks again to all that involved with us in order to make our dream come true.

ABSTRACT

Net Pancake Maker is high voltage device. The main function of this device is to make the net pancake automatically. To be specific, when the device started with ON the power supply and the temperature sensor start operating. The temperature sensor will detect the temperature of pan. The automatic valve were set to 2 minutes before the valve open to release the net pancake batter. Shape the pancake with our own creativity manually. The valve will close after it reach the end of the time.

CHAPTER 1

INTRODUCTION

1.1 Background

Final year project was holding theme 'Demand Driven Innovation' means to help people encountered their problem by designing machine that is useful. So we decided to design ind produce machine called Net Pancake Maker. Net Pancake Maker is a device which is naking the net pancake. Based on our theme project is Demand Driven Innovation Project, we lo the research about net pancake or Malaysian's people called as 'roti jala'. Before that, we nave 3 ideas that we got which are hover board, rubbish vacuum and 'penyiram pokok automatic. But, all of the ideas were rejected by our supervisor because it just a simple and was exist in nowadays technology. So, our supervisor was gives us an idea which is how to make net pancake more easier.

toti Jala or Net Pancake is a popular Malaysian tea time snack served with curry dishes. The oti jala, translated to literally mean "net bread", is a pretty dish that looks like a lace doily due to he way it is made. This is a very traditional Malaysian dish that is usually homemade and served it events such as weddings and festivals. The roti jala is also a particularly favourite dish during he Muslim fasting month of Ramadan. It is one dish that is found at nearly every Ramadan vazaar during the fasting month and is often sold with either chicken or mutton curry. It is usually eaten in sets of three to four pieces with curries, especially chicken curry, as a substitute o rice.

Jur group make some research about net pancake and find the problem for making net pancake. Jsually, people use manual method that only use their hands to hold the plastic mould that has ioles. They put the net pancake's batter into the plastic mould and shape it on the hot pan. Wait or 30 seconds and the batter will dry then shape again to become net pancake. It was hard to nake net pancake by manual method. We found the solution and we will create our machine to nake the process of making net pancake become more easier.

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