

UNIVERSITI TEKNOLOGI MARA

**DEVELOPMENT OF A PROTOTYPE
ROUNDLET DOUGH SHAPER FORM
MACHINE**

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ABSTRACT

Food is one of the biggest industries in our country including the dough maker. As we know, for the machine at the factory is very big size and expensive. So, it will be burden for the person who work as small entrepreneur. The other problem for the dough maker industry is hard to make a circular form for the dough before it can be a cake. So, my solution to solve these two problems are making a machine that can be afforded to buy and can make the circular shape dough efficiently. If these problems can be solved, it can increase the productivity for the small entrepreneur. My objective for this machine can produce the circular shape dough uniformly within the short time. This machine can also facilitate the small or medium entrepreneur to expand their business in food industry. This machine is to help small entrepreneur for their business.

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CHAPTER ONE

INTRODUCTION

1.1 Background of Study

Dough is the main ingredients for our food industry. Dough also involved in processed food. For example, with dough it can make cakes, cookies, and spaghetti. So, it can be seen clearly that dough is the main ingredients to make food for our industry. The food processing sector contributed around RM 21.76 billion and already exported to over 200 countries. Dough also is important for our small entrepreneur in Malaysia. From that, dough is not just for the big industry, but it also important for the person who just started a business.

In the food industry, they will produce a lot of dough to make their product. So, it will cause a space to keep. Therefore, the producer needs to be more efficient on how to reduce the space to keep. Eventually, the productivity will be increase. For example, the dough needs to be on circular shape. Because of that, many doughs can be kept efficiently. With the big amount, the producer also should have a method that can make the dough in circular shape within the short time. Roundlet dough shaper machine is one of the machines that can fulfill the criteria. It is because with machine the dough will be in the circular shape uniformly within the short time. So, it will, make more easier for big factory or small entrepreneur.

1.2 Problem Statement

In any industry, there are many problems that will be face during produce some products that they planned already. For example, dough maker industry. Usually for a big factory they will produce in the large amount. So, they must make that dough in circular form to reduce space. But, to make it in circular form usually people will made it by their hand. So, many workers will be need and more salary need to be pay. By using manually, the other problems are the time taken will be increase. So, the productivity of the company will be decrease. It can affect the company's profit and income for our