

UNIVERSITI TEKNOLOGI MARA

FRUIT PUNCH MIXING MACHINE

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ABSTRACT

A glass of refreshing fruit punch is the best drink anyone could ask for whenever they are at an event. Normally, fruit punches will be served at events such as birthday parties, weddings, and any festive events. However, to make a big portion of fruit punch is quite a hassle especially if the organizers are in the elderly stages. Therefore, a fruit punch maker is required to ease the burden of the organizers. With the help of a fruit punch maker, the event organizers can make a big amount of fruit punch in a less amount of time and in a more relaxing way. This project requires the right dimension during designing as the size is important for this project to sale. If it is too small, it would defile the purpose of the project which is to make a large amount of fruit punch. On the contrary, if it is too big, the cost will increase, and it won't be affordable to everyone. The study of other water container is necessary to get the size and function of the machine correct. To use the fruit punch mixer, one should pour in the batch of fruit punch into the machine, then with just the push of a button, the mixer machine will start to mix the batch of fruit punch constantly without requiring any manpower. In conclusion, this fruit punch maker machine will help a lot of future event organizers on making a refreshing batch of fruit punch with ease.

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CHAPTER ONE

INTRODUCTION

1.1 Background of Study

Fruit punch is a type of drink that is enjoyed by a vast majority of the Malaysians from every generation. The exquisite and refreshing taste of the drink often make people fall in love with them with only just a few sips. Nowadays, fruit punches are normally found during events such as at weddings, birthday parties, dinners, iftar programs and many more. Organizers often make a whole bunch of them whenever they are organizing these events as they know that the fruit punch will run out the fastest among all the other drinks.

However, in order to make a large portion of the punch, it requires a big container to store the punch so that it can be served to the guests. To make the fruit punch, the ingredients need to be properly mixed to make sure the taste is even throughout the whole container. Therefore, the punch needs to be stirred properly. However, to stir the punch in a big container requires a lot of energy. Other than that, after a certain amount of time, the punch will form an amount of precipitate. This will most certainly affect the taste of the punch and will leave a not so good taste in the mouth of the guests. That is not all, the other problem is whenever the punch is nearly finished, it is pretty difficult for people to fill it in their cups. As we often notice, they had to tilt the container to a certain angle to fill their cups with the remaining punch. This can be quite the challenge especially for the children and old ones, if there is an adult present then it should not be a problem. If not, they will have no choice but to ask for help or to drink other type of water provided.

These problems can be easily solved with the project that I am making which is punch maker. The punch maker will be made by using a stainless-steel blade which will be used to solve the problems stated above. First of all, the reason the blades are made with stainless steel is because the blades are in direct contact with the drink. This is to prevent rust or any other bad substance from entering the body which will cause food poisoning. The blade will not be particularly sharp as its purpose is just to stir the punch evenly. The blade will be attached to a motor under the container and