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BLUEPRINT REPORT

“Adjustable Fruit Opener”

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1.0 EXECUTIVE SUMMARY

Nowadays, people want to complete their task more quickly and easily. Our Adjustable Fruit Opener will provide them solutions in order to satisfy their needs and to solve their problems.

The idea of this design of fruit opener is simply from already existed in the market. The function of existed product is only to open the durian. For this Adjustable Fruit Opener, it has two functions. This product has an additional special feature with a cylindrical carbon steel. The used of this component is to get coconut water out of a coconut. So, the user can use it and enjoy the coconut water as a refreshing and hydrating beverage while waiting the coconut to open. The other function of this product is to open the king of fruit known as durian. This is due to the problem that durian has a parabolic shape and its surface is thorny. It also can be used to open the coconut because the coconut has hard surface.

By using this adjustable fruit opener, the user can make their job easier and more enjoy. The best part of this product is it is suitable to anybody that has zero skill to open the fruit. The advantage of the product is to reduce the probability of the user's hand getting hurt and taking short time for the process.

Apart from that, the material of the adjustable fruit opener is made from polyethylene and carbon steel. It is very high material and incredibly strong. The flexibility of the adjustable fruit opener means it can be dropped from height or have heavy durian or coconut placed on it without breaking.

2.0 PRODUCT DESCRIPTION

Malaysia is a fruit-enthusiasts' paradise. The tropical climate creates a luxuriant plant life and produces a wide and remarkable diversity of edible and succulent fruit. One of the examples of seasonal fruits is durian. This king of fruit or called as durian has a parabolic shape and its surface is thorny. Other than that, the weather in Malaysia is hot and humid year around. Thus, it is good to have a sip on fresh coconut water in a hot day and enjoy drinking it with family or friends. By taking the advantages toward this situation, the Adjustable Fruit Opener has been invented with special features.

The Adjustable Fruit Opener is made from high material of polyethylene and the blade is from carbon steel. It is perfect for Adjustable Fruit Opener because it can be opened for fruit that come in all shapes and sizes and remains flexible. It is incredibly strong and last lasting.

The product was designed without power supply. It is just a simple technology and it does not receive power from an electrical outlet such as plugs and battery. In addition, this adjustable fruit opener is a second-class lever, where the fruit is placed between fulcrum and effort (handle). Thus, it requires a little effort to open the fruit. Then, the user can get the juice from coconut very easy. This will help from creating fatigue, overuse muscle and cause injury. Moreover, to develop an adjustable fruit opener that user friendly, the component that frequently use such as handle that come with a blade need to be handled safely. Place the handle down when not using it. Also, the user can avoid from getting injured and it does not require any special skills to use it.

By using the Adjustable Fruit Opener, the job will require less energy as it is simple, safe, convenient, and super easy. This product caters to users with various abilities including women and the elderly people as it needs less strength with high safety features.