

**UNIVERSITI TEKNOLOGI MARA**

**COCONUT SLICER MACHINE**

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## **ABSTRACT**

A coconut may be classified as a nut, a fruit, or a seed, depending on the criteria you use. They are known for adding a sweet, nutty perhaps even tropical flavors to dishes. They likely originated in India and Southeast Asia. The coconut slicer machine is used to fastening the process and to keep the safety for workers. My objective of this project is to design and analysis a Coconut Slicer Machine and to fabricate an affordable and functional Coconut Slicer Machine. The problem the most users faced is their hand will sick because of impact from holding the coconut and the safety of worker is not maintaining. Other than that, some of machine is too heavy and not easy to bring everywhere. So, in my project I will try to make an affordable and a machine is easy to maintain. The coconut slicer machine is created. The manual to operates is easy. From the machine have been created, so its can helps the vendors to cut the coconut easily.

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# TABLE OF CONTENTS

	<b>Page</b>
<b>CONFIRMATION BY SUPERVISOR</b>	<b>ii</b>
<b>AUTHOR'S DECLARATION</b>	<b>iii</b>
<b>ABSTRACT</b>	<b>iv</b>
<b>ACKNOWLEDGEMENT</b>	<b>v</b>
<b>TABLE OF CONTENTS</b>	<b>vi</b>
<b>LIST OF TABLES</b>	<b>vii</b>
<b>LIST OF FIGURES</b>	<b>ix</b>
<b>LIST OF ABBREVIATIONS</b>	<b>x</b>
<b>CHAPTER ONE : INTRODUCTION</b>	
1.1 Background of Study	1
1.2 Problem Statement	1
1.3 Objectives	2
1.4 Scope of Study	2
1.5 Significance of Study	3
<b>CHAPTER TWO : LITERATURE REVIEW</b>	
2.1 Benchmarking/Comparison with Available Products	4
2.2 Related Manufacturing Process	5
2.3 Sustainability/Ergonomic Related Items	5
2.4 Patent and Intellectual Properties	6
2.5 Summary of Literature	7
<b>CHAPTER THREE : METHODOLOGY</b>	
3.1 Overall Process Flow	8
3.2 Detail Drawing	9
3.3 Engineering Calculation and Analysis	12
3.4 Bill of Materials	15

# **CHAPTER ONE**

## **INTRODUCTION**

### **1.1 Background of Study**

From past, vendor who sell coconut water only use knives to cut coconut for getting the water. The process may take so long and make the vendors tired to provide in large quantity. In the information, the worker must stand to cut because if they sit it will easily injury the worker. That possible the worker to get back pain and from holding the coconut the worker must hold on tight the coconut and take to much pressure from holding because of impact from the knives to cut the coconut. Observations have been done and the survey result tells that people is acknowledging that the cutting process of coconut to get the water steal too much of their time. Hence, research which lead to the innovation of coconut slicer machine was created.

Compared to the conventional method, this innovation will be a big of help for coconut vendors to reduce their time and producing a better quality of coconut water for their customers. With some reference from the concept of cutting, Coconut Slicer Machine will be able to reduce almost 60% of the usual time spend on the cutting process as it can use gear to reduce the impact to the coconut. Meaning, the user can just pull the handler to cut the coconut without use full energy and pull over the end. Thus, this innovation, provided with various features, is potentially the new generation of coconut cutter that safe and easily to use and bring everywhere can be produces.

### **1.2 Problem Statement**

From the research that I do, the vendors have problem to cut the coconut for many customers in one time. So, for the new worker they need to practice more time to cut fastly and take long time for preparation before start to sell. This is proving that the solution for coconut vendors is needed to ease their problem and issues. Acquired from the research, a main problem is taking too much time for cutting the coconut and the minor is the safety for the vendors is loose because if wrong technique will injury the vendors.