

UNIVERSITI TEKNOLOGI MARA

**DESIGN, ANALYSIS AND FABRICATION OF
COCONUT WATER JUICE EXTRACTOR**

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Abstract

The purpose of this project is to develop, design and fabricate a coconut juice extractor machine to help the user extract coconut juice more efficiently. The coconut juice extractor machine give new alternatives to people who are facing problem extracting coconut juice from coconut. The design of this machine can be used various aspect which is for small business or even domestic use. Also, in this project it is important to produce a machine that are successful ,that lower can marketing costs, increase the efficiency of production, safely to be used and have an good looking project design, and also meet the customer satisfaction.

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CHAPTER ONE

INTRODUCTION

1.1 Background of Study

Coconut juice is really popular in Asia but the process of extracting coconut juice in our country is old fashion way which become time consuming process and needed human manpower. The old fashion way is by using a machete and its really dangerous for the user and tiring for them too even peel 1 coconut. This project to analysis, design and facbrication for coconut juice extractor.This project focus on designing and fabricating of coconut juice extractor and will help the user not consume their time and energy also safety.

1.2 Problem Statement

The old conventional way is to tiring for the user,because its uses a lot of energy which is by hacking the coconut using a machete.Thus,it will limit the production of a day for a user.The old conventional way also does not have a safety measure,it can be deadly to their finger because the machete is really sharp tools.The industry have come out varies of machine that can help people extract a coconut juice safely but the price for the machine is really high and its mostly targeted to a factory that wanted to boost their production.For smaller business like stall owner or even houseworker cant afford it.Hence,people still using old conventional way to help them to get a coconut juice.The coconut juice extractor will consist of an idea previous research and making them better in all other aspect which is production rate,safety and assebility

1.3 Objectives

The main objective of this project are :

- a) To design a machine that assist the user on extracting coconut juice faster and safely.