#### RESEARCH AND DEVELOPMENT FINAL PROJECT

Putri Malu (Mimosa pudica) Candy



# BY: BELLA ROSALIA 2074130010049

# STUDY OF CULINARY ARTS OTTIMMO INTERNATIONAL MASTERGOURMET ACADEMY SURABAYA 2022

#### PLAGIARSM STATEMENT

I certify that this assignment/ report is my own work, based on my personal study and/ or research and that I have acknowledged all material and sources used in its preparation, whether they be books, articles, reports, lecture notes and any other kind of document, electronic or personal communication. I also certify that this assignment/ report has not previously been submitted for assessment in any other unit, except where specific permission has been granted from all unit coordinators involved, or at any other time in this unit, and that I have not copied in part or whole or otherwise plagiarised the work of other students and/or person.

With this statement, I am ready to bear the risk/ any sanctions imposed to me in accordance with applicable regulations, if in the future there is a breach of scientific ethics, or there is a claim against the authenticity of my work.

Surabaya, 31st October 2022

Bella Rosalia

#### APPROVAL 1

#### **CULINARY INNOVATION AND** NEW PRODUCT DEVELOPMENT PROJECT

Name : Bella Rosalia

Place, Date of Birth : Surabaya, 13 Mei 2001

NIM : 2074130010049

Study Program : D3 Seni Kuliner

Tittle : Putri Malu (Mimosa Pudica) Candy

This paper is approved by:

Head of Culinary Arts Study Program,

Date: 31st October 2022

Advisor,

Date: 31st October 2022

Hilda Tjahjani Iskandar, S.E., Ak., C.A., M.M.

NIP. 19691029 2002 072

Wilbert Yanuar H., A.Md. Par.

ANTP. 19900101 1801 044

Director of

Akademi Kulinendan Patiseri OTTIMMO Internasional

d Iskandar, B.Sc. 19731025 1201 001

#### **APPROVAL 2**

#### **Putri Malu Candy**

Culinary Innovation and New Product Development report by:

#### Bella Rosalia

#### 2074130010049

This report is already presented and pass the exam on: October 27th, 2022

#### Examiners:

Examiner 1

: Hilda Tjahjani Iskandar, S.E., Ak., C.A., M.M.
: Gilbert Yanuar H., A.Md.Par. Examiner 2

Examiner 3

#### PREFACE

First of all, I would like to thank the Lord Jesus Christ for His blessings and spiritual guidance so that I can complete this culinary innovation and new product development. The main purpose of making this report is to help students in Ottimmo to be creative and innovative because we have to create new products that have never existed in Indonesia. One of the reasons why I came up with the idea of making Putri Malu Candy is because I want to make health products, especially to relieve coughs, flu, and insomnia in a form that is simple, easy to consume, and delicious to eat.

During the process of completing this report, I received a lot of guidance and support. With this, I would like to thank the names below:

- 1. My parents have supported and provided me with a good education.
- 2. Mr. Zaldy Iskandar as the President Director of Ottimmo International.
- 3. Ms. Hilda T Iskandar, S.E., Ak., C.A., M.M. as Head of Study Program at Ottimmo International.
- Mr. Gilbert Yanuar H. as a supervisor has helped me in many ways so that I
  can understand the guidelines for making this report.
- Friana Elizabeth A. and Laurenz Alan R., who have helped me to calculate the financial aspect.

Surabaya, 31st October 2022.

Bella Rosalia

#### **EXECUTIVE SUMMARY**

This Putri Malu plant, rarely anyone knows that this plant can be used as an herbal treatment, therefore author want to make this product from the extract of the plant so that many people also know about the benefits that it can provide

This Idea in making this candy product is to create a product that is new and beneficial for health. Especially can help relieve coughs, flu, or insomnia. With the addition of fruit, this product can also help add fiber to our body. With the uniqueness of using the roots and leaves of the Putri Malu plant, this is a good product and no one has made it yet.

Putri Malu Candy will be packaged using baking paper and plastic that protect the candy directly, then it will be put into a glass jar to make it more protected and safe, each jar will contain 16 pieces of candies and each jar will be sold for Rp. 61.500. Later these candies can be found in supermarkets or ordered via social media

Keywords: Candy, Putri Malu Candy, Research and Development.

## **TABLE OF CONTENTS**

PLAGIARSM STATEMENT	i
APPROVAL 1	ii
APPROVAL 2	iii
PREFACE	iv
EXECUTIVE SUMMARY	v
TABLE OF CONTENTS	vi
LIST OF TABLE	viii
LIST OF PICTURES	ix
CHAPTER 1	1
INTRODUCTION	1
1.1 BACKGROUND OF THE STUDY	
1.2 THE OBJECTIVES OF THE STUDY	
CHAPTER 2	3
PRODUCT OVERVIEW	3
2.1 DESCRIPTION OF THE INGREDIENTS TO BE USED	
2.2 THE UTENSIL USED DURING THE PROCESSING	
2.3 APPROVED AND REVISED RECIPE	6
2.4 PRODUCT PROCESSING SEQUENCE USING FLOWCHAT	8
2.5 PRODUCT PROCESSING METHOD WITH PICTURES	
CHAPTER 3	12
NUTRITION AND FOOD SAFETY	12
3.1 NUTRITIONAL FACT OF THE FINISHED PRODUCT	12
3.2 FOOD SAFETY	13
CHAPTER 4	15
FINANCIAL ASPECT	15
4.1 VARIABLE COST	15
4.2 OVERHEAD COST	16

4.3 COST	16
4.4 STARTUP COST	16
4.5 PRODUCT SELLING PRICE	17
4.6 PRODUCT COMPETITIVE ADVANTAGES	18
CHAPTER 5	19
CONCLUSIONS AND SUGGESTIONS	19
5.1 GENERAL SUMMARY OF THE END PRODUCT	19
5.2 SUGGESTIONS FOR FURTHER DEVELOPMENT	19
5.3 BENEFITS OF THE STUDY	19
BIBLIOGRAPHY	20
ADDENDIY	21

# LIST OF TABLE

Table 1	Nutritional Fact of The Finished Product	12
Table 2	Variable Cost	15
	Overhead Cost.	
Table 4	Startup Cost	16

## LIST OF PICTURES

Picture 1 The Ingredients to be used for Putri Malu Candy	
Picture 2 The Utensil Used During The Processing	5
Picture 3 Approved Recipe	6
Picture 4 Flow Chart	8
Picture 5 Wash all ingredients	9
Picture 6 Cut the fruit	9
Picture 7 Boil Ingredients and Strain	9
Picture 8 Add The Liquid and Blend with Friut	10
Picture 9 Strain Blended Fruit, Add Honey, Add Jelly Powder	
Picture 10 Pour Into The Mold	10
Picture 11 Put The Mold in The Chiller	10
Picture 12 Cut into 32 Parts, Pat Dry, Put Into Food Dryer	11
Picture 13 Roast Cornstarch, Mix With Stevia	11
Picture 14 Coat With Mixed Powder	11
Picture 15 Nutrition Fact	13