## RESEARCH AND DEVELOPMENT FINAL PROJECT DRAITKIN PATTY

(Dragon Fruit Skin Patty)



# BY KEN HARTANTO 2074130010040

STUDY PROGRAM OF CULINARY ART
OTTIMMO INTERNATIONAL
MASTERGOURMET ACADEMY
SURABAYA
2022

# CS Scanned with CamScanner

#### PLAGIARISM 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 persons.

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

Surabaya, October 21 2022

Ken Hartanto

#### APPROVAL 1

### CULINARY INNOVATION AND NEW PRODUCT DEVELOPMENT PROJECT

Name

Ken Hartanto

Place, Date of Birth

Surabaya, August 1st, 2002

NIM

2074130010040

Study Program

D3 Culinary Arts

Title

DRAITKIN PATTY

This paper is approved by:

Head of Culinary Arts Study Program,

Date: 13 November 2022

Advisor,

Date: 13 November 2022

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

NIP. 19691029 2002 072

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

NIP. 19691029 2002 072

Director of

Akademi Kuliner dan Patiseri OTTIMMO Internasional

Date: 13 November 2022

9731025 1201 001

#### APPROVAL 2

#### DRAITKIN PATTY

Culinary Innovation and New Product Development report by:

#### KEN HARTANTO

#### 2074130010040

## This report is already presented and passed the exam on : 25 October 2022

#### Examiners:

Examiner 1 : Hilda Tjahjani Iskandar, S.E., Ak., CA., MM

Examiner 2 : Dahlia Elianarni, S.TP., M.Sc.

Examiner 3 : Gilbert Yanuar Hadiwirawan, A.Md. Par.

#### **PREFACE**

To begin, I would like to express my gratitude to my Holy God, Jesus Christ, for his blessings and spiritual guidance in allowing me to complete this Research and Development report. The main goal of this report is to encourage each Ottimmo student to be creative and innovative as we create a completely new product that has never been made before. One of the reasons I came up with the idea of making a Draitkin Patty is that I want to make a healthy patty that tastes just as delicious as a regular patty but has many health benefits.

I received a lot of guidance and support while working on this report. I'd like to thank my family, lecturers, especially Ms. Hilda Tjahjani Iskandar as my R&D mentor, and my friends.

Surabaya, 21 Oktober 2022

Ken Hartanto

#### **EXECUTIVE SUMMARY**

Fletcher Davis of Athens, Greece, opened a lunch counter serving ground meat patty in the early 1880s. It is a small flat piece of meat found inside a bun. However, at the moment, we tried and improved on what Fletcher Davis made to make it more nutritious by adding vegetables. This product is similar to the original, but it contains vegetables rather than meat. It is also simple to prepare and consume.

Carrots, kincay, cucumber, and potatoes can be used to make this veggie patty. It resembles a hamburger but is made of vegetables rather than raw meat and tastes like various vegetables. One of the few classic combinations that lend itself well to new riffs and versions is the veggie patty. The health benefits include low fat and calorie content, high fiber content, disease prevention, and so on.

Flexitarians have reduced their meat consumption, indicating a growing interest in plant-based meat alternatives with 'meaty' characteristics, and the Western market is experiencing unprecedented growth in meat substitutes.

Keywords: vegetables, patty, meat

#### TABLE OF CONTENTS

PLAGIARISM STATEMENTi
APPROVAL 1ii
APPROVAL 2iii
PREFACEiv
EXECUTIVE SUMMARYv
TABLE OF CONTENTSvi
LIST OF TABLESviii
LIST OF PICTURESix
CHAPTER 1 INTRODUCTION1
1.1 Background Of The Study2
1.2 The Objectives Of The Study
CHAPTER 2 PRODUCT OVERVIEW3
2.1 Description Of The Ingredients To Be Used
2.2 The Utensil Used During The Processing5
2.3 Approved And Revised Recipe
2.4 Product Processing Sequence Using Flowchart11
2.5 Product Processing Method With Pictures

CHAPTER 3 NUTRITION AND FOOD SAFETY	17
3.1 Nutritional Fact Of The Finished Product	17
3.2 Food Safety	18
3.2.1 Processing And Storage Temperature.	18
3.2.2 Product Shelf Life	19
3.2.3 Product Packaging	19
CHAPTER 4 FINANCIAL ASPECT	20
4.1 Product Cost	20
4.2 Product Selling Price	23
4.3 BEP Revenue And Unit	23
4.4 Product Competitive Advantages	23
CHAPTER 5 CONCLUSION AND SUGGESTION	24
5.1 General Summary Of The End Product	24
5.2 Suggestions For Further Development	25
5.3 Benefits Of The Study	25
BIBLIOGRAPHY	26
APPENDIX	27
Appendix 1. Desain And Logo Of Packaging	27
Appendix 2. Supplier List	27
Appendix 3. Scanned Consultation Form	28

#### LIST OF TABLES

Table 1. Nutrition.	18
Table 2. Variable Cost	20
Table 3. Production Cost	21
Table 4. Start-Up Capital.	22

#### LIST OF PICTURES

Picture 1. Ingredients	3
Picture 2. Tools	5
Picture 3. Approved Recipe	7
Picture 4. Approved Recipe (2)	8
Picture 5. Sensory Test.	9
Picture 6. Revised Recipe.	10
Picture 7. Flowchart Recipe.	11
Picture 8. Soaking Dragon Fruit Skin.	12
Picture 9. Boiling Dragon Fruit Skin	12
Picture 10. Chopping Onion And Dragon Fruit Skin	13
Picture 11. Grate Carrot And Cheese.	13
Picture 12. Crush Chips And Beat Egg.	14
Picture 13. Before And After Mixing.	14
Picture 14. Added Carrot, Cheese, And Flour	15
Picture 15. Added Seasonings And Shape Into Patty	15
Picture 16. Cooking Top And Bottom Side	16
Picture 17. Nutrition Label.	17
Picture 18. Product Packaging.	19
Picture 19. Brand Logo.	27
Picture 20. Scanned Consultation Form.	28