RESEARCH AND DEVELOPMENT FINAL PROJECT DRIED NOODLE WITH SUBTITUTE OF CEMPEDAK SEEDS FLOUR

(Tamie)



BY DARELL RADITYA WIDHI PRAMONO 2074130010017

STUDY PROGRAM OF CULINARY ART
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 plagiarized 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, 29th November 2022

Darell Raditya Widhi Pramono

APPROVAL 1 CULINARY INNOVATION AND NEW PRODUCT DEVELOPMENT PROJECT

Name : D

: Darell Raditya Widhi Pramono

Place, Date of

Birth

: Surabaya, 9 November 2001

NIM

: 2074130010017

Study Program

: D3 Seni Kuliner

TITLE

: Dried noodle with substitute of Cempedak Seeds Flour

(Tamie)

This paper is approved by:

Head of Culinary Arts Study Program,

Advisor,

Date: 29th November 2022

Date: 29th November 2022

Hilda Tjahjani I., S.E., Ak., CA., M.M

NIP. 19691029 2002 072

Latifahtur Rahmah, S.Pd., M.Pd.

NIP. 199402252002070

Director of Ottimmo International MasterGourmet Academy

Date: 29th November 2022

aldy Iskandar, B.Sc.

NIP. 19731025 1201 001

APPROVAL 2

Dried noodle with substitute of Cempedak Seeds Flour (Tamie)

Culinary Innovation and New Product Development report by:

Darell Raditya Widhi

Pramono2074130010017

This report is already presented andpass the exam on:

17th November 2022

Examiners:

Examiner 1: Latifahtur Rahmah. S.Pd, M.Pd

.....

Examiner 2 : Fransisca Romana. S.TP., M.Sc

J85,

Examiner 3 : Michael Valent. A.Md.Par.

PREFACE

As for the beginning, I would like to praise and thank God the Almighty for the blessings of his grace and spiritual guidance for me to complete this Research and Development report. The main purpose of this report is to help each student in Ottimmo International to be creative and innovative as we have to create a new product that has never been in Indonesia or the world. One of the reasons why I come up with the idea of making Tamie or dried noodle are because I love to made noodle from scratch, and I want to innovate the new kind of noodle creation.

During the process of completing this report, I received so much guidance and support. By this I would like to express my gratitude to the name below:

- Ms. Latifahtur Rahmah as my Mentor from the beginning of this story and helped me to find the idea for the product I made.
- Ms. Hilda Tjahjani Iskandar as the Head of Study Program at Ottimmo International.
- 3. Mr. Zaldy Iskandar as the Head Director of Ottimmo International
- 4. Mr. Kenta as a Culinary Chef of Ottimmo
- My Dearest Friends Ms. Cecilia Thiara, Mr. Kenta Bertu Liono, and Mr. Kimi Michael Adolf Dapu, Mr. Rinto Marsudi who helped me for any kind of suggestion.
- 6. My lovely Parents who Always Support me in this Project
- 7. Ms Novi Indah Permata Sari as a Food Nutrition and Food Safety Lecturer

Surabaya, 29th November 2022

Stawell

Darell Raditya Widhi Pramono

EXECUTIVE SUMMARY

Cempedak was Indonesian fruit that are still family of Jack Fruit. Cempedak

have seeter taste than the Jack Fruit a smaller that it. In Indonesia Cempedak was

already Found in the last 2000 years ago In land of Sumatra, in Meni want ro tawai

Island. Now Cempedak Was easly to Found in Java Island Especiali West jawa,

Cempedak has the fruit itself and the Seeds Inside. I will be using this Seed for

Research and Development (RnD) to be a new Dish.

Tamie (Dried Noodle) was a type of noodle that being cook into crisp by

frying. But in this RnD I will be using Baking technique to Cook the Tamie. I

Choose Cempedak Seeds As my RnD because I want to Process some waste into a

good food and nutritional food. Because Cempedak Seeds scales have a number of

Nutritional contents that quite benefical called Fosfor, Carbohydrate, Calsium, etc.

So, in this Rnd I would like to make something new and have a good taste just from

a waste.

Keyword: Tamie, Noodle, Cempedak Seeds.

 \mathbf{v}

TABLE OF CONTENT

PLAGIARSM STATEMENT	i
APPROVAL 1	ii
APPROVAL 2	iii
PREFACE	iv
EXECUTIVE SUMMARY	v
TABLE OF CONTENT	vi
LIST OF PICTURES	viii
LIST OF TABLE	ix
CHAPTER 1	1
1.1 The Objective Of The Study	3
1.2 The Benefits Of The Study	3
CHAPTER 2	4
2.1 Description of Materials to be Used	4
2.2 Description of Utensils	5
2.3 Product processing sequence using flowchart	8
2.4 Product Processing Method	10
CHAPTER 3	15
3.1 Nutritional Value	15
3.2 Food Safety	17
CHAPTER 4	19
4.1 Raw Material	19
4.2 Labour Cost (fixed cost)	20
4.3 Overhead Cost	20
4.4 Start Up Cost	20

4.5 Cost of Production	21
4.6 Product Competitive Advantage	22
CHAPTER V	
5.1 Conclusion	24
5.2 Suggestion	24
5.3 Benefits of this Study	24
BIBLIOGRAPHY	25
APPENDIX	26

LIST OF PICTURES

Figure 1. Flour	4
Figure 2. Cempedak Seeds Flour	4
Figure 3. Baking Soda	4
Figure 4. Water	5
Figure 5. Salt	5
Figure 6. Bowl	5
Figure 7. Knife	6
Figure 8. Dehydrator	6
Figure 9. Noodlle Maker (Nn)	6
Figure 10. Tray	6
Figure 11. Pan	7
Figure 12. Stove	7
Figure 13. Oven	7
Figure 14. Ring Cutter	7
Figure 15. Process 1	10
Figure 16. Process 2	
Figure 17. Process 3	
Figure 18. Process 4	11
Figure 19. Process 5	11
Figure 20. Process 6	11
Figure 21. Mixing	12
Figure 22. Kneading	12
Figure 23. Resting	12
Figure 24.The Noodle	
Figure 25. Cooking the Noodle	
Figure 26. Baking Noodle	13
Figure 27. Tamie	14
Figure 28. Nutrition Label	16
Figure 29. Packaging	17
Figure 30. Logo	18
Figure 31. Recipe Title	26
Figure 32. Scanned Recipe	
Figure 33. Scanned Approval	28
Figure 34 Consultation Form	29
Figure 35. Fixed Logo.	30

LIST OF TABLE

Table 1. Flour Flowchart	8
Table 2. Tamie Flowchart	9
Table 3. Nutrition Value	15
Table 4. Raw Material Cost	19
Table 5. Labour Cost	20
Table 6. Overhead Cost	20
Table 7. Start Up Cost	20
Table 8. Cost Of Production	