CULINARY INNOVATION AND NEW PRODUCT DEVELOPMENT REPORT

REUSE OF POMELO ORANGE PEEL AS SUBSTITUTE OF KIKIL IN GULAI



ARRANGED BY GABRIELA MARGARETA 2174130010011

CULINARY ART STUDY PROGRAM OTTIMMO INTERNATIONAL MASTERGOURMET ACADEMY SURABAYA

2023

PLAGIARISM STATEMENT

I certify that this assignment is my own work, based on my personal study and research and that I have acknowledge 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.

On 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 you have a claim against the authencity of my work

Surabaya, August 28th, 2023

Gabriela Margareta

APPROVAL 1

CULINARY INNOVATION AND NEW PRODUCT DEVELOPMENT PROJECT

Name

Gabriela Margareta

Place, Date of Birth

Balikpapan, 29 April 2003

NIM

2174130010011

Study Program

D3 Seni Kuliner

TITLE

Reuse of Pomelo Orange Peel As Substitute of

Kikil in Gulai

This paper is approved by:

Head of Culinary Arts Study Program,

Advisor,

Date: August 28th 2023

Date: August 28th 2023

Heni Adhinata, S.T.P., M. Sc

NIP.19900613 1402016

Ryan Yefemia Iskandar, SS

NIP. 19821218 1601023

Director of

Akademi Kuliner dan Patiseri OTTIMMO International

Pate: August 28th 2023

iii

19731025 1201 001

APPROVAL 2

REUSE OF POMELO ORANGE PEEL AS SUBSTITUTE OF KIKIL IN GULAI

Culinary Innovation and New Product Development report by :

GABRIELA MARGARETA 2174130010011

This report is already presented and pass the exam on: $August \ \ 22^{nd} \ \ 2023$

Examiners:

Examiner 1 : Ryan Yeremia Iskandar, SS.

Examiner 2 : Novi Indah Permata Sari, S.T., M.Sc.

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

PREFACE

First, I want to express my gratitude and blessing to Jesus Christ since I was able to finish this report on time. This report completion was meant to satisfy the prerequisites for taking part in an internship.

I also take this opportunity to express my gratitude to:

- 1. Ryan Yeremia Iskandar, SS as advisor.
- 2. Zaldy Iskandar, B. Sc as director of Ottimmo International Culinary Arts and Patisserie Academy.
- 3. Heni Adhinata S.TP., M.Sc as head of culinary arts study program
- My parents who always support and help me in personal things and provide moral and also material support for me.
- 5. My friend who has supported the progress of thus report from beginning to end.

That is all of my gratitude that I can express, I apologize if there are errors or inconsistence in the use of words or sentences. Hopefully, the following report is helpful for the readers. Thank You.

Surabaya, August 28th, 2023

Gabriela Margareta

ABSTRACT

Pomelo is one of oranges group that is big and has a sweet and bitter aftertaste.

People usually eats the fruit and throw away the peel, but some people also use the peel

to make sweets from it. Pomelo's peel taste bitter if it is not handled well. This project

will give a lot of information and techniques about handling pomelo's peel.

Gulai is a group of hot and flavorful stews that are popular in Indonesia.

Typically, chicken, goat, cattle, mutton, and others are the main ingredients of this

cuisine. Due to the inclusion of ground turmeric, gulai sauces frequently have a thick

soup and yellowish color. Rich spices, such as turmeric, galangal, coriander, chili

pepper, shallots, garlic, lemongrass, and some other things that are used to make the

gulai sauce. These spices are pounded into a paste and simmered in coconut milk with

the other primary components.

The nutrition fact result of pomelo's peel gulai are high in calories and rich in

fiber. It contains high calories because it also contains coconut milk. Pomelo's peel

gulai selling price is Rp. 36,450. It is little expensive because the ingredients that been

used are expensive and premium.

Keywords: Gulai, Pomelo peel

vi

TABLE OF CONTENT

Plagiarism Statement	ii
Approval 1	iii
Approval 2	iv
Preface	v
Abstract	vi
Table of Content	vii
List of Table	ix
List of Figure	x
Chapter I Introduction	. 1
1.1 Background of The Study	. 1
1.2 The Objectives Of The Study	. 2
Chapter II Literature Review	3
2.1 Ingredients Review	
2.2 Product Review	. 4
2.3 Process Review	. 5
Chapter III Methods	7
3.1 Time and Place	. 7
3.2 Ingredients and Utensils	. 7
3.3 Processing Methods	. 8
3.4 Flow Chart	10
Chapter IV Result and Discussion	11
4.1 Product Result	11
4.2 Nutrition Fact	11 12
4.3 Food Safety and Packaging	13
4.4 Financial Aspects 4.4.1. Product Cost (Variable Cost, Overhead Cost, Fixed Cost) 4.4.2 Selling Price	16

Chapter V Conclusion and Suggestion	20
5.1 Conclusion	20
Bibliography	21
Appendix	23

LIST OF TABLE

Table 3.1 Ingredients for Pomelo's peel Gulai	7
Table 3.2 Utensils for Pomelo's peel Gulai	8
Table 4.1 Nutritional Value of Pomelo peel per 100 gr	11
Table 4.2 Nutritional value of ingredients used in The Recipe for Pomelo's pe	eel
Gulai	12
Table 4.3. Start Up Capital	16
Table 4.4 Labour Cost	17
Table 4.5 Packaging Cost	17
Table 4.6 Utility Cost	
Table 4.7 Raw Material Cost	

LIST OF FIGURE

Figure 2.1. Pomelo orange peel	3
Figure 2.2 Gulai's Paste Ingredients	
Figure 3.1 Flow Chart	
Figure 4.1 Nutrition Fact of Pomelo's peel gulai	
Figure 4.2 Polypropylene Plastic bowl 650 ml	
Figure 4.3 HDPE Plastic	
Figure 4.4 Product Logo	
1 iguit 4.4 i loudet Logo	±0