CULINARY INNOVATION AND NEW PRODUCT DEVELOPMENT REPORT

"UTILIZATION OF KEPOK BANANA FLOUR AS A SUBSTITUTE FOR ALL PURPOSE FLOUR IN SNOW WHITE COOKIES"



ARRANGED BY WILLIAM TWINARTHA HARTANTO 2274130010007

CULINARY ARTS STUDY PROGRAM
OTTIMMO INTERNATIONAL
MASTERGOURMET ACADEMY
SURABAYA
2024

PLAGIARISM STATEMENT

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

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 scientist fic ethics, or you have a claim against the authenticity of my work.

Surabaya, August 14th, 2024

METERAL TEMPEI 1108CALX140527550

William Twinartha Hartanto

APPROVAL 1

CULINARY INNOVATION AND NEW PRODUCT DEVELOPMENT PROJECT

Name : William Twinartha Hartanto

Place, Date of Birth : Surabaya, March 30th 2004

NIM : 2274130010007 Study Program : D3 Culinary Art

TITLE : UTILIZATION OF KEPOK BANANA FLOUR

AS A SUBSTITUTE FOR ALL PURPOSE FLOUR IN SNOW WHITE COOKIES

This paper has been approved by:

Head of Culinary Arts Study Program,

Advisor,

August, 2024

August, 2024

dhianata, S.TP., M.Sc

19900613 1402 016

Elma Sulistiya, S.TP., M.Sc

NIP. 19970916 2302 087

Director of

Ottimmo International Master Gourmet Academy

19731025 1201 001

APPROVAL 2

"UTILIZATION OF KEPOK BANANA FLOUR AS A SUBSTITUTE FOR ALL PURPOSE FLOUR IN SNOW WHITE COOKIES"

Culinary Innovation and New Product Development report by:

WILLIAM TWINARTHA HARTANTO

2274130010007

This report is already presented and pass the exam on:
(August, 2024)

This paper has been approved by:

Advisor : Elma Sulistiya, S.TP.,M.Sc

1st Examiner : Arya Putra Sundjaja, S.E.

2nd Examiner: Gilbert Yanuar Hadiwirawan, A.Md. Par.

PREFACE

Praise be to God Almighty because on this occasion I was able to complete

this report. Completion of this report intended to fulfill the requirements for

participating in an internship.

I also take this opportunity to express my gratitude to:

1. Zaldy Iskandar, B. Sc as director of Ottimmo International Culinary

Art and Patisserie Academy.

2. Elma Sulistiya, S.TP., M.Sc as advisor.

3. Heni Adhianata, S.TP., M.Sc as head of Culinary art study program.

4. My parents who always support and help me in personally and

providing moral & material support for me.

5. My friend who has supported the progress of thus report from

beginning to end.

That is all I can say, 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 14th, 2024

William Twinartha Hartanto

V

ABSTRACT

Cookies are a type of snack that is popular and known to many people, from children to adults. Snow white cookies are popular with many people because when bitten it tastes good, savory and cool on the tongue. Snow white cookies are made from a mixture of wheat flour, cornstarch, butter, powdered milk, powdered sugar, and egg yolks. But over the past decade, more and more people have been diagnosed with celiac disease, wheat allergies, and gluten intolerance. Therefore, this study made snow white cookies made from kepok banana flour as a substitute for wheat flour so that this cake can be intended for groups diagnosed with celiac disease, wheat allergies, and gluten intolerance. The result of the study showed that Panh Panh has good sight, even though, the texture was lacking. The nutrition value of Panh Panh stated that it has 140 kCal/serving with a serving size of 5 pcs. In addition, the selling price of Panh Panh is Rp. 72,000/jar.

Keywords: Gluten free, Kepok banana flour, Snow white cookies

TABLE OF CONTENT

Plagiarism Statement	ii
Approval 1	
Approval 2	
Preface	
Abstract	vi
Table Of Content	vii
Table Of Figures	
List Of Tables	X
Chapter I Introduction	1
1.1 Background of the Study	
1.2 Objectives of the Study	2
Chapter II Literature Review	
2.1 Ingredients Review	3
2.1.1 Kepok Banana Flour	3
2.1.2 Butter	6
2.1.3 Dextrose Monohydrate	7
2.2 Product Review	8
2.3 Process Review	9
2.3.1 Steaming	9
2.3.2 Drying	9
2.3.3 Baking	
Chapter III Methods	
3.1 Time and Place	
3.2 Ingredients and Utensils	
3.2.1 Ingredients	
3.2.2 Utensils	
3.3 Processing Methods	
3.3.1 Processing method for kepok banana flour	
3.3.2 Processing method for snow white cookies	
3.4 Flow Chart	
Chapter IV Result And Discussion	
4.1 Product Result	
4.2 Nutrition Fact	
4.2.1 Nutrition Table	
4.2.2 Nutrition Calculation	
4.2.3 Nutrition Label	
4.3 Food Safety and Packaging	
4.3.1 Processing and Storage Temperature	
4.3.2 Shelf Life	
4.3.3 Product Packaging	
4.4 Financial Aspects	
4.4.1 Product Cost	
4.4.2 Selling Price	26

Chapter V Conclusion And Suggestion	27
5.1 Conclusion	
5.2 Suggestion	
Bibliography	
Appendix	

LIST OF FIGURES

Figure 2.1 Kepok Banana Flour	4
Figure 2.2 Butter	
Figure 2.3 Dextrose Monohydrate	8
Figure 3.1 Flow Chart Snow White Cookies	
Figure 4.1 Panh Panh Snow White Cookies	
Figure 4.2 Plastic Jar	
Figure 4.3 Aluminum Seal	
Figure 4.4 Logo	

LIST OF TABLES

Table 2.1 Composition of the Nutritional Content in 100 Grams of Kepok Banana.	4
Table 2.2 Composition of the Nutritional Content in 100 Grams of Banana Flour	5
Table 3.1 Ingredients for Kepok Banana Flour	12
Table 3.2 Ingredients for Snow White Cookies	12
Table 3.3 Utensils for Kepok Banana Flour	13
Table 3.4 Utensils for Snow White Cookies	
Table 4.1 Nutrition Value of Kepok Banana Flour per 100 g	17
Table 4.2 Nutrition Value of Butter per 100 g	
Table 4.3 Nutrition Value of Dextrose Monohydrate per 100 g	
Table 4.4 Nutrition Value of Powdered Sugar per 100 g	
Table 4.5 Nutrition Value of Cornstarch per 100 g	
Table 4.6 Nutrition Value of Powdered Milk per 100 g	
Table 4.7 Nutrition Value of Egg Yolk per 100 g	
Table 4.8 Cost of Ingredients	
Table 4.9 Packaging Cost	