CULINARY INNOVATION AND NEW PRODUCT DEVELOPMENT REPORT

UTILIZATION OF BLACK RICE FLOUR AS A MAIN INGREDIENT FOR MAKING BLACK TTEOKBOKKI



ARRANGED BY MICHELLA AUGUSTINE 2274130010030

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 otherunit, 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 copiedin 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 20th 2024

Michella Augustine

APPROVAL 1

CULINARY INNOVATION AND NEW PRODUCT DEVELOPMENT PROJECT

Name : Michella Augustine

Place, Date of Birth : Probolinggo, August 23 2004

NIM : 2274130010030 Study Program : D3 Culinary Art

TITLE : UTILIZATION OF BLACK RICE FLOUR AS THE MAIN

INGREDIENT FOR MAKING BLACK TTEOKBOKKI

This paper is approved by:

Head of Culinary Arts Study Program,

THE August 6th, 2024

Henr Adbranata, S.TP., M.Sc

NIP 19900613 1402 016

Advisor,

August 6th, 2024

Ryan Yeremia Iskandar, S.S NIP. 19821218 1601 023

Director of
Ottimmo International Master Gourmet Academy
August 6th, 2024

dy Iskandar, B.Sc 19731025 1201 001

APPROVAL 2

UTILIZATION OF BLACK RICE FLOUR AS THE MAIN INGREDIENT FOR MAKING BLACK TTEOKBOKKI

Culinary Innovation and New Product Development report by:

Michella Augustine

2274130010030

This report is already presented and pass the exam on: (August 6th, 2024)

This paper has been approved by:

Advisor : Ryan Yeremia Iskandar, S.S

1. Examiner : Elma Sulistiya, S.TP., M.Sc.

2- Examiner : Filias Kusuma, S.E., M.M.

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:

- Zaldy Iskandar, B. Sc as director of Ottimmo International Culinary Artand Patisserie Academy.
- 2. Ryan Yeremia Iskandar, S.S as advisor.
- 3. Heni Adhianata, S.TP., M.Sc as head of Culinary art study program.
- My parents who always support and help me in personally and providing moral & material support for me.
- 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 inconsistency in the use of words or sentences. Hopefully, the following report is helpful for the readers. Thank you.

Surabaya, August 20th 2024

Michella Augustine

ABSTRACT

Tteokbokki, or topokki, is a popular Korean street food made from cylindrical rice cakes (tteok) cooked in a spicy, sweet, and savory sauce made primarily with gochujang (Korean red chili paste). Tteokbokki or topokki is a favorite dish enjoyed by many Koreans and people around the world for its addictive spicy-sweet taste and chewy texture. Researchers and food manufacturers are exploring innovative methods to develop healthy snacks that are not only delicious but also have high nutritional value. Black rice flour is a substitute for rice flour which has the advantages of being high in antioxidants and high in fiber which is suitable for making healthy food. The resulting tteokbokki made from black rice flour has a black color, good taste and chewy texture. The combination of black tteokbokki with gochujang sauce has a delicious combination of flavors. Black tteokbokki has a relatively cheap price because it has many benefits and the calories from black tteok are relatively low, namely 290 calories per pack.

Keywords: Black Rice Flour, Gochujang, Tteokbokki

TABLE OF CONTENT

Plagiarism Statement	
Approval 1	
Approval 2	
Preface	
Abstract	
Table Of Content	
Table Of Figure	
List Of Tables	X
Chapter I Introduction	1
1.1 Background Of The Study	1
1.2 Objective Of The Study	
Chapter II Literature Review	3
2.1 Ingredients Review	3
2.1.1 Black Rice Flour	
2.1.2 Glutinous Rice Flour	4
2.1.3 Gochujang	4
2.2 Product Review	
2.3 Process Review	5
Chapter III Methods	6
3.1 Time And Place	6
3.2 Ingredients And Utensils	6
3.2.1 Ingredients	
3.2.2 Utensils	
3.3 Processing Methods	
3.4 Flow Chart	8
Chapter IV Result And Discussion	9
4.1 Product Result	
4.2 Nutrition Fact	
4.2.1 Nutririon Table	
4.2.2 Nutrtion Calculation	
4.2.3 Nutrtion Label	
4.3 Food Safety And Packaging	
4.3.1 Processing And Storage Temperature	
4.3.2 Shelf Life	
4.4 Finansial Aspects	
4.4.1 Product Cost	
4.4.2 Selling Price	
Chapter V Conclusion And Suggestion	
t namer v t onchision ann anoveshon	

5.1 Conclusion	17
5.2 Suggestion	
Bibliography	
Appendix	

TABLE OF FIGURES

Figure 2.1 Black Rice Flour	3
Figure 3.1 Flowchart Black Tteokbokki	8
Figure 4.1 Black Tteokbokki	9
Figure 4.3 Vacuum Bag	14
Figure 4.4 Alumunium Foil Pouch	14
Figure 4.5 Logo	15

LIST OF TABLES

Table 3.1 Ingredients for Tteokbokki	<i>6</i>
Table 3.2 Utensils for Tteokbokki	7
Table 4.1 Nutritional Value of Black Rice Flour	10
Table 4.2 Nutritional Value of Glutinous Rice Flour	10
Table 4.3 Nutritional Value of Gochujang	10
Table 4.4 Nutritional Value of Ingredients Used	11
Table 4.5 Shelf life	13
Table 4.6 Cost of Ingredients	15
Table 4.7 Cost of Packaging	16
Table 4.8 Table of Total Cost	