CULINARY INNOVATION AND NEW PRODUCT DEVELOPMENT REPORT

BOILING GROUND DUCK MEAT AS THE MAIN INGREDIENT FOR MAKING MEATBALLS



ARRANGED BY HANY NAZIIHA HERMAWAN 2174130010061

CULINARY ARTS STUDY PROGRAM
OTTIMO INTERNATIONAL
MASTER GOURMET 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 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.

3E8AKX633348135

Surabaya, 28 Mei 2023

Hany Naziiha Hermawan

ii

APPROVAL 1

CULINARY INNOVATION AND NEW PRODUCT DEVELOPMENT **PROJECT**

Name

: Hany Naziiha Hermawan

Place, Date of Birth : Denpasar, 9 Agustus 2003

NIM

: 2174130010061

Study Program

: D3 Culinary Art

TITLE

: Boiling Ground Duck Meat As The Main Ingredient For Meatballs

This paper is approved by:

Head Of Culinary Arts Study Program,

(September, 19th 2023)

Advisor,

(September, 19th 2023)

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

NIP. 19900613 1402016

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

NIP. 19900613 1402016

Director of

Ottimo International Master Gourmet Academy

NIP 19731025 1201 001

APPROVAL 2

GROUND DUCK MEAT AS A MAIN INGREDIENT FOR MEAT BALLS

Culinary Innovation and New Product Development report by:

HANY NAZIIHA HERMAWAN 2174130010061

This report is already presented and pass the exam on:

(September, 19th 2023)

Examiners:

Examiner 1 : Heni Adhianata S.T.P M.Sc

Examiner 2 : Arya Putra Sundjaja, S. E.

Examiner 3 : Jessica Hartan, 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. Novi Indah Permata Sari, ST., M.Sc as advisor.
- Zaldy Iskandar, B. Sc as director of Ottimo International Culinary Art and Patisserie Academy.
- 3. Heni Adhianata S.T.P 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.

This is all I can say, I apologize if the are errors or inconsistence in the use of words or sentences. Hopefully, the following report is helpful for the readers. Thank you

Surabaya, 15 Mei 2023

Hany Nazilha Hermawan

ABSTRACT

Consumer demand for non-beef alternatives to meat has increased in recent years. In this context, ground duck meat has become a popular choice in many cuisines around the world. Common processing methods for duck meat are boiling, which can affect the starch structure. Next, the use of ground duck meat as the main ingredient in meatballs, with the aim of offering a healthier and more sustainable alternative to traditional meatballs which are generally made from beef or pork. The process of making duck meat balls involves physical and chemical changes to the meat and the fillers used. The effect of these changes depends on the type of filler and the processing method used. Selection of the right ingredients and processing methods is very important in producing quality duck meatballs. Overall, the use of ground duck meat as the main ingredient for meatballs provides a unique and flavorful variation on a classic dish while keeping sustainability and health in mind.

Keyword: Duck meat, boil, meatballs, tapioca, texture

TABLE OF CONTENTS

Plagia	ism St	atement	i
Appro	val 1		iii
Appro	val 2		iii
Prefac	.		iv
Abstra	ct		vi
Table (Of Con	tents	vii
List Of	Figure	es	ix
List Of	Tables	5	x
Chapte	er I Inti	oduction	1
1.1	Back	ground Of Study	1
1.2	The C	Objectives Of The Study	4
Chapte	er II Lit	erature Review	5
2.1	Ingre	lients Review	5
2.2	2.1 I	Puck Meat	5
2.2	2.1 T	apioca Flour	5
2.2	Produ	ct Review	6
2.3	Proce	ss Review	8
Chapte	er III M	ethods	10
3.1	Time	And Place	10
3.2	Ingre	dients And Utensils	10
3.2	2.1 I	ngredients	10
3.2	2.2 U	Jtensils	11
3.3	Proce	ssing Methods	11
3.4		Chart	
Chapte	er IV R	esult And Discussion	14
4.1 P	roduct	Result	14
4.2 N	lutrient	Facts	14
4.2	2.1 Nut	rition Table	14
4.2	2.2 Nut	rition Calculation	15
423N	utrition	Label	16

Bibliography		
5.2 Suggestion	22	
5.1 Conclusion	22	
Chapter V Conclusion And Suggestion		
4.4.2 Selling Price	21	
4.4.1 Product Cost	19	
4.4 Financial Aspects	19	
4.3.3 Product Packaging	18	
4.3.2 Shelf Life	17	
4.3.1 Processing And Storage Temperature	17	
4.3 Food Safety And Packaging	17	

LIST OF FIGURES

Figure 3. 1 Flow Chart	13
Figure 4. 1 Nutrition label of the meatball	16
Figure 4. 2 example of vacuum tight plastic seal	18
Figure 4. 3 Label	19

LIST OF TABLES

Table 3. 1 Ingredients for Ground Duck Meat	10
Table 3. 2 Utensils for Ground Duck Meat	11
Table 4. 1 Nutritional value of duck meat per 100 gr	14
Table 4. 2 Nutritional value of ingredients used in the making of meatball	15
Table 4. 3 Start-Up Capital	19
Table 4. 4 Packaging Cost	
Table 4. 5 Utility Cost	
Table 4. 6 Raw Material Cost	