CULINARY INNOVATION AND NEW PRODUCT DEVELOPMENT

HIGH FIBER VEGETARIAN RENDANG MEAT MADE FROM YOUNG JACK FRUIT, SOY BEAN & OYSTER MUSHROOM



ARRANGED BY AVRIL TIARA LINARDI 2174130010052

CULINARY ARTS STUDY PROGRAM
OTTIMMO INTERNATIONAL
MASTERGOURMET ACADEMY
SURABAYA

2023

PLAGIARISM 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 student 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, October 17th 2023

Avril Tiara Lnardi

APPROVAL 1

CULINARY INNOVATION AND NEW PRODUCT DEVELOPMENT **PROJECT**

Name

: Avril Tiara Linardi

Place, Date of Birth

: Kota Samarinda, 28 April 2003

NIM

: 2174130010052

Study Program

: Culinary Arts

TITLE

: HIGH FIBER VEGETARIAN RENDANG MEAT MADE FROM

YOUNG JACK FRUIT, SOY BEAN & OYSTER MUSHROOM

This paper is approved by:

Head Culinary Arts Study Program,,

Advisor,

Date: October 13, 2023

Date: October 13, 2023

Heni Adhianata, S.TP., M.Sc

NIP. 19900613 1402 016

Heni Adhianata, S.TP., M.Sc NIP. 19900613 1402 016

Director of

Akademi Kuliner dan Patiseri OTTIMMO Internasional

Date: October 13, 2023

NIP. 19731025 1201 001

skandar, B.Sc

APPROVAL 2

(HIGH FIBER VEGETARIAN RENDANG MEAT MADE FROM YOUNG JACK FRUIT, SOY BEAN & OYSTER MUSHROOM)

Culinary Innovation and New Product Development report by:

AVRIL TIARA LINARDI 2174130010052

This report is already presented and pass the exam on : $October \ 10^{th} \ 2023$

Examiners:

Examiner 2 : (Michael Valent, A.Md.Par.)

Examiner 3 : (Gilbert Yanuar Hadiwirawa, A.Md.Par.)

PREFACE

After struggling with a long struggle, this report could be completed with the help of Allah SWT and are very grateful. for the completion of this report. I as the author offer my deepest gratitude to Allah SWT. the Most Guide. We also want to express my gratitude to my advisor and examiners that involved in providing support for the completion of this report..

This paper has are my Culinary innovation and new product development report with the topic of "High fiber vegetarian rendang meat made from yong jack fruit, soy bean & oyster mushroom" this Culinary Innovation and New Product Development Report are made and submitted to fulfill the requirement for diploma degree of study program of Culinary Arts of Ottimmo International Master Gourmet Academy.

My hope is that for this report could provide the greatest benefit and information for anyone who reads it. Inthis regards, i hope that the readers will also forgive if there are may be some deficiencies and errors in this report. I would feel and be also feel happier if there are readers who are willing to provide suggestions and constructive criticism for me regarding this report. Hopefully, this report could also helps in advancing and developing more new Product Innovations for the next upcoming generations.

Surabaya, October 17th 2023

Avril Tiara Linardi

ABSTRACT

One of the cultural legacies of the Minangkabau tribe is the type of meal

known as rendang. It is not only a regional dish that CNN has named the greatest

in the world; it also represents the culture. Most people mistakenly believe that only

beef or buffalo meat is used to make rendang. Rendang really comes in a wide

variety that reflects the local environment and natural resources where it is prepared.

However while there are a wide varieties of proteins that could be used in the

making of this rendang dish, the demands of a healthier life style, An emerging

trend is the creation of meat analogs as meat substitutes are starting to show up. The

need for a healthy diet, worries about rising meat prices, the rise in vegetarianism's

appeal, and increased consumer interest in associated eating habits including

avoiding or consuming less red meat are all being pushed by an increase in

consumers.

Young jackfruit, Oyster mushroom and soy beans are an ingredients where it

is very easy to search. It is cheap, versatile, and always on season. Therefore with

the emerging demands for a vegetarian diet, the innovation of Vegetarian rendang

could went got international and further reaching a more wide popularity as it is

100% vegan.

Keywords: Oyster mushroom, Rendang, Vegetarian, Young jackfruit,

vi

TABLE OF CONTENT

Plagiarism Statementi
Approval 1ii
Approval 2iv
Prefacev
Abstractv
Table Of Contentvi
List Of Figuresix
List Of Tables
Chapter I Introduction 1
1.1 Background Of The Study
1.2 Objective Of The Study
Chapter II Literature Review5
2.1 Ingredients Review
2.1.1 Unripe Jackfruit (Tewel)5
2.1.2 Oyster Mushroom
2.1.3 Soy Bean6
2.1.4 Xanthan Gum
2.2 Product Review
2.2.1 Vegetarianism
2.2.2 Rendang
2.3 Process Review
2.3.1 Meat Analogue
2.3.2 Rendang Spice
2.3.3 Difference Between Vegetarian Meat & Red Meat
Chapter III Methods
3.1 Time And Place

3.2 Ingriedients & Utensils
3.3 Procesing Method
3.4 Flow Chart
Chapter IV Results And Discussion 19
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 & Storage Temperature
4.3.2 Shelf Life
4.3.3 Product Packaging
4.4 Financial Aspects
4.4.1 Product Cost (Variable Cost, Overhead Cost, Fixed Cost) 32
4.4.2 Selling Price
Chapter V Conclussion And Sugestion
5.1 Conclusion
5.2 Suggestion
Bibliography
Appendix

LIST OF FIGURES

Figure 3. 1 flowchart making unripe jackfruit meat analogue	18
Figure 4. 1 Nutrition label	26
Figure 4. 2 polyamide (PA) food grade vacuum plastic 16 x 14	
Figure 4. 3 aluminiun standing pouch with zipper	30
Figure 4. 4 sticker 14 x 16 (front)	
Figure 4. 5 Sticker 14 x 16 (Back)	
Figure 4. 6 Logo	

LIST OF TABLES

Table 3. 1 Ingredients for Analogue meat	14
Table 3. 2 Ingredients for Rendang	15
Table 3. 3 ingredients blended spices.	15
Table 3. 4 ingredients for aromatics	15
Table 3. 5 Utensils	16
Table 4. 1 Nutrtion table if Young jackfruit /100gr	20
Table 4. 2 Nutrtion table of Soybeans/100gr	21
Table 4. 3 Nutrtion table of Oyster Mushroom /100gr	23
Table 4. 4 Nutrtional value of ingredients used rendang /250gr	
Table 4. 5 Start up capital	
Table 4. 6 Labour cost	
Table 4. 7 Packaging cost	33
Table 4. 8 Utility cost	
Table 4. 9 Raw Material	
Table 4. 10 Rent cost	