



**THE IMPLEMENTATION OF CONTENT-BASED FILTERING FOR INGREDIENT-BASED  
SEARCH FEATURE IN FOOD RECIPE APPLICATION**

**UNDERGRADUATE THESIS**

**Submitted as one of the requirements to obtain  
Sarjana Komputer (S.Kom.)**

**By:**

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**FACULTY OF COMPUTING  
INFORMATION TECHNOLOGY STUDY PROGRAM**

**CIKARANG**

**MAY, 2023**

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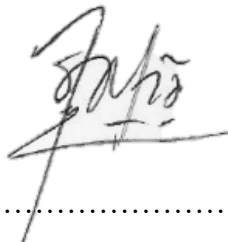
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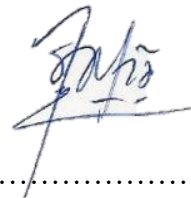
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## **ABSTRACT**

When the COVID-19 pandemic occurred, it was difficult for everyone to leave the house with the existing risks and also the restrictions or protocols set by the government. People decided to cook at home instead of going out to eat. The application created for this final project is a recipe application with a feature to search for recipes based on the ingredients that the user has using Content Based Filtering with word embedding to improve the result. The purpose of this application is not only to help and provide convenience when people want to cook at home but also with the pandemic and people cannot leave the house, with the feature of searching for recipes with ingredients available can find recipes more easily by using all the materials it has.



## **DEDICATION**

I would like to dedicate this final project to myself, my family, and my friends who has supported me materially and emotionally. I hope this research will be beneficial for educational purposes and the advancement of the academic field.

## ACKNOWLEDGMENTS

First, I would like to thank Jesus Christ for His blessing and guidance in completing the Final Project and Final Project Report as one of the requirements to complete the study program.

I also would like to express my gratitude to everyone who has supported and helped so I can complete this final project:

1. My parents, Mr. Harun and Mrs. Liny, and all of my family members. Thank you for all your support during the time of this final project process.
2. Mr. Abdul Ghofir, S.Kom, M.Kom as my final project advisor. Thank you for your advice, support, and guidance in this final project process.
3. All my Computing friends, Richard, Jonathan, Yoga, Alvin, and others I cannot name one at a time. Thank you for your time and knowledge that we share together during our time studying together.
4. My buddy from high school that still maintaining our strong relations, DKL, Daven, Aiko, Jesslyn, and Nayu. I am very grateful for your support and encouragement when I need it.

# TABLE OF CONTENTS

ABSTRACT.....	i
DEDICATION.....	ii
ACKNOWLEDGMENTS .....	iii
TABLE OF CONTENTS.....	iv
LIST OF FIGURES .....	ix
LIST OF TABLES .....	xiv
CHAPTER I.....	1
INTRODUCTION .....	1
1.1 Background .....	1
1.2 Problem Statement .....	2
1.3 Final Project Objective.....	2
1.4 Scope and Limitation .....	2
1.4.1 Scope .....	2
1.4.2 Limitation .....	3
1.5 Methodology .....	3
1.5.1 Requirements Planning.....	3
1.5.2 User Design .....	4
1.5.3 Rapid Construction.....	4
1.5.4 Cutover .....	4

1.6	Final Project Outline .....	4
1.6.1	Chapter I: Introduction .....	4
1.6.2	Chapter II: Literature Study.....	4
1.6.3	Chapter III: System Analysis.....	4
1.6.4	Chapter IV: System Design .....	4
1.6.5	Chapter V: System Implementation .....	5
1.6.6	Chapter VI: System Testing .....	5
1.6.7	Chapter VII: Conclusion and Future Work .....	5
	CHAPTER II.....	6
	LITERATURE STUDY.....	6
2.1	Machine Learning .....	6
2.1.1	Recommendation System .....	6
2.2	Natural Language Processing.....	8
2.2.1	TF-IDF.....	8
2.2.2	Word Embedding.....	9
2.3	Related Works .....	11
2.3.1	Tasty .....	11
2.3.2	Cookpad.....	11
2.4	Comparison Table .....	12
	CHAPTER III .....	13
	SYSTEM ANALYSIS .....	13

3.1	System Overview .....	13
3.2	Functional Analysis.....	13
3.3	Hardware and Software Requirements.....	14
3.4	Use-Case Diagram .....	15
3.5	Use Case Narrative.....	16
3.6	Swimlane Diagram.....	32
3.6.1	Home Diagram .....	33
3.6.2	Recipes Swimlane Diagram.....	33
3.6.3	Account Swimlane Diagram.....	34
3.6.4	Search Swimlane Diagram .....	35
3.6.5	Most Viewed Recipes Swimlane Diagram.....	36
3.6.6	Bookmarked Recipes Swimlane Diagram .....	37
3.6.7	Recommendation Based on Input Swimlane Diagram.....	38
3.6.8	Recipe Detail Swimlane Diagram .....	39
3.6.9	Bookmark Recipe Swimlane Diagram .....	40
3.6.10	Load More Recipes Swimlane Diagram.....	41
3.6.11	Generate Random Recipe Swimlane Diagram .....	42
3.6.12	Login Page Recipe Swimlane Diagram.....	43
3.6.13	Login Recipe Swimlane Diagram.....	44
3.6.14	Register Page Recipe Swimlane Diagram .....	45
3.6.15	Register Recipe Swimlane Diagram.....	46

3.6.16 Logout Recipe Swimlane Diagram.....	47
3.6.17 Search from Search History Recipe Swimlane Diagram.....	48
CHAPTER IV .....	50
SYSTEM DESIGN .....	50
4.1 User Interface Design.....	50
4.1.1 Home Page.....	50
4.1.2 Search Page.....	51
4.1.3 Recipes Page.....	53
4.1.4 Bookmark Page.....	55
4.1.5 Recipe Detail Page.....	56
4.2 Physical Design.....	57
4.2.1 Software.....	57
4.2.2 Hardware .....	57
4.3 Database Design.....	58
CHAPTER V .....	59
SYSTEM IMPLEMENTATION .....	59
5.1 User Interface Development .....	59
5.1.1 Home Page.....	59
5.1.2 Search Page.....	60
5.1.6 Welcome Page .....	66
5.1.7 Register Page .....	67

5.1.8	Login Page .....	68
5.2	Application Detail .....	69
5.2.1	Ingredient Based Search Feature .....	69
CHAPTER VI .....		76
SYSTEM TESTING .....		76
6.1	Testing Environment .....	76
6.2	Testing Scenario .....	76
6.2.1	Tab Bar Testing .....	76
6.2.2	Bookmark Testing .....	79
6.2.3	Recipe Detail Testing .....	82
6.2.4	Search Testing .....	85
6.2.5	Load More Testing .....	89
6.2.6	Random Recipe Testing .....	92
6.2.7	Account Testing .....	94
CHAPTER VII .....		98
CONCLUSION AND FUTURE WORK .....		98
7.1	Conclusion .....	98
7.2	Future Works .....	98
REFERENCES .....		99

## LIST OF FIGURES

Figure 2.1 Continuous Bag of Words[15].....	10
Figure 2.2 Tasty Application[17].....	11
Figure 2.3 Cookpad Application[18] .....	12
Figure 3.1 Use Case Diagram .....	15
Figure 3.2 Home Swimlane Diagram .....	33
Figure 3.3 Recipes Swimlane Diagram .....	34
Figure 3.4 Account Swimlane Diagram.....	35
Figure 3.5 Search Swimlane Diagram .....	36
Figure 3.6 Most Viewed Recipes Swimlane Diagram.....	37
Figure 3.7 Bookmarked Recipes Swimlane Diagram.....	38
Figure 3.8 Recommendation Based on Input Swimlane Diagram.....	39
Figure 3.9 Recipe Detail Swimlane Diagram .....	40
Figure 3.10 Bookmark Recipe Swimlane Diagram .....	41
Figure 3.11 Load More Recipes Swimlane Diagram.....	42
Figure 3.12 Generate Random Recipe Swimlane Diagram .....	43
Figure 3.13 Login Page Recipe Swimlane Diagram.....	44
Figure 3.14 Login Recipe Swimlane Diagram .....	45



Figure 3.15 Register Page Recipe Swimlane Diagram .....	46
Figure 3.16 Register Recipe Swimlane Diagram.....	47
Figure 3.17 Logout Recipe Swimlane Diagram .....	48
Figure 3.18 Search from Search History Recipe Swimlane Diagram .....	49
Figure 4.1 Home Page Interface .....	50
Figure 4.2 Search Page Before Search Interface .....	52
Figure 4.3 Search Page After Search Interface .....	52
Figure 4.4 Recipes Page Interface .....	54
Figure 4.5 Bookmark Page Interface .....	55
Figure 4.6 Recipe Detail Page Interface .....	56
Figure 5.1 Home Page Interface .....	60
Figure 5.2 Search Page Interface Before Search .....	61
Figure 5.3 Search Page Interface After Search .....	61
Figure 5.4 Search Page Interface Load More Button .....	62
Figure 5.5 Search Page Search History.....	62
Figure 5.6 Recipes Page Interface .....	63
Figure 5.7 Recipes Page Interface Load More Button.....	64
Figure 5.8 Account Page Interface.....	65

Figure 5.9 Recipe Detail Page Interface .....	66
Figure 5.10 Welcome Page Interface .....	67
Figure 5.11 Register Page Interface .....	68
Figure 5.12 Login Page Interface.....	69
Figure 5.9 recommend_recipe Function .....	70
Figure 5.10 get_recs Function.....	71
Figure 5.11 Word2Vec model train code.....	72
Figure 5.12 ingredient_parser Function .....	73
Figure 5.13 TfidfEmbeddingVectorizer class.....	74
Figure 5.14 get_recommendations Function.....	75
Figure 6.1 Home Tab Button Test Result .....	77
Figure 6.2 Search Tab Button Test Result .....	78
Figure 6.3 Recipes Tab Button Test Result .....	78
Figure 6.4 Account Tab Button Test Result .....	79
Figure 6.5 Bookmark on Big Recipe Card Test Result .....	80
Figure 6.6 Unbookmarked on Big Recipe Card Test Result .....	81
Figure 6.7 Bookmark on Recipe Detail Test Result .....	81
Figure 6.8 Unbookmarked on Recipe Detail Test Result .....	82

Figure 6.9 Big Recipe Card Before Tap Test Result .....	83
Figure 6.10 Big Recipe Card After Tapped Test Result .....	84
Figure 6.11 Recipe Card Before Tap Test Result .....	84
Figure 6.12 Recipe Card After Tapped Test Result.....	85
Figure 6.13 Home Page Search Bar Before Tap Test Result.....	86
Figure 6.14 Home Page Search Bar After Tapped Test Result .....	87
Figure 6.15 Search Recipe Test Result .....	87
Figure 6.16 Search History Test Result .....	88
Figure 6.17 Search Recipe by Search History Test Result .....	88
Figure 6.18 Wrong Input Search Recipe Test Result .....	89
Figure 6.19 Load More Search Page Before Tap Test Result .....	90
Figure 6.20 Load More Search Page After Tapped Test Result .....	90
Figure 6.21 Load More Recipes Page Before Tap Test Result.....	91
Figure 6.22 Load More Recipes Page After Tapped Test Result .....	91
Figure 6.23 Generate Random Recipe Before Tap Test Result.....	92
Figure 6.24 Generate Random Recipe After Tapped Test Result 1 .....	93
Figure 6.25 Generate Random Recipe After Tapped Test Result 2 .....	93
Figure 6.26 User Filled Data for Register Test Result.....	94

Figure 6.27 User Successfully Register Test Result .....	95
Figure 6.28 User Filled Data for Login Test Result .....	95
Figure 6.29 User Successfully Login Test Result.....	96
Figure 6.30 Before User Logout Test Result .....	96
Figure 6.31 After User Logout Test Result .....	97

## LIST OF TABLES

Table 2.1 Related Works Comparison.....	12
Table 3.1 Function Description.....	13
Table 3.2 Software Requirements.....	14
Table 3.3 Hardware Requirements .....	14
Table 3.4 Home Use Case Narrative.....	16
Table 3.5 Recipes Use Case Narrative.....	17
Table 3.6 Account Use Case Narrative.....	18
Table 3.7 Search Use Case Narrative .....	19
Table 3.8 Most Viewed Recipes Use Case Narrative .....	20
Table 3.9 Bookmarked Recipes Use Case Narrative .....	20
Table 3.10 Recommendation Based on Input Use Case Narrative .....	21
Table 3.11 Recipe Detail Use Case Narrative .....	22
Table 3.12 Bookmark Recipe Use Case Narrative .....	23
Table 3.13 Load More Recipe Use Case Narrative .....	24
Table 3.14 Generate Random Recipe Use Case Narrative .....	25
Table 3.15 Login Page Recipe Use Case Narrative .....	26
Table 3.16 Login Recipe Use Case Narrative.....	27

Table 3.17 Register Page Recipe Use Case Narrative .....	28
Table 3.18 Register Recipe Use Case Narrative .....	29
Table 3.19 Logout Recipe Use Case Narrative.....	30
Table 3.20 Search from Search History Use Case Narrative.....	31
Table 4.1 Home Page Interface Description .....	51
Table 4.2 Search Page Interface Description .....	53
Table 4.3 Recipes Page Interface Description .....	54
Table 4.4 Bookmark Page Interface Description .....	55
Table 4.5 Recipe Detail Page Interface Description.....	56
Table 4.5 Software Used for Project Development .....	57
Table 4.7 Hardware Used for Project Development .....	57
Table 4.8 Recipe Table .....	58
Table 4.9 User Table.....	58
Table 6.1 Tab Bar Testing Evaluation .....	77
Table 6.2 Bookmark Testing Evaluation .....	79
Table 6.3 Recipe Detail Testing Evaluation .....	82
Table 6.4 Search Testing Evaluation .....	85
Table 6.5 Load More Testing Evaluation .....	89

Table 6.6 Random Recipe Testing Evaluation .....	92
Table 6.7 Account Testing Evaluation.....	94