



WEB-BASED JOB FINDER APPLICATION

UNDERGRADUATE FINAL PROJECT

SUBMITTED AS ONE OF THE REQUIREMENT TO OBTAIN

SARJANA KOMPUTER

By:

REGINALD STEFANUS TAMPANGUMA

001201800013

FACULTY OF COMPUTING

INFORMATICS STUDY PROGRAM

PRESIDENT UNIVERSITY

CIKARANG, BEKASI, INDONESIA

AUGUST 2023

Copyright By
Reginald Stefanus Tampanguma
2023

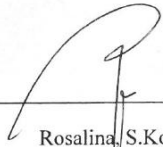
WEB-BASED JOB FINDER APPLICATION

By

Reginald Stefanus Tampanguma

001201800013

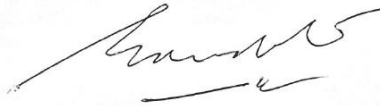
Approved:



Rosalina, S.Kom., M.Kom.
Thesis Advisor



Cutifa Safitri, Ph.D
Program Head of Informatics



Rila Mandala, Ph.D.
Dean of Faculty of Computing

STATEMENT OF ORIGINALITY

In my capacity as an active student at President University and as the author of the final project stated below:

Name : REGINALD STEFANUS TAMPANGUMA

Student ID number : 001201800013

Study Program : Informatics

Faculty : Computer Science

I hereby declare that my final project entitled "**WEB-BASED JOB FINDER APPLICATION**" is to the best of my knowledge and belief, an original piece of work based on sound academic principles. If there is any plagiarism detected in this final project, I am willing to be personally responsible for the consequences of these acts of plagiarism and will accept the sanctions against these acts in accordance with the rules and policies of President University.

I also declare that this work, either in whole or in part, has not been submitted to another university to obtain a degree.

Cikarang, 2022



REGINALD STEFANUS TAMPANGUMA

**SCIENTIFIC PUBLICATION APPROVAL FOR ACADEMIC
INTEREST**

As an academic community member of the President's University, I, the undersigned:

Name : REGINALD STEFANUS TAMPANGUMA

Student ID number : 001201800013

Study program : Informatics

for the purpose of development of science and technology, certify, and approve to give President University a non-exclusive royalty-free right upon my final report with the title:

“WEB-BASED JOB FINDER APPLICATION”

With this non-exclusive royalty-free right, President University is entitled to converse, to convert, to manage in a database, to maintain, and to publish my final report. There are to be done with the obligation from President University to mention my name as the copyright owner of my final report.

This statement I made in truth.

Cikarang, 2022



REGINALD STEFANUS TAMPANGUMA

**ADVISOR APPROVAL FOR JOURNAL/INSTITUTION'S
REPOSITORY**

As an academic community member of the President's University, I, the undersigned:

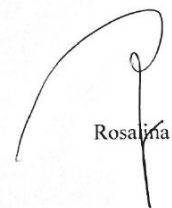
Name : Rosalina
ID number : 20190900815
Study program : Informatics
Faculty : Computing

declare that following thesis:

Title of thesis : **WEB-BASED JOB FINDER APPLICATION**
Thesis author : REGINALD STEFANUS TAMPANGUMA
Student ID number : 001201800013

will be published in **journal / institution's repository / proceeding / unpublished.**

Cikarang, 2022


Rosalina

PANEL OF EXAMINER APPROVAL

The Panel of Examiners declare that the undergraduate thesis entitled **WEB-BASED JOB FINDER APPLICATION** that was submitted by **REGINALD STEFANUS TAMPANGUMA** majoring in IT from the Faculty of Computer Science was assessed and approved to have passed the Oral Examination on Wednesday September 6, 2023.

Panel of Examiner



CUTIFA SAFITRI

Chair of Panel Examiner



GENTA SAHURI

Examiner I

PLAGIARISM CHECK RESULT

FINPRO CHECK 2

ORIGINALITY REPORT

18%

SIMILARITY INDEX

17%

INTERNET SOURCES

3%

PUBLICATIONS

0%

STUDENT PAPERS

PRIMARY SOURCES

1	repository.president.ac.id Internet Source	10%
2	"Intelligent and Fuzzy Systems", Springer Science and Business Media LLC, 2022 Publication	1%
3	codeshruta.com Internet Source	1%
4	ir.unimas.my Internet Source	1%
5	jozilla.net Internet Source	<1%
6	Mahdi. "Use of Algorithm Linear Congruential Generator (LCG) on the TOEFL Test Application", IOP Conference Series: Materials Science and Engineering, 2019 Publication	<1%
7	umpir.ump.edu.my Internet Source	<1%
8	blog.ajsrp.com Internet Source	<1%

GPT ZERO RESULT

The screenshot shows the GPTZero AI Detection interface. On the left is a sidebar with navigation options: AI Detection (selected), Scan History, Usage Stats, API, and Settings. The main content area has a top navigation bar with 'Products', 'Resources', and 'Upgrade plan'. Below this, there's a message: 'Running the plagiarism scan is simple, and is counted as an additional scan in your usage.' There are two tabs: 'Text scan' and 'Batch upload'. A '← Back' link is visible. A table shows the scan results:

File Name	Classification	AI Probability
REVISI FINAL PROJECT - REGINALD STEFANUS TAMPANGUMA 001201800013.pdf	Mixed	21.66%

Below the table, a large green box contains the text: 'Your text is most likely human written'. A paragraph explains that AI-generated content is changing and that AI detection results should not be used to punish students. It recommends using 'Writing Reports' and refers to a 'FAQ'. The GPTZero Model Version is '2023-09-14'. At the bottom, there's a footer: 'WEB-BASED JOB FINDER APPLICATION By Reginald Stefanus Tampanguma 001201800013 A Final Project Submitted to'. An 'Activate Windows' watermark is present in the bottom right.

This screenshot shows the detailed statistics page in GPTZero. The sidebar is the same as in the previous screenshot. The main content area has a top navigation bar with 'Products', 'Resources', and 'Upgrade plan'. A yellow box at the top states: 'Sentences highlighted are more likely to be written by AI'. Below this is a 'How did we do?' section with thumbs up and down icons. The 'Stats' section features:

- Average Perplexity Score: 84.129** - A document's perplexity is a measurement of the randomness of the text.
- Burstiness Score: 103.667** - A document's burstiness is a measurement of the variation in perplexity.
- Your sentence with the highest perplexity, "I am", has a perplexity of: 572**

The footer includes '© 2022-2023 GPTZero' and an 'Activate Windows' watermark.

ABSTRACT

One of the websites that Indonesians visit the most frequently is one that lists employment openings. This is a result of the rising number of Indonesians looking for employment. For businesses looking to post job vacancy adverts, the majority of the existing job vacancy websites typically demand rather high charges. Additionally, the bulk of websites for job openings simply offer resources for online job applications and information on job vacancies. The website offers extremely few resources for businesses and job seekers. Users of job-vacancy websites lack access to efficient communication tools that would allow them to communicate and develop strong relationships. As a result, visitors to job-vacancy websites are frequently inactive. As a result, visitors to job-vacancy websites are frequently inactive. Web-based employment apps are created utilizing HTML (Hypertext Markup Language), which is used to mark up text pages, PHP (Hypertext Preprocessor), which is used to create scripts and objects that extend HTML's functionality, and MySQL as its underlying database. Based on testing, the created application can enhance a job board's overall functionality to encourage visitors to use the free services offered.

DEDICATION

I dedicate this final project to myself, my parents, who have helped me up until this point, and the fact that I can now finally complete it. And I give God praise for allowing me to complete this final project without incident. I also like to thank the staff and professors for providing support and direction up until this assignment was finished. also my friends who have encouraged me to create this project and supported me from the start to ensure a successful completion.

ACKNOWLEDGEMENT

Would want to express my sincere appreciation to everyone who has consistently helped me as I worked on this last project. I also commend myself for working persistently on and finishing this final project:

1. I congratulate myself for putting in so much effort and finishing this last assignment.

2. To my parents, who have supported and prayed for me constantly.

3. Thank you so much for accepting to supervise my capstone project, Mrs. Rosalina.

4. I am extremely grateful to have been a student of each and every one of my lecturers over the past few years since they have all given me information.

5. I want to convey my gratitude to all of my friends and friends who constantly pray for me and stand by me in any circumstance.

TABLE OF CONTENTS

	Catalog	
ABSTRACT		i
DEDICATION		ii
ACKNOWLEDGEMENT		iii
TABLE OF CONTENTS		iv
LIST OF TABLES		vii
LIST OF FIGURES		viii
1 CHAPTER I INTRODUCTION		1
1.1 Background		1
1.2 Problem Statement		2
1.3 Objectives		2
1.4 Scope and Limitations		2
1.4.1 Scope		2
1.4.2 Limitations		3
1.5 Project Methodology		3
1.5.1 Requirement Planning Phase		4
1.5.2 System Design Phase		4
1.5.3 Development/Construction Phase		4
1.5.4 Cut Over Phase		4
1.6 Final Project Outline		5
1.6.1 Chapter I – Introduction		5
1.6.2 Chapter II – Literature Study		5
1.6.3 Chapter III – System Analysis		5
1.6.4 Chapter IV – System Design		5
1.6.5 Chapter V – Conclusion and Future Works		6
2 CHAPTER II LITERATURE REVIEW		7

2.1 Feature Utilization	7
2.1.1 Web Server	7
2.1.2 World Wide Web (WWW)	7
2.1.3 System Definition	8
2.1.4 Information Systems	8
2.1.5 HTML	9
2.1.6 PHP	9
2.1.7 CSS	10
2.1.8 PHP Mysql	10
2.1.9 Cosine Similarity	11
2.1.10 Eight Golden Rules of UI	11
3 CHAPTER III SYSTEM ANALYSIS	13
3.1 System Overview	13
3.2 Function Analysis	13
3.3 Use Case Diagram	15
3.4 Use Case Narrative	15
3.5 Swim Lane Diagram	20
3.5.1 Register Swim-lane Diagram	20
3.5.2 Apply Job Swim-lane Diagram	20
3.5.3 Add Job Swim-lane Diagram	21
3.5.4 Delete User Swim-lane Diagram	21
3.6 Hardware and Software Requirement	21
3.6.1 Hardware Requirement	21
3.6.2 Software Requirement	22
4 CHAPTER IV SYSTEM DESIGN	23
4.1 User Design	23
4.1.1 Landing Page	23

4.1.2 Login As Page	25
4.1.3 Sign-in Option Page	26
4.1.4 Employee Page	28
4.1.5 Application List Page	29
4.1.6 Employer Page	31
4.1.7 Total Job Page	32
4.1.8 Add Job Page	33
4.1.9 My Job Page	35
4.1.10 Software Engineering Applicant Page	37
4.1.11 Action Pop-up	38
4.2 Physical Design	39
4.2.1 Software	39
5 CHAPTER V SYSTEM IMPLEMENTATION	41
5.1 User Interface Employee-Type Development	41
5.2 User Interface Employer-Type Development	45
6 CHAPTER VI CONCLUSION AND FUTURE WORKS	53
6.1 Conclusion	53
6.2 Future Works	53
REFERENCES	54

LIST OF TABLES

<i>Table 3.1. Table of Employee-type User Function Description</i>	14
<i>Table 3. 2 Table of Employer-type User Function Description</i>	14
<i>Table 3.3 Register Use Case Narrative</i>	15
Table 3.4 Apply Job Use Case Narrative	16
Table 3.5. <i>Add Job Use Case Narrative</i>	17
Table 3.6. <i>Delete User Use Case Narrative</i>	19
Table 4.1. Label Description of Figure 4.1.....	24
Table 4.2. Label Description of Figure 4.2.....	26
Table 4.3. Label Description of Figure 4.3.....	27
Table 4.4. Label Description of Figure 4.4.....	28
Table 4.5. Label Description of Figure 4.5.....	30
Table 4.6. Label Description of Figure 4.6.....	31
Table 4.7. Label Description of Figure 4.7.....	32
Table 4.8. Label Description of Figure 4.8.....	34
Table 4.9. Label Description of Figure 4.9.....	36
Table 4.10. Label Description of Figure 4.10.....	37
Table 4.11. Label Description of Figure 4.11.....	38
Table 4.10. Software Requirement in the Project Development.....	40

LIST OF FIGURES

Figure 1.1 Rapid Application Development Phase	3
Figure 3.1 Use Case diagram for the User and Company-Type	15
Figure 3.2 Register Swim-lane Diagram	20
Figure 3.3 Apply Job Swim-lane Diagram	20
Figure 3.4 Add Job Swim-lane Diagram	21
Figure 3.5 Delete User Swim-lane Diagram	21
Figure 4.1. Landing Page	24
Figure 4.2. Login As Page	25
Figure 4.3. Register Page	27
Figure 4.4. Employee Page	28
Figure 4.5. Application List Page	30
Figure 4.6. Employer Page	31
Figure 4.7. Total Job Page	32
Figure 4.8. Add Job Page	34
Figure 4.9. My Job Page	36
Figure 4.10. Software Engineering Applicant Page	37
Figure 4.11. If Employer click Action Button Pop-up will show up	38
Figure 5.1. Landing Page	41
Figure 5.2. Login As Page	42
Figure 5.3. Login As Employee Page	42
Figure 5.4. Register As Employee Page	43
Figure 5.5. If Employee Choose File Button at Register Page	43
Figure 5.6. Employee Home Page	44
Figure 5.7. Application List Employee Page	44
Figure 5.8. Apply Button Employee Page	45
Figure 5.9. Login As Employer Page	46

Figure 5.10. Register As Employer Page	46
Figure 5.11. Employer Home Page	47
Figure 5.12. Total Job Employer Page	47
Figure 5.13. Add Job Employer Page	48
Figure 5.14. Submit Button Add Job Employer Page	48
Figure 5.15. Edit Job Employer Page	49
Figure 5.16. My Job Employer Page	49
Figure 5.17. Software Engineering applicant Page	50
Figure 5.18. If Employer click button action	50
Figure 5.19. If Employer click Check CV Button	51
Figure 5.20. If Employer click Drop-down for Update Employee Status	51
Figure 5.21. If Employer click Delete Button	52
Figure 5.22. If Employer click Hire Button	52