



**Web Based System Ordering Printing in Abang Printing**

UNDERGRADUATE THESIS

Submitted as one of the requirements to obtain  
Sarjana Komputer

By:

Egi Al Fansyah

012201900053

FACULTY OF  
COMPUTING

INFORMATION SYSTEM STUDY PROGRAM

CIKARANG

March, 2023

Copyright by  
Egi Al Fansyah  
2023

## **PANEL OF EXAMINER APPROVAL**

The Panel of Examiners declare that the undergraduate thesis entitled **Web Based System Ordering Printing In Abang Printing** that was submitted by Egi Al Fansyah majoring in Information System from the Computing was assessed and approved to have passed the Oral Examination on 10 March 2023

### **Panel of Examiner**

A handwritten signature in black ink, consisting of a large, stylized 'G' followed by a vertical line and a small flourish.

(Genta Sahuri, M.Kom)

### **Chair of Panel Examiner**

A handwritten signature in black ink, featuring a large, stylized 'A' followed by a horizontal line and a vertical stroke.

(Abdul Ghofir, M.Kom)

### **Examiner I**

## STATEMENT OF ORIGINALITY

In my capacity as an active student of President University and as the author of the thesis/final project/business plan (underline that applies) stated below:

Name : Egi Al Fansyah

Student ID number : 012201900053

Study Program : Information System

Faculty : Computing

I hereby declare that my thesis/final project/business plan entitled "**Web Based System Ordering Printing in Abang Printing**" 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 thesis/final project/business plan, 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, March 2023



(Egi Al Fansyah)

## **SCIENTIFIC PUBLICATION APPROVAL FOR ACADEMIC INTEREST**

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

Name : Egi Al Fansyah

Student ID number : 012201900053

Study program : Information System

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 System Ordering Printing in Abang Printing**

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, March 2023



(Egi Al Fansyah)

## ADVISOR APPROVAL FOR PUBLICATION

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

Advisor Name : Hadi Suprayitno, S.Kom.,MM

NIDN : 201901784

Study program : Information System

Faculty : Computer Science

declare that following thesis :

Title of undergraduate thesis : Web Based System Ordering Printing in Abang Printer

Undergraduate Thesis author : Egi Al Fansyah

Student ID number : 012201900053

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

Cikarang, March 2023

A handwritten signature in blue ink, appearing to read 'Hadi Suprayitno', with a small mark at the end.

Hadi Suprayitno, S.Kom., M.M

## SIMILARITY INDEX REPORT

### Web Based System Ordering Printing In Abang Printing

#### ORIGINALITY REPORT

**16%**

SIMILARITY INDEX

**16%**

INTERNET SOURCES

**1%**

PUBLICATIONS

**0%**

STUDENT PAPERS

#### PRIMARY SOURCES

<b>1</b>	<a href="http://repository.president.ac.id">repository.president.ac.id</a> Internet Source	<b>12%</b>
<b>2</b>	<a href="http://repository.widyatama.ac.id">repository.widyatama.ac.id</a> Internet Source	<b>1%</b>
<b>3</b>	<a href="http://beadgrup.com">beadgrup.com</a> Internet Source	<b>1%</b>
<b>4</b>	<a href="http://widuri.raharja.info">widuri.raharja.info</a> Internet Source	<b>&lt;1%</b>
<b>5</b>	<a href="http://www.leactivemath.org">www.leactivemath.org</a> Internet Source	<b>&lt;1%</b>
<b>6</b>	<a href="http://media.neliti.com">media.neliti.com</a> Internet Source	<b>&lt;1%</b>
<b>7</b>	<a href="http://ejournal.unwaha.ac.id">ejournal.unwaha.ac.id</a> Internet Source	<b>&lt;1%</b>
<b>8</b>	<a href="http://join.if.uinsgd.ac.id">join.if.uinsgd.ac.id</a> Internet Source	<b>&lt;1%</b>
<b>9</b>	<a href="http://ceritahosting.com">ceritahosting.com</a> Internet Source	<b>&lt;1%</b>

10	<a href="https://support.huawei.com">support.huawei.com</a> Internet Source	<1 %
11	<a href="https://nauchkor.ru">nauchkor.ru</a> Internet Source	<1 %
12	<a href="https://123dok.com">123dok.com</a> Internet Source	<1 %
13	<a href="https://pdfcoffee.com">pdfcoffee.com</a> Internet Source	<1 %
14	<a href="https://publications.theseus.fi">publications.theseus.fi</a> Internet Source	<1 %
15	<a href="https://1library.net">1library.net</a> Internet Source	<1 %
16	<a href="https://repository.stmikroyal.ac.id">repository.stmikroyal.ac.id</a> Internet Source	<1 %
17	<a href="https://repository.unwira.ac.id">repository.unwira.ac.id</a> Internet Source	<1 %
18	<a href="https://tutorialcampus.com">tutorialcampus.com</a> Internet Source	<1 %
19	<a href="https://gkgkaw.18725665.cn">gkgkaw.18725665.cn</a> Internet Source	<1 %
20	<a href="https://researchbank.swinburne.edu.au">researchbank.swinburne.edu.au</a> Internet Source	<1 %
21	<a href="https://theses.gla.ac.uk">theses.gla.ac.uk</a> Internet Source	<1 %



## GPTZero Report

### Stats

**Average Perplexity Score: 88.105**



A document's perplexity is a measurement of the randomness of the text

**Burstiness Score: 40.469**



A document's burstiness is a measurement of the variation in perplexity

Your sentence with the highest perplexity, "*This statement I made in truth.*", has a perplexity of: 210

## **ABSTRACT**

In this online era, it's good in terms of doing business, we can use technology to improve the quality of our business. I will discuss Abang Printer, Abang Printer is a digital printer that usually prints various office and lecture needs such as banners, printed logo pins, name tags, hardcover, softcover, and others. Abang Printer, which in my opinion needs to be updated in the ordering system. because Brother Printer still uses a manual system where customers come to the place to place orders. and today it is an ancient thing that must be renewed, and not only that I am one of the workers there and I see there is an imbalance in the ordering method. For example, there are often double prints or misprints because there are many customers but there is a lack of management in the ordering system. Therefore, this final project will discuss how to improve the management of a more structured web-based ordering system so that problems related to orders that often occur at Abang Printer can be resolved. This will manage online order data that goes directly to orders on the web, customers on social media, and also walk-in customers which are directly inputted by the admin at Printer Abang, which can make it easier for customers to order and also report customers who order. so that it can overcome the order system which is often chaotic to be more effective. In addition, the output of this task is clear management, giving invoices to customers and also notifications of the clarity of the orders they make.

**Keyword** Ordering Management System, Digital Printing, Manage Ordering Data, Notification, Invoice

## **DEDICATION**

The author dedicates this Final Project to my family and friends who support and help me to move forward until now, and my dearest friends at the university as a result of my 3.5 years studying at President University majoring in Information Systems.

## **ACKNOWLEDGEMENT**

My gratitude goes to the presence of Allah S.W.T for the blessings and gifts of health that have been given to me to be able to complete this final project. I would like to express my gratitude to the people who have supported me to complete my final project:

1. My beloved parents and family who have always loved and supported me during my university life.
2. Mr. Hadi Suprayitno was the supervisor of my final project who guided and helped me during the completion of my final project and studies on campus.
3. Mrs. Cutifa Safitri as the academic advisor who always helps and guides me from the beginning of the semester to this final project.
4. All lecturers who have taught me all the knowledge that I have gained during my studies
5. All my friends from college that I cannot mention one by one

## Table of Content

DEDICATION.....	ii
ACKNOWLEDGEMENT.....	iii
Table of Content .....	iv
List of Table .....	ix
List of Figure .....	x
CHAPTER I INTRODUCTION.....	1
1.1 Background .....	1
1.2 Problem Statement.....	2
1.3 Research Objective .....	2
1.4 Scope and Limitation .....	2
1.5 Thesis Methodology.....	3
1.6 Thesis Outline.....	4
CHAPTER II LITERATURE STUDY .....	6
2.1 Printing .....	6
2.2 Digital Printing.....	6
2.3 Management Order Digital Printing.....	7
2.4 WEB .....	7
2.5 Xampp .....	7
2.6 Benefits having website for Business.....	9
2.7 Related Work .....	9
2.7.1 Percetakanku .....	9
2.7.2 Lima Warna.....	10
2.7.3 Future Comparison .....	10
CHAPTER III SYSTEM ANALYSIS.....	12
3.1. System Overview .....	12
3.1.1. Overview of the Current System .....	12

3.1.2. Overview of the Proposed System .....	14
3.2. Functional Requirement .....	15
3.3. Hardware and Software Requirement .....	16
3.4. Use Case Diagram.....	17
3.5. Use Case Narrative.....	18
3.5.1 Use Case Narrative Login Page .....	18
3.5.2 Use Case Narrative Registration Page .....	19
3.5.3 Use Case Narrative Dashboard Page .....	20
3.5.4 Use Case Narrative Menu Profile Page .....	20
3.5.5 Use Case Narrative Cart Page .....	21
3.5.6 Use Case Narrative Transaction Order Page.....	22
3.5.7 Use Case Narrative Sales Dashboard Page .....	23
3.5.8 Use Case Narrative History Order Page .....	24
3.5.9 Use Case Narrative Manage Product Page .....	25
3.6. Activity Diagram.....	26
3.6.1 Login Activity Diagram.....	26
3.6.2 Registration Activity Diagram .....	27
3.6.3 Edit Profile Activity Diagram .....	28
3.6.4 Product Activity Diagram .....	29
3.6.5 Transaction History Activity Diagram .....	30
3.6.6 Sales Order Activity Diagram.....	31
3.6.7 Manage Product Activity Diagram.....	32
CHAPTER IV SYSTEM DESIGN.....	33
4.1. User Interface Design .....	33
4.1.1. User Menu.....	33
4.1.1.1 Registration Page .....	33
4.1.1.2 Login Page.....	34
4.1.1.3 Dashboard Page .....	34
4.1.1.4 Profile Page .....	35
4.1.1.5 Cart Page .....	36

4.1.1.6 Track Order Page .....	37
4.1.2. Admin Menu .....	37
4.1.2.1 Login Page.....	37
4.1.2.2 Sales Dashboard Page .....	38
4.1.2.3 Sales History Page .....	38
4.1.2.4 Manage Product .....	39
4.2. Physical Design .....	40
4.3. Entity Relationship Diagram .....	40
4.4. Database Design .....	41
CHAPTER V SYSTEM IMPLEMENTATION.....	49
5.1. User Interface Development .....	49
5.1.1. User Menu.....	49
5.1.1.1 Dashboard Page .....	49
5.1.1.2 Login Page.....	51
5.1.1.3 Registration Page .....	51
5.1.1.4 Profile Page .....	52
5.1.1.5 Product Page.....	53
5.1.1.6 Cart Page .....	54
5.1.1.7 Testimoni Page .....	55
5.1.1.8 About Page .....	56
5.1.1.9 Contact Page.....	57
5.1.2. Admin Menu .....	57
5.1.2.1 Login Page.....	57
5.1.2.2 Dashboard Page .....	58
5.1.2.3 Product Page.....	59
5.1.2.4 Order Page.....	60
5.1.2.5 Shipping Method Page.....	61
5.1.2.6 Report Page .....	62
5.1.2.7 Contact Page.....	62
5.1.2.8 About Page .....	63

5.1.2.9 Testimoni Page .....	64
5.2 Source Code .....	64
5.2.1 Database Connection .....	64
5.2.2 User Menu Source Code .....	65
5.2.2.1 Dashboard Source Code.....	65
5.2.2.2 Login Source Code .....	66
5.2.2.3 Forget Password Source Code.....	66
5.2.2.4 Registration Source Code.....	67
5.2.2.5 Edit Profile Source Code.....	68
5.2.2.6 Edit Password Source Code .....	68
5.2.2.7 Add Cart Source Code .....	69
5.2.2.8 Delete Cart Source Code.....	70
5.2.2.9 Contact Source Code.....	71
5.2.2.10 Testimoni Source Code .....	72
5.2.2.11 Payment Confirmation Source Code .....	72
5.2.2.12 Add Transaction Source Code.....	73
5.2.2.13 Delete Transaction Source Code .....	74
5.2.2.14 Update Status Transaction Source Code .....	75
5.2.3 Admin Menu Source Code.....	76
5.2.3.1 Dashboard Source Code.....	76
5.2.3.2 Login Source Code .....	76
5.2.3.3 About Source Code.....	77
5.2.3.4 Payment Confirmation Source Code .....	78
5.2.3.5 Input Bank Account Source Code .....	78
5.2.3.6 Add Product Category Source Code.....	78
5.2.3.7 Delete Product Category Source Code .....	79
5.2.3.8 Edit Product Category Source Code .....	79
5.2.3.9 Store Contact Info Source Code .....	80
5.2.3.10 Add Product Source Code .....	81
5.2.3.11 Delete Product Source Code.....	82
5.2.3.12 Edit Product Source Code .....	82



5.2.3.13 Shipment Confirmation Source Code .....	83
5.2.3.14 Add Shipping Source Code .....	84
5.2.3.15 Delete Shipping Source Code.....	85
5.2.3.16 Edit Shipping Source Code .....	85
5.2.3.17 Social Media Info Source Code.....	86
5.2.3.18 Testimoni Changed Status Source Code .....	87
5.2.3.19 Update Transaction Status Source Code .....	88
5.2.3.20 Print Report Sales Source Code.....	88
CHAPTER VI SYSTEM TESTING.....	91
6.1 System Testing.....	91
6.2 Testing Environment .....	91
6.3 Testing Scenario.....	91
6.3.1 Testing User Platform Features.....	91
6.3.2 Testing Admin Platform Features .....	97
CHAPTER VII CONCLUSIONS AND FUTURE WORK.....	103
7.1 Conclusion .....	103
7.2 Future Work.....	103
REFERENCES .....	104

## List of Table

Table 2. 1 Comparison Table .....	10
Table 3. 1 Functional Requirement.....	16
Table 3. 2 U.C.Narrative Login Page .....	18
Table 3. 3 U.C.Narrative Registration Page .....	19
Table 3. 4 U.C.Narrative Dashboard Page .....	20
Table 3. 5 U.C.Narrative Menu Profile Page .....	20
Table 3. 6 U.C.Narrative Cart Page .....	21
Table 3. 7 U.C.Narrative Transaction order .....	22
Table 3. 8 U.C.Narrative sales dashboard Page .....	23
Table 3. 9 U.C.Narrative History Order Page .....	24
Table 3. 10 U.C.Narrative Manage Product Page .....	25
Table 4. 1 Physical Design .....	40
Table 4. 2 Database Design .....	41
Table 6. 1 Scenario Testing for User .....	91
Table 6. 2 Scenario Testing for Admin .....	97

## List of Figure

Figure 2. 1 Web Percetakanku.....	9
Figure 2. 2 Lima warna .....	10
Figure 3. 1 Business Process As - Is.....	13
Figure 3. 2 Business Process To - Be .....	14
Figure 3. 3 Use Case Diagram.....	17
Figure 3. 4 Login Activity Diagram .....	26
Figure 3. 5 Registration Activity Diagram.....	27
Figure 3. 6 Edit Profile Activity Diagram.....	28
Figure 3. 7 Product Activity Diagram.....	29
Figure 3. 8 Transaction History Activity Diagram .....	30
Figure 3. 9 Sales Order Activity Diagram.....	31
Figure 3. 10 Manage Product Activity Diagram .....	32
Figure 4. 1 Registration Page .....	33
Figure 4. 2 Login Page .....	34
Figure 4. 3 Dashboard Page .....	35
Figure 4. 4 Profile Page.....	36
Figure 4. 5 Cart Page.....	37
Figure 4. 6 Track Order Page .....	37
Figure 4. 7 Login Page .....	38
Figure 4. 8 Sales Dashboard Page .....	38
Figure 4. 9 Sales History Page.....	39
Figure 4. 10 Manage Product Page.....	39
Figure 4. 11 Entity Relationship Diagram .....	41
Figure 5. 1 Dashboard Page .....	50
Figure 5. 2 Login Page .....	51
Figure 5. 3 Registration Page .....	52
Figure 5. 4 Profile Page.....	53
Figure 5. 5 Product Page .....	54
Figure 5. 6 Cart Page.....	55

Figure 5. 7 Testimoni Page.....	56
Figure 5. 8 About Page.....	56
Figure 5. 9 Contact Page .....	57
Figure 5. 10 Login Page .....	58
Figure 5. 11 Dashboard Page.....	59
Figure 5. 12 Product Page .....	60
Figure 5. 13 Order Page .....	61
Figure 5. 14 Shipping Method Page .....	61
Figure 5. 15 Report Page.....	62
Figure 5. 16 Contact Page .....	63
Figure 5. 17 About Page.....	63
Figure 5. 18 Testimoni Page.....	64
Figure 5. 19 Source Code Database Connection .....	65
Figure 5. 20 Dashboard Source Code .....	65
Figure 5. 21 Login Source Code.....	66
Figure 5. 22 Forget Password Source Code .....	67
Figure 5. 23 Registration Source Code .....	68
Figure 5. 24 Edit Profile Source Code .....	68
Figure 5. 25 Edit Password Source Code.....	69
Figure 5. 26 Add Cart Source Code.....	70
Figure 5. 27 Delete Cart Source Code .....	71
Figure 5. 28 Contact Source Code .....	71
Figure 5. 29 Testimoni Source Code .....	72
Figure 5. 30 Payment Confirmation Source Code.....	73
Figure 5. 31 Add Transaction Source Code .....	74
Figure 5. 32 Delete Transaction Source Code.....	75
Figure 5. 33 Update Status Transaction Source Code .....	75
Figure 5. 34 Dashboard Source Code .....	76
Figure 5. 35 Login Source Code.....	77
Figure 5. 36 About Source Code .....	77
Figure 5. 37 Payment Confirmation Source Code.....	78

Figure 5. 38 Figure Bank Account Source Code.....	78
Figure 5. 39 Add Product Category Source Code .....	79
Figure 5. 40 Delete Product Category Source Code.....	79
Figure 5. 41 Edit Product Category Source Code.....	80
Figure 5. 42 Store Contact Info Source Code.....	81
Figure 5. 43 Add Product Source Code .....	82
Figure 5. 44 Delete Product Source Code.....	82
Figure 5. 45 Edit Product Source Code.....	83
Figure 5. 46 Shipment Confirmation Source Code.....	84
Figure 5. 47 Add Shipping Source Code .....	84
Figure 5. 48 Delete Shipping Source Code .....	85
Figure 5. 49 Edit Shipping Source Code.....	86
Figure 5. 50 Social Media Info Source Code .....	87
Figure 5. 51 Testimoni Changed Status Source Code .....	87
Figure 5. 52 Update Transaction Status Source Code .....	88
Figure 5. 53 Print Report Sales Source Code .....	89