

A. Cover page



Web-based Graduation Event Attendance System using QR-Code

UNDERGRADUATE THESIS

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

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FACULTY OF COMPUTING

Informatics

CIKARANG

May 25th, 2023

B. Panel of examiner approval

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H. Abstract

ABSTRACT

Graduation ceremonies are important turning points in students lives and are frequently attended by large crowds. Keeping track of attendance at these events can be difficult and time-consuming, especially when using conventional techniques like sign-in sheets or roll calls. The objective of this research is to develop a web-based graduation event attendance system using QR codes to improve the accuracy and efficiency of attendance tracking. A QR code is a kind of matrix code or two-dimensional barcode created by Denso Wave, claims Soon (2018). Since they can be quickly scanned with a smartphone or other device, QR codes offer a distinctive and practical way to keep track of attendance. Each attendee's attendance will be tracked by scanning a special QR code created by the proposed system, which will produce one for each participant. Information about the number of attendees will be updated in real-time. The system's usability, effectiveness, and compatibility with various hardware and operating systems will all be evaluated in the study. The results of this research will contribute to the development of improved attendance tracking systems and provide insights into the use of QR codes for this purpose.

Keywords : Attendance, Graduation, QR-Code

I. Acknowledgement page

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J. Table of content

Table of Contents

ABSTRACT.....	I
DEDICATION.....	II
ACKNOWLEDGMENTS	III
LIST OF TABLES.....	VII
LIST OF FIGURES	VIII
CHAPTER I.....	1
1.1 Background	1
1.2 Problem Statement.....	2
1.3 Research Objectives.....	2
1.4 Scope and Limitation.....	3
1.5 Research Methodology	4
CHAPTER II.....	6
2.1 Information System.....	6
2.2 Graduation	7
2.3 QR-Code	8
2.4. QR-Code Structure	9
2.5 Related Works.....	11
CHAPTER III	12
3.1 System overview	12
3.2 Hardware and Software Requirement.....	13
3.3 Functional Analysis.....	14
3.4 Use Case Diagram	15
3.5 Use Case Narrative	16
CHAPTER IV	30
4.1 User Interface Design.....	30
4.1.1 Register	31
4.2.2 Login.....	32
4.2.3 Admin’s Dashboard.....	33
4.2.4 Seat Arrangement for Admin.....	34
4.2.5 Faculty Settings	35
4.2.6 Major settings	36
4.2.7 Graduation Schedule Settings for Admin.....	37
4.2.8 Student’s Dashboard.....	40

4.2.9 Graduation Schedule Settings for Students.....	41
4.2 Entity Relationship Diagram.....	42
CHAPTER V	43
5.1 User Interface Development.....	43
5.1.1 Graduation Event Attendance System Register Page.....	43
5.1.2 Graduation Event Attendance System Login Page	44
5.1.3 Admin – Dashboard Page.....	45
5.1.4 Admin – Seat Arrangement Page.....	46
5.1.5 Admin – Faculty Settings Page.....	47
5.1.6 Admin – Major Settings Page.....	47
5.1.7 Admin – Graduation Schedule Settings Page.....	48
5.1.8 Admin – View Feature Page	49
5.1.9 Admin – Scan Feature Page	50
5.1.10 User – Dashboard Page.....	50
5.1.11 User – Graduation Schedule Page.....	51
5.2 System Details.....	52
5.2.1 Login Form	53
5.2.2 Register Form.....	55
5.2.3 Admin – Dashboard Page.....	57
5.2.4 Admin – Seat Arrangement Page.....	59
5.2.5 Admin – Faculty Settings Page.....	61
5.2.6 Admin – Major Settings Page.....	62
5.2.7 Admin – Graduation Schedule Settings Page.....	63
5.2.8 Users – Dashboard Page	68
5.2.9 Users – Graduation Schedule Settings Page	69
CHAPTER VI.....	71
6.1 Testing Environment.....	71
6.2 Testing Scenario	72
6.2.1 General Features.....	72
6.2.2 Admin Features.....	73
6.2.3 User Features	75
CHAPTER VII.....	78
7.1 Conclusion.....	78
7.2 Future Work.....	79
REFERENCES	80

K. List of tables

LIST OF TABLES

Table 3. 3 Functional Analysis	14
Table 3.5. 1 Use case narrative admin login process	17
Table 3.5. 2 Use case narrative faculty settings.....	19
Table 3.5. 3 Use case narrative seat arrangement	22
Table 3.5. 4 Use case narrative graduation schedule	25
Table 3.5. 5 Use case narrative registration account for users	27
Table 3.5. 6 Use case narrative users login.....	28
Table 3.5. 7 Use case narrative graduation schedule for users	29
Table 6.2. 1 General Features	73
Table 6.2. 2 Admin Features	75
Table 6.2. 3 User Features	77

L. List of figures

LIST OF FIGURES

Figure 1. 5 Waterfall Model	4
Figure 2. 4 QR-Code Structure	9
Figure 2.4. 1 Finder Pattern	10
Figure 4.1. 1 Register Page.....	31
Figure 4.1. 2 Login Page	32
Figure 4.1. 3 Admin's Dashboard Page	33
Figure 4.1. 4 Seat Arrangement Page	34
Figure 4.1. 5 Faculty Settings Page	35
Figure 4.1. 6 Major Settings Page	36
Figure 4.1. 7 Graduation Schedule Settings for Admin Page.....	37
Figure 4.1. 8 View position feature for Admin Page	38
Figure 4.1. 9 Scan feature for Admin Page.....	39
Figure 4.1. 10 Student's Dashboard Page	40
Figure 4.1. 11 Graduation Schedule Settings Page	41
Figure 4. 2 ERD Diagram	42
Figure 5.1. 1 Graduation Event Attendance System Register Page	44
Figure 5.1. 2 Graduation Event Attendance System Login Page.....	45
Figure 5.1. 3 Admin – Dashboard Page	45
Figure 5.1. 4 Admin – Seat Arrangement Page	46
Figure 5.1. 5 Admin – Faculty Settings Page	47
Figure 5.1. 6 Admin – Major Settings Page.....	48
Figure 5.1. 7 Admin – Graduation Settings Page	49
Figure 5.1. 8 Admin – View Feature Page	49
Figure 5.1. 9 Admin – Scan Feature Page.....	50
Figure 5.1. 10 User – Dashboard Page	51
Figure 5.1. 11 User – Graduation Schedule Page.....	52
Figure 5.2. 1 Code – login.php	53
Figure 5.2. 2 Code – server.php	54
Figure 5.2. 3 Code – server.php	54
Figure 5.2. 4 Code – daftar.php	55
Figure 5.2. 5 Code – server.php	56
Figure 5.2. 6 Code – server.php	56
Figure 5.2. 7 Code – admin.php	57
Figure 5.2. 8 Code - menu_1.php.....	58
Figure 5.2. 9 Code – navbar.php	58
Figure 5.2. 10 Code – pengaturan_kursi.php.....	59
Figure 5.2. 11 Code – pengaturan_kursi.php.....	60
Figure 5.2. 12 Code – kelola_baris.php.....	60
Figure 5.2. 13 Code – pengaturan_fakultas.php.....	61
Figure 5.2. 14 Code – kelolah_fakultas.php.....	61
Figure 5.2. 15 Code – pengaturan_fakultas_jurusan.php.....	62
Figure 5.2. 16 Code – kelolah_jurusan.php	62
Figure 5.2. 17 Code – jadwal.php.....	63
Figure 5.2. 18 Code – kelolah_jadwal.php.....	64

Figure 5.2. 19 Code – generate.php.....	64
Figure 5.2. 20 Code – generate.php.....	64
Figure 5.2. 21 Code – generate.php.....	65
Figure 5.2. 22 Code – generate.php.....	65
Figure 5.2. 23 Code – generate.php.....	65
Figure 5.2. 24 Code – generate.php.....	66
Figure 5.2. 25 Code – generate.php.....	66
Figure 5.2. 26 Code – index.php	68
Figure 5.2. 27 Code – menu_2.php.....	68
Figure 5.2. 28 Code – jadwal.php.....	69
Figure 5.2. 29 Code – reg_wisuda.php.....	69
Figure 5.2. 30 Code – reg_wisuda.php.....	70