



**Development of Web-Based Integrated Management System for PT
Graha Buana Cikarang (Purchasing, HR, and Asset Monitoring)**

UNDERGRADUATE THESIS

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

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ABSTRACT

The digital age encourages businesses to integrate information technology into their operations to make them more efficient, accurate, and transparent. PT. Graha Buana Cikarang handles various tasks in the departments of purchasing, human resources recruitment, and asset monitoring, where the majority of the work is still done by hand. This includes things like the goal's keterlambatan, the difficulty of data collection, the risk of data loss, and the degree of transparency in work-related activities.

The goal of this project is to create a web-based integrated management system with three primary modules: asset monitoring, HR recruitment, and purchasing. To enhance data security, the system is made to automate business procedures, centralize data management, and offer role-based access control, automated validation, and notification capabilities.

Users are intimately involved in the analysis and testing process as part of the iterative development methodology. The system can function well, has a consistent performance, has an easy-to-use interface, and is compatible with multiple platforms, according to the findings of functional, non-functional, and security tests. At PT Graha Buana Cikarang, the deployment of this system has effectively increased operational efficiency, expedited the hiring and procurement process, and established a solid basis for long-term digital transformation.

TABLE OF CONTENTS

STATEMENT OF ORIGINALITY.....	1
SCIENTIFIC PUBLICATION APPROVAL FOR ACADEMIC INTEREST.....	2
ADVISOR APPROVAL FOR JOURNAL/INSTITUTION'S.....	3
REPOSITORY.....	3
SIMILARITY INDEX REPORT.....	4
DEDICATION.....	5
ACKNOWLEDGMENTS.....	6
ABSTRACT.....	7
TABLE OF CONTENTS.....	8
LIST OF FIGURE.....	11
LIST OF TABLE.....	13
CHAPTER I.....	1
INTRODUCTION.....	1
A. Background of the Problem.....	1
B. Problem from a Customer Perspective.....	2
1. Recruitment.....	2
a. Completion of Employee Requisition Form:.....	2
b. Data Validation:.....	2
c. Approval Process:.....	3
d. Applicant Data Management:.....	3
e. Interview Scheduling:.....	3
f. Candidate Screening:.....	3
g. Applicant Data Security:.....	4
h. Time Efficiency of Recruitment Process:.....	4
C. Objective.....	4
D. Constraints.....	4
E. Development Effort.....	5
1. Man-months.....	5
2. Machine-months.....	5
3. Development Tools.....	6
4. Test Equipment.....	6
CHAPTER II.....	7
SPECIFICATION.....	7
A. Existing And Proposed System.....	7
1. Existing Business Process.....	7

2. Proposed HR Recruitment Business Process.....	9
B. Main functionality.....	10
C. User Characteristic Recruitment Module.....	10
CHAPTER III.....	14
DESIGN.....	14
A. Solution Design Throught Block Diagram.....	14
B. Use Case Model Diagram.....	15
C. Activity Diagram	
- HR Recruitment.....	16
- HoD fills out employee request form.....	17
- Applicants apply and are screened by HR.....	17
- Interview and candidate selection.....	18
D. Entity Relation Diagram.....	19
CHAPTER IV	
IMPLEMENTATION.....	21
A. HoD Request employee (Employee Request Form).....	21
B. Status Request.....	23
C. Employee Request List.....	24
D. List of Job Vacancies.....	24
E. List of Applicants.....	25
F. List of Applicant while set interview by staff HR.....	25
G. List of Successful Applicants.....	26
H. List of Completed Interviews.....	27
I. Candidate interview assessment details.....	27
J. Talent Pool.....	28
K. View Request.....	29
L. Applicant Details.....	30
M. Career Display.....	31
O. Application Success submit notif.....	34
P. Applicant Homepage.....	34
Q. Manager Approval.....	36
R. Email to schedule an interview.....	37
T. COMPONENT COST ANALYSIS.....	39
U. USER GUIDELINE.....	39
• HR Recruitment.....	39
CHAPTER V.....	50
TESTING.....	50

1. Testing results of every function in the specification.....	50
2. Non-functional specifications from Part C F200.....	63
CHAPTER VI.....	67
CONCLUSION.....	67
REFERENCES.....	68

LIST OF FIGURE

Figure 2.1 Existing Business Process.....	8
Figure 2.2 Proposed Existing Business Process.....	9
Figure 3.1 DFD Level 1 Recruitment.....	14
Figure 3.2 Use case Diagram.....	15
Figure 3.3 Activity Diagram.....	17
Figure 3.4 Activity Diagram.....	17
Figure 3.5 Activity Diagram.....	18
Figure 3.6 Activity Diagram.....	18
Figure 3.7 Entity Relation Diagram.....	19
Figure 4.1 UI HoD Request Employee.....	21
Figure 4.2 UI HoD Request Employee.....	22
Figure 4.3 UI HoD Request Employee.....	22
Figure 4.4 UI HoD Request Employee.....	23
Figure 4.5 UI Status Request.....	24
Figure 4.6 UI Employee Request List.....	24
Figure 4.7 UI List Job Vacancies.....	25
Figure 4.8 List Of Applicants.....	25
Figure 4.9 UI List Applicant While Set Interview.....	26
Figure 4.10 List Successful Applicant.....	27
Figure 4.11 List Of Completed Interview.....	27
Figure 4.12 Interview Assessment.....	28
Figure 4.13 Talent Pool.....	29
Figure 4.14 View Request.....	30
Figure 4.15 Applicant Details.....	31
Figure 4.16 Applicant Details.....	31
Figure 4.17Career Display.....	32
Figure 4.18 Career Detail.....	32
Figure 4.19 Applicant Form.....	33
Figure 4.20 Applicant Form.....	33
Figure 4.21 Applicant Success Submit Notification.....	34
Figure 4.22 Applicant Homepage.....	35
Figure 4.23 Applicant Homepage.....	36

Figure 4.24 Manager approval.....	37
Figure 4.25 Email To Schedule Interview.....	37
Figure 4.26 Email To Schedule Interview.....	38
Figure 4.27 Form Employee Request.....	40
Figure 4.28 Form Employee Request.....	40
Figure 4.29 Form Employee Request.....	41
Figure 4.29 Form Employee Request.....	41
Figure 4.30 HR Input FPK Number.....	42
Figure 4.31 Staff HR Dashboard.....	42
Figure 4.32 List Employee Request.....	42
Figure 4.33 Approval to Manager.....	43
Figure 4.34 List Employee Request Approval.....	43
Figure 4.35 List Job Vacancy.....	43
Figure 4.36 Applicant Career Page.....	44
Figure 4.37 Applicant Fill the Form.....	44
Figure 4.38 Applicant Fill the Form.....	45
Figure 4.39 Applicant Fill the Form.....	45
Figure 4.40 List Applicant.....	45
Figure 4.41 Detail Applicant.....	46
Figure 4.42 Staff HR Set the Interview Schedule.....	47
Figure 4.43 Applicant Receive the email.....	48
Figure 4.44 Assessment Interview.....	48
Figure 4.45 Telent Pool.....	48

LIST OF TABLE

Table 1.1 Development man months.....	5
Table 12.1 User Characteristic.....	13
Table 4.1 Component Cost Analysis.....	39
Table 5.1.1 Testing Functionalities 1.....	51
Table 5.1.2 Testing Functionalities 2.....	52
Table 5.1.3 Testing Functionalities 3.....	53
Table 5.1.4 Testing Functionalities 4.....	54
Table 5.1.5 Testing Functionalities 5.....	56
Table 5.1.6 Testing Functionalities 6.....	57
Table 5.1.7 Testing Functionalities 7.....	58
Table 5.1.8 Testing Functionalities 8.....	60
Table 5.1.9 Testing Functionalities 9.....	63
Table 5.2.1 Testing Non Functional Specifications 1.....	63
Table 5.2.2 Testing Non Functional Specifications 2.....	64
Table 5.2.3 Testing Non Functional Specifications 3.....	65
Table 5.2.4 Testing Non Functional Specifications 4.....	66
Table 5.2.5 Testing Non Functional Specifications 5.....	66