APPLICATION OF ABC METHOD IN IMPROVING THE LAYOUT OF SPAREPARTS WAREHOUSE AT PT PRIME FORKLIFT SERVICE

UNDERGRADUATE FINAL PROJECT

Submitted as one of the requirements to obtain Sarjana Teknik (S.T)

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FACULTY OF ENGINEERING

INDUSTRIAL ENGINEERING STUDY PROGRAM

CIKARANG

NOVEMBER, 2024

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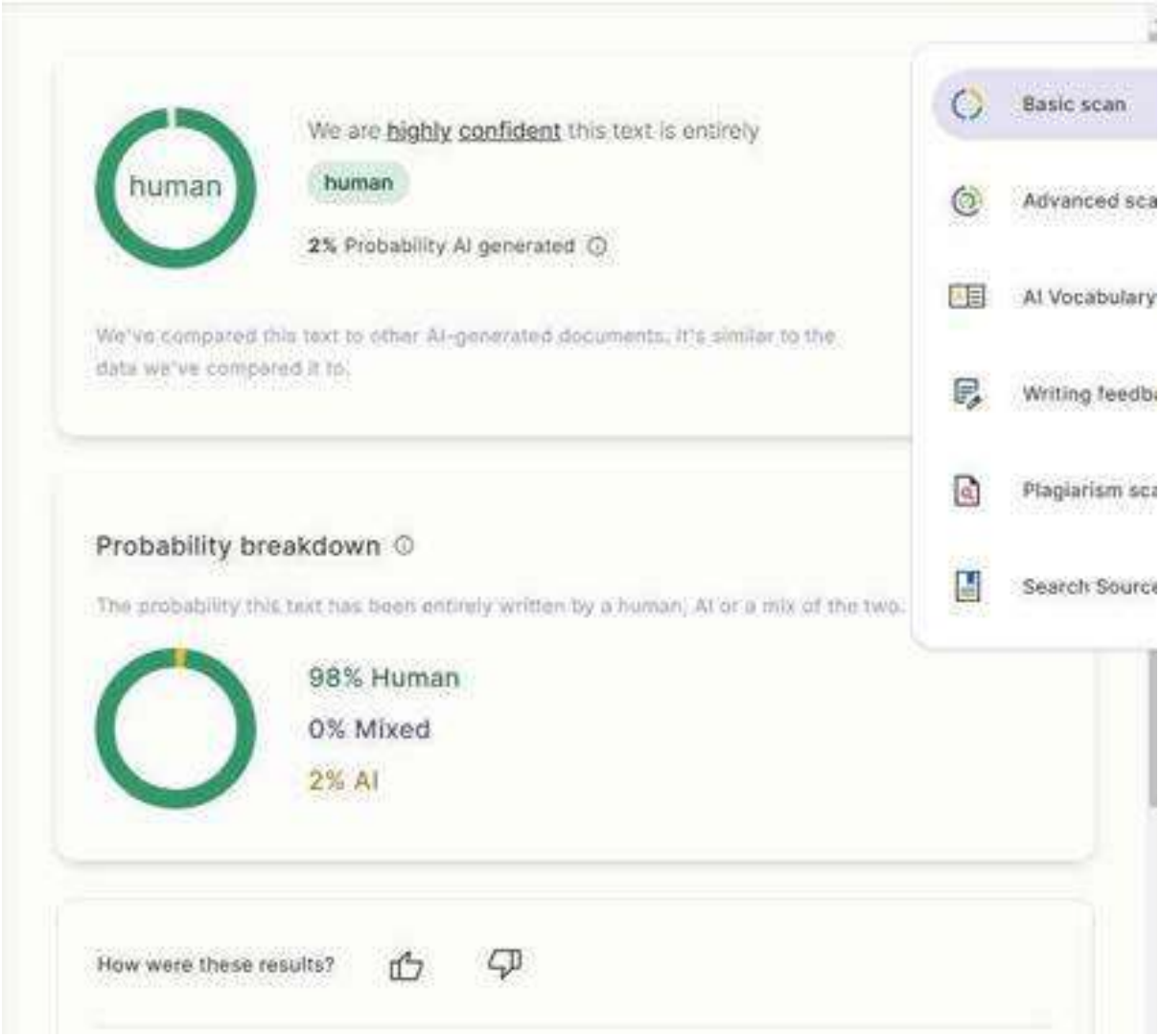
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ABSTRACT

Warehouse efficiency plays a crucial role in optimizing inventory management and operational workflows. PT. Prime Forklift Services faces challenges in managing its spare parts warehouse, leading to inefficiencies in item retrieval, inaccurate stock records, and optimal space utilization. This study applies the ABC classification method to improve warehouse layout and streamline inventory management.

By categorizing spare parts into Class A (fast-moving), Class B (medium-moving), and Class C (slow-moving), this research proposes a systematic storage arrangement to reduce retrieval time and enhance space utilization. The findings indicate that implementing the ABC method optimizes warehouse operations by minimizing unnecessary movement, improving stock accuracy, and increasing overall productivity.

As a result, this study provides recommendations for adopting a structured inventory system, integrating a Warehouse Management System (WMS), and optimizing warehouse infrastructure to further enhance efficiency. These improvements are expected to contribute to better service quality and reduced operational costs for PT. Prime Forklift Services.

Keywords: *Warehouse management, ABC classification, inventory optimization, spare parts, efficiency.*

TABLE OF CONTENTS

PANEL OF EXAMINER APPROVAL ii
FINPRO ADVISOR ii
RECOMMENDATION LETTER iii
STATEMENT OF ORIGINALITY iv
SCIENTIFIC PUBLICATION APPROVAL FOR v
ACADEMIC INTEREST v
ADVISOR APPROVAL FOR vi
JOURNAL/INSTITUTION'S REPOSITORY vi
SIMILARITY CHECKING RESULT viii
AI BASED PLAGIARISM CHECKING RESULT ix
ABSTRACT x
ACKNOWLEDGEMENT xi
TABLE OF CONTENTS xii
LIST OF TABLE xv
LIST OF FIGURE xvi
LIST OF TERMINOLOGIES xvii
CHAPTER I 0
INTRODUCTION 0
1.1 Problem Background 0
1.2 Problem Statement 1
1.3 Objective 1
1.4 Scope 2
1.5 Assumption 2

1.6 Research Outline 3
CHAPTER II 4
LITERATURE STUDY 4
2.1 Inventory 4
2.2 Warehouse 6
2.3 Warehouse Function 7
2.4 Types of Warehouses 8
2.5 Warehouse Activities 10
2.6 Warehouse Layout 12
2.7 Warehouse Layout Design 13
2.8 Storage Policy 15
2.9 ABC Classification Analysis 18
CHAPTER III 25
RESEARCH METHODOLOGY 25
3.1 Research Objective 26
3.2 Problem Identification 26
3.3 Study of Literature 26
3.4 Data Collection 26
3.5 Data Analysis 27
3.6 Conclusion & Recommendations 28
CHAPTER IV 29
DATA ANALYSIS 29
4.1 Determining the main track area for the repair warehouse 29
4.1.1 Track Width 29
4.1.2 Track Area 29
4.3 Ultility of storage space in a repair warehouse 29

4.4 Classifying Products by ABC Method 30
4.4.1 Class A (Fast Moving) 30
4.4.2 Class B (Medium Moving) 35
4.4.3 Class C (Slow Moving) 40
4.4.4 Determining Product Placement Area with the ABC method 45
4.4.5 Calculation of Displacement Distance with the ABC Method 46
4.4.6 Calculation of displacement distance using the company method 46
4.4.7 Determining Product Placement Area with the ABC method 46
4.4.8 Discussion 47
CHAPTER V CONCLUSION & RECOMMENDATIONS 50
5.1 Conclusion 50
5.2 Recommendations 50
REFERENCE 51
APPENDIX 54

LIST OF TABLE

Table 2.9 Example of Inventory data 19

Table 2.9 Example of Inventory data 20

Table 2.9 Example inventory table 21

Table 2.9 Example inventory table 23

Table 4.4.1 Class A 34

Table 4.4.2 Class B 34

Table 4.4.3 Class C 40

Tabel 4.4.3 Percentage of Products with ABC Method 43

Table 4.4.4 Determining Product Placement Area with the ABC method 46

Table 4.4.6 Product Transfer Distance with ABC Method 45

Table 4.4.6 Product Transfer Distance with the Company Method 46

Table 4.4.7 Determining Product Placement Area with the ABC method 47

Table 4.1.1 Spare Parts Data and Prices 123

Table 4.1.2 Spare parts usage data 123

LIST OF FIGURE

Figure 3.1 Research Methodology 25

Figure 4.4.4 ABC Product Analysis Diagram 44