

**IMPROVE PHYSICAL AVAILABILITY IN PC1250 THROUGH PROPER
MAINTANANCE MANAGEMENT IN CUSTOMER XYZ SEPARI**

By

YUDHISTIRA DIMAS ADIPUTRA
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SWISS GERMAN UNIVERSITY
The Prominence Tower
Jalan Jalur Sutera Barat No. 15, Alam Sutera
Tangerang, Banten 15143 - Indonesia

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STATEMENT BY THE AUTHOR

I hereby declare that this submission is my own work and to the best of my knowledge, it contains no material previously published or written by another person, nor material which to a substantial extent has been accepted for the award of any other degree or diploma at any educational institution, except where due acknowledgement is made in the thesis.

Yudhistira Dimas Adiputra

Student



Date 07/02/2024

Approved by:

Prof. Dr. Ir. Henry Nasution, S.T., M.T, IPP

Thesis Advisor



Date 07/02/2024

Dena Hendriana, B.Sc., S.M., Sc.D

Thesis Co-Advisor



Date 07/02/2024

Dr. Ir. Maulahikmah Galinium, S.Kom., M.Sc

Dean

Date 07/02/2024

Yudhistira Dimas Adiputra

ABSTRACT

IMPLEMENTATION OF MARKETING INNOVATION TO INCREASE SALES GROWTH IN THE FORESTRY SECTOR AT HEAVY EQUIPMENT COMPANIES SITE TENGGARONG

By

Yudhistira Dimas Students
Assoc. Prof. Dr. Ir. Henry Nasution, S.T., M.T, IPP
Dena Hendriana, B.Sc., S.M., Sc.D

SWISS GERMAN UNIVERSITY

Improvement is a continuous effort made to develop and improve services, products and processes. PT XYZ as one of the mining contractors also needs improvement to maintain and develop its business. The Komatsu Excavator PC1250-8 unit requires improvement, because the availability target of the unit has not met the target (85%). The method used is Six Steps of Kaizen combined with Pareto and Fishbone diagrams. Pareto chart to get the priority of the problem to be solved first. Through the Pareto diagram, the priority is obtained in overcoming the breakdown of the front axle component of the Komatsu Excavator PC1250-8. Then the root cause of the problem was searched using a fishbone diagram, it was found several maintenance managements that required repair and refresh of the operators. To solve the root of the problem, the stakeholders discussed, and got some improvement activities. Commitment and good cooperation from all lines to carry out improvement activities are the key to the success of improvement. The results of this improvement can increase the availability of the Komatsu Excavator PC1250 unit from 78% to 85%.

Keywords: Improvement, Kaizen, PC1250-8, Pareto, Fishbone.

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DEDICATION

This thesis is my gift to my parents who has educated me with patience.

This thesis is dedicated my beloved wife. she is my inspiration to pursue my master's degree, who encouraged me to pursue my dreams and finish my thesis.

I dedicate this thesis especially to my wife who have given the time with me lost because of my work and college time.

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TABLE OF CONTENTS

	Page
STATEMENT BY THE AUTHOR.....	2
ABSTRACT.....	3
DEDICATION.....	5
ACKNOWLEDGEMENTS.....	6
TABLE OF CONTENTS.....	7
LIST OF FIGURES	9
LIST OF TABLES	10
CHAPTER 1 - INTRODUCTION.....	11
1.1 Background.....	11
1.2 Research Problem.....	14
1.3 Research Objectives	15
1.4 Significance of Study	15
1.5 Research Questions	16
1.6 Hypothesis	16
CHAPTER 2 - LITERATURE REVIEW	17
2.1 Maintenance Management.....	17
2.2 Maintenance Backlog	22
2.3 Maintenance Performance Indicator.....	24
2.3.1 Availability.....	25
2.3.2 MTTR (Mean Time to Repair).....	26
2.3.3 MTTR (Mean Time To Repair).....	26
2.4 Maintenance Planning	26
2.5 Seven Basic Tools of Quality	28
2.5.1 Check Sheet.....	29
2.5.2 Pareto Problem	29
2.5.3 Cause and Effect Diagram.....	30
2.5.4 Histogram Tool.....	32
2.5.5 Control Chart.....	32
2.5.6 Scatter Diagram	33

2.5.7	Flow Charts	34
2.6	Six Steps of Kaizen	35
2.7	W1H (What, Why, When, Who, Where, How).....	35
CHAPTER 3 – RESEARCH METHODS		40
3.1	Materials and Equipment.....	40
3.2	Analytical Method	40
3.3	Problem and Objective	41
3.4	Data Collection & Root Cause Analysis	42
3.5	Creating Potential Solutions	42
3.6	Implementation Plan.....	42
3.7	Implementation.....	42
3.8	Audit Program	42
CHAPTER 4 – RESULTS AND DISCUSSIONS.....		44
4.1	Find the Problem and Objective	44
4.2	Data Analysis.....	45
4.2.1	Data Daily Breakdown PC1250-8.....	47
4.2.2	Pareto Diagram Komatsu Excavator PC1250-8	47
4.3	Potential Solutions.....	51
4.4	Develop an Implementation Plan	52
4.5	Improve (Program Implementation).....	53
4.5.1	People	53
4.5.2	Machine	57
4.5.3	Tools.....	58
4.5.4	Method.....	63
4.6	Check and continuous Plan.....	65
CHAPTER 5 – CONCLUSIONS AND RECOMMENDATIONS		70
5.1	Conclusions	70
5.2	Recommendations	71
GLOSSARY		Error! Bookmark not defined.
REFERENCES		72
CURRICULUM VITAE		75

LIST OF FIGURES

Figures	Page
1. Example of figure placement in your body of thesis and its label.....	11
2. Another example of figure placement in your body of thesis and its label	12
3. Another example of figure placement in your body of thesis and its label	16

LIST OF TABLES

Table	Page
1. Example of table placement in your body of thesis and its label.....	12
2. Another example of table placement in your body of thesis and its label	13
3. Another example of table placement in your body of thesis and its label	14
4. Another example of table placement in your body of thesis and its label	15