

**BUSINESS PROCESS REMODELING TO MINIMIZE DEFECT RATE IN PT.
XYZ, AN ELECTRICAL PANEL BOX MANUFACTURER**

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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.

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ABSTRACT

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High defect rate is a common problem of manufacturing companies and it causes high cost of rework, which leads to high cost of production and uncompetitive selling prices. It is found that the defect rate in PT. XYZ is almost half of the company's production output and PT. XYZ is bound to minimize the number of defect rate. The problem is then founded that there are two most recurring defects that made up more than half of the total production defects. The defects are very costly as the defect must be treated after the finishing process, leading to high selling prices. It is found that the problem does not lie only on the process, but lies further on the business process of PT. XYZ. To minimize the number of defects, an evaluation of the root cause of each defect will evaluate the process thus creating business process remodeling and improvement implementation with the aim to minimize the defect rate. Other supporting tools to minimize the defect rate such as work guidelines and recruitment flowchart is also created. By minimizing the number of defects, then the cost of rework will be minimized and selling prices can be more competitive.

Keywords: Business Process Remodeling, Defects, Electrical Panel Box Manufacturing HFACS, Root Cause Analysis



DEDICATION

I dedicate this thesis to Jesus Christ; my Lord, Savior, and Best Friend.



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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.....	10
LIST OF TABLES.....	13
CHAPTER 1 - INTRODUCTION.....	14
1.1 Background.....	14
1.2 Research Problems.....	14
1.3 Research Objectives.....	15
1.4 Significance of Study.....	15
1.5 Scope and Limitations.....	16
1.6 Research Questions.....	16
1.7 Thesis Organization.....	17
1.8 Thesis Timeline.....	18
CHAPTER 2 - LITERATURE REVIEW.....	20
2.1 Productivity and Defects.....	20
2.2 Lean Manufacturing.....	21
2.2.1 Eight Wastes of Lean.....	21
2.3 Business Process Modeling.....	26
2.4 Business Process Modeling Tools.....	27
2.4.1 Business Process Modeling Notation.....	27
2.4.2 Product Flow Diagram.....	30
2.5 Business Process Improvement.....	30
2.6 Seven Basic Tools of Quality.....	30

2.6.1	Flowchart	31
2.6.2	Ishikawa Diagram	32
2.6.3	Check Sheet	34
2.6.4	Pareto Chart	34
2.6.5	Histogram.....	35
2.6.6	Control Chart	36
2.6.7	Scatter Diagram.....	37
2.7	Human Factor Analysis and Classification System (HFACS)	38
CHAPTER 3 - RESEARCH METHODOLOGY		42
3.1	Methodology Flowchart	42
3.2	Preliminary Study	43
3.2.1	Problem Identification	43
3.2.2	Research Objective	44
3.3	Literature Review	44
3.4	Research Design	45
3.5	Data Collection.....	45
3.6	Data Processing	46
3.7	Data Analysis.....	47
3.7.1	Ishikawa Diagram	47
3.7.2	Human Factor Analysis and Classification System (HFACS).....	48
3.7.3	Business Process Modeling.....	48
3.8	Improvement and Implementation	49
3.9	Evaluation.....	49
3.9.1	Financial Analysis.....	50
3.10	Conclusion and Recommendation	51
CHAPTER 4 - RESULTS AND DISCUSSION		52
4.1	Company Profile.....	52
4.2	Production Process	54
4.2.1	Current Business Process	55

4.2.1	Pre-Production	58
4.2.2	Sheet Metal Working	58
4.2.3	Finishing Process	68
4.3	Problem Identification and Research Design	76
4.4	Defects Identification	77
4.4.1	Cost of Defects.....	84
4.5	Root Cause Analysis.....	88
4.5.1	Root Cause Analysis for Welding Impurities	88
4.5.2	Root Cause Analysis for Scratch Body.....	96
4.6	Proposed Improvements	103
4.6.1	Proposed Improvements for Welding Impurities.....	104
4.6.2	Proposed Improvement for Scratch Body	106
4.7	Evaluation.....	109
4.7.1	Post Evaluation for Welding Impurities.....	114
4.7.2	Post Evaluation for Scratch Body	114
4.7.3	Further Suggestion	115
4.7.4	Financial Analysis.....	116
4.8	Business Process Remodeling	118
4.9	Concluding Remarks	125
CHAPTER 5 - CONCLUSION AND RECOMMENDATION		127
5.1	Conclusion	127
5.2	Recommendations	129
REFERENCES		130
APPENDICES		132
APPENDIX A	WORK GUIDELINE.....	133
APPENDIX B	WELDING TRAINING FLOWCHART.....	141
APPENDIX C	NEW MACHINE BROCHURE	142
APPENDIX D	COST CALCULATION FOR CONCLUDING REMARKS	143
CURRICULUM VITAE.....		144