

**STATISTICAL QUALITY CONTROL IN METAL BASED  
FURNITURE INDUSTRY**

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*Nor Faeza.....(-♥\_♥-)*

## TABLE OF CONTENTS

	<b>Page</b>
<b>ACKNOWLEDGMENTS</b>	iii
<b>TABLE OF CONTENTS</b>	iv
<b>LIST OF FIGURES</b>	vii
<b>LIST OF ABBREVIATIONS</b>	x
<b>ABSTRACT.</b>	xi
<b>ABSTRAK</b>	xii
<b>CHAPTER 1 INTRODUCTION</b>	
1.1 Background	1
1.2 Problem statement	2
1.3 Significance of study	2
1.4 Objectives of study	3
<b>CHAPTER 2 LITERATURE REVIEW</b>	
2.1 Metals	4
2.2 Wastes in furniture industry	5
2.2.1 General description	5
2.2.2 Causes	6
2.2.3 Effects	6
2.3 Statistical fundamentals	7
2.3.1 Statistical thinking	7
2.3.2 Causes do statistics sometimes fail in the workplace	8
2.3.3 Statistical process control	9
2.4 Quality	10
2.4.1 Definition of quality	10
2.4.2 Importance of quality control	11
2.4.3 The tools of quality	11

### **CHAPTER 3 METHODOLOGY**

3.1	Material	14
	3.1.1 Specification of Amada shear machine	14
	3.1.2 Specification of measuring tape	15
3.2	Methods	16
	3.2.1 Collecting data	16
	3.2.2 Experimental design	17
	3.2.3 Diagram for each component	18
	3.2.4 Cutting design	19
	3.2.5 Flowchart for collect data	21
	3.2.6 Preparation process for cutting process	22
	a) Prepared the metal into required standard	22
	b) Setting the machine followed the measurement part of component	22
	c) Cut the component	22
	d) Measured the size of component after cutting	23
	e) Recording of data	23
3.3	Analysis data	23

### **CHAPTER 4 RESULTS AND DISCUSSION**

4.1	Yield of actual plate	25
4.2	Yield of theoretical plate	26
4.3	Yield of waste plate	27
4.4	Percentage of yield used for each component	28
4.5	X and MR chart of back component	29
4.6	X and MR chart of shelving up component	31
4.7	X and MR chart of right phone component	33
4.8	X and MR chart of bottom cover component	35
4.9	X and MR chart of face drawer component	37
4.10	X and MR chart of left side component	39
4.11	X and MR chart of divider component	41
4.12	X and MR chart of left phone component	43
4.13	X and MR chart of right side component	45
4.14	X and MR chart of left shelving component	47

## **ABSTRACT**

### **STATISTICAL QUALITY CONTROL IN METAL BASED FURNITURE INDUSTRY**

The question of the furniture looks so simple on the surface but it becomes very complex when examined closely. Factor of the material used to produce products that are also important aspects. It includes the metal felt. In this project, the furniture is based on the first stage of cutting pieces of metal the size of 2438 x 1220 mm. In the first place a piece based on the size of certain components. The main objective of this project is to increase productivity after knowing the cause or reason. Data is collected and recorded to analyze the waste, its applicable to all 16 components to cut loose, mostly supplied to institutions of higher learning such as UiTM. In addition, it also showed the efficiency of employee performance through a clear implication on the quality of the product. Factors affecting the performance of a work are labor, machinery, materials and environment in which errors of one or more of one will lead to worse performance. The combination of components and also cutting design for each component in terms of wastage gives effects. So, for solve this problem, and how a combination of modifications may be cut to reduce waste and maximize utilization. Maximum use of the surplus would reduce the circumstances in which the metal is stored a long time to create additional value. Bar graphs and pie charts are used to shows the results obtained and crossed X and MR charts are used to analyze the data gathered through performance. In addition, it will also launch the processing of measurement accuracy and save time and help to increase sales or income of the company and the industry.