



**THE EFFECTIVENESS OF SIX SIGMA METHOD IN  
MANUFACTURING COMPANY**

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## **ABSTRACT**

Final project is part of our course, structure that needs to be taken to complete our diploma, by a student that is in the final years. This project has been required to finish in two semesters, the main propose that all mechanical student have to take this course is to give us opportunity to test our skill and to gather all the knowledge that we have been studying for this few years. From this kind of course, we can figure out the best way to improve our knowledge for the purpose of using in the future.

Nowadays, many industries have to use any methods or trends to control their quality of product. The latest trend is six sigma. Six sigma is one of the trends to control and reduce the defect in production of quality. So we choose this project because it is important to exposure to diploma student. Six sigma is capitalizes on employee involvement – reduce eight form of waste. It enables entire company to problem solve. From this, it can help the company to achieve their goals in production system. The important things, six sigma is a waste reduction, customer focused, and business results oriented improvement program.

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# **CHAPTER 1**

## **INTRODUCTION**

Mara university of Technology branches Pulau Pinang is one of an engineering campus in Malaysia. In completing the diploma level of qualification, every student has is obligated to make final project. This final project is includes in the list of the final year subjects that all the student must take. As completing the diploma we choose to make the final project in the form of researching. The research that we are going to do is the “ The Effectiveness of Six Sigma in Manufacturing Company”.

### **1.1 Background of project**

A story from our early knowledge and information implementing of Six Sigma illustrates how this new approach to business impacts the very habits that drive the organization of some company to organization of some company to make sure the quality system can help them save millions of dollars and keep their customer satisfied.

The Six sigma is the step of us to get more knowledge and information of implementing some project by grouping. This the one ways for Diploma’s Students