



FINAL YEAR PROJECT REPORT

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**SOLVING PROBLEMS OF PRODUCTION PROCESS.
A CASE STUDY IN A BATTERY MAKING FACTORY**

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ABSTRACT

This project presents analysis of problem solving of production process in a battery making factory. A case study selected was in Century Battery (M) Sdn. Bhd., in Petaling Jaya.

This study concentrated on techniques to overcome the problems of in their production process namely: Plate Shedding, Plate Cutting And Lug Cleaning, Tank Deformation and Plant Layout.

Projek ini adalah analisis penyelesaian masalah dalam proses
produksi dalam satu syarikat baterai yang
menghasilkan 12000 12 volt yang ada di
Projek ini juga menganalisis permasalahan dan
pembuatan model bagi syarikat yang berkaitan
dan pengetahuan yang akan diperolehi untuk yang
dibuat.

Projek ini juga menitik beratkan kepada
sari kesimpulan.

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1.0 OBJECTIVES

There are three main objectives in doing this project. The objectives are:

1. to overcome the problems which affect the quality and quantity of products.
2. to observe the flow of the production process to overcome bottle neck.
3. to propose a plant layout in order to efficient production process, and reduce cost of production.
4. To analyse the effects of poisonous materials to the environment by considering the safety and health of workers.

1.1 PRODUCTION PROBLEMS

In this project we are given to the problems which are listed below:

1. Plate Manufacture:

The major problem is plate shedding, which means that the separating of active materials from the positive plate during operation. To overcome this problem we should control the weight of paste plates. This wet paste weight varies according to the plate types and it is determined by correcting the moisture content and also specified the correct paste mixing formulation.

2. Plate Cutting and Lug Cleaning:

In this section the problem is seriously cracking of plate (side end) after through the cutting process. This is due to the wear of the plate