

DESIGN OF A RECYCLE BIN TIN CAN CRUSHER

MUHAMMAD HANIS BIN MUHAMMAD ZULKIFLI

A report submitted in partial fulfillment of the requirements
for the award of the degree of
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SUPERVISOR'S DECLARATION

We hereby declare that we have checked this project and in our opinion this project is satisfactory in terms of scope and quality for the award of the degree of Diploma of Mechanical Engineering

Signature :

Name of Supervisor: Mr. Muhammad Ammar Bin Nik Mu'tasim

Position :

Date :

AUTHOR'S DECLARATION

I hereby declare that the work in this thesis is my own except for quotations and summaries which have been duly acknowledged. The thesis has not been accepted for any degree and is not concurrently submitted for award of other degree.

Signature :

Name : Muhammad Hanis Bin Muhammad Zulkifli

ID Number:

Date :

To my beloved family

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ABSTRACT

The study of manufacturing was very important in order to carried out this project to ensure that student understand on what are needs to do. This project is about designing and fabricating the Recycle Bin Tin Can Crusher to helps people easy to crush the tin and bring anywhere. This project involves the process of designing the crusher using considering forces and ergonomic factor for people to use. After the design has complete, it was transformed to its real product where the design is used for guideline. These projects also require ensuring the safety for indeed of publishing. Methods and process involve in this project for instance joining using bending, welding, drilling, and cutting process. This project is mainly about generating a new concept of tin can crusher that would make easier to bring anywhere and easier to crush the tin. After all process had been done, this crusher may help us to understand the fabrication and designing process that involve in this project.

ASBTRAK

Pembelajaran mengenai pembuatan adalah penting untuk menjalankan projek ini bagi memastikan pelajar memahami tentang perkara yang perlu dilakukan. Projek ini adalah mengenai merekabentuk dan membuat Alat Pengemek Tin Kitar Semula bagi memberi kemudahan kepada pengguna untuk membawa kemana-mana sahaja dan mudah mengemekkan tin. Projek ini melibatkan proses mereka pengemek tersebut berdasarkan daya dan ergonomik bagi memudahkan pengguna untuk menngunakannya. Selepas proses ini siap, pengemek tersebut dihasilkan berdasarkan reka bentuk yang telah dibuat. Projek ini juga melibatkan ciri-ciri keselamatan bagi pengguna untuk tujuan pemasaran. Kaedah dan proses yang terlibat dalam projek ini bagi penyambungan segera menggunakan proses melipat, menebuk, kimpalan dan memotong. Projek ini sebenarnya melibatkan proses menjana konsep baru dalam menghasilkan pengemek tin kitar semula dan memudahkan untuk mengemekkan tin serta mudah dibawa kemana-mana. Selepas semua projek ini siap, pengemek ina akan membantu kita tentang pemahaman proses merekabentuk dan penghasilan yang terlibat dalam projek ini.

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