

UNIVERSITI TEKNOLOGI MARA

**DESIGN, ANALYSIS AND
FABRICATION OF IRON CLOTHES**

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Dissertation submitted in partial fulfillment
of the requirements for the degree of
Diploma
(Mechanical Engineering)

College of Engineering

February 2022

ABSTRACT

The project is about innovating iron clothes into a device that will make ironing clothes much easier. By the use of this device with the steaming process, it can reduce time spent on ironing clothes and reduce the amount of energy used during the ironing process. It also produces the desired result with smooth and appealing clothes, reducing the number of injuries and costs during the ironing process. The project will be analyzed about the material used, the function of the device, and the outcome from the invention of the product. To conclude, the project summarizes how the development of a product can be innovated into something that can be very beneficial to people in their daily lives.

ACKNOWLEDGEMENT

I like to express my gratitude towards everyone that takes part in my final year project indirectly or directly participation. Thank you very much to my supervisor, Sir Mohd Noor Halmy Ab Latif that help me out to make the project successful. All the teaching and advice are much appreciated which lead me to brainstorm ideas and be a more hardworking person.

I also do not forget to thank my family that gives much cooperation such as accompanying me to buy the project things and always being there for me to make sure that I am not giving up. My friends also have been greatly helpful, we always support each other and remind one another about the things that need to do so we did not miss things. Lecturers and panels also guide me to know the process of the final year project, I cannot thank you enough. Lots of appreciation and respect to all of you.

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CHAPTER ONE

INTRODUCTION

1.1 Background of Study

A clothes iron is essential for human living to make their life finer and be more confident about their appearance when going outside to meet people by looking neat, fresh as well as clean with the clothes on. However, clothes iron require people to use an effort to iron their clothes. Imagine if there is an event and one person needs to iron many clothes, it just drains their energy. This situation has created difficulties for people. Besides that, they also find it hard to iron their clothes as the result is still wrinkle in certain parts, time consuming, drain their energy, get injured and lost of properties. Because these problems occur, the machine is being invented.

From the machine, people just need to put the clothes inside and it will produce hot steam. The user will set time and the machine will work itself. When the steaming process is done, the machine will produce a sound to notify the user. Therefore, the machine will ironing people's clothes without energy and time waste, produces an appealing result, the clothes are in good condition after been steamed and reduces injury.

The machine is inspired by the luggage bag and drawer design concept that is simple but effective. The fabrication process involves are cutting and sealing. This machine will use the main material which is canvas that is heat resistant and waterproof provided with fragrant to make the clothes smell good. It is trusted to solve the difficulties that happen if the machine was being developed.

1.2 Problem Statement

Ironing clothes might be an everyday task for some people. Ironing clothes might sound easy and simple as people switch on the iron, setting the temperature and start ironing process. However, it is more than meets the eye. There are still some difficulties faced by the users during the process. After done researching and doing a survey, there are many problems that are being identified.