UNIVERSITI TEKNOLOGI MARA

DEVELOPMENT OF A PROTOTYPE STEAM CLOSET

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ABSTRACT

People frequently iron their clothes before heading to work, school, or an event, especially after washing them. People would become tired of making the same processes, such as washing, cleaning, and ironing, because they take a lot of time, after having done so for millennia. From this procedure, they merged the three procedures into a single steam-operated machine that can clean, dry, and remove wrinkles. This solution's goal is to shorten the loop's execution duration. Steam has the ability to simultaneously clean and iron a piece of clothing. This initiative will put more focus on domestic issues like family life so that people may be ready for other things in the meantime. My objective for this project is to design a machine to save time during clothes cleaning and fabricate an affordable and reduce the space needed for the machine in the household.

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CHAPTER ONE
INTRODUCTION

1.1 Background of Study

Nowadays, iron has been used worldwide to remove wrinkles from cloth. The first electric iron was invented by Henry W. Seeley in 1882 by at New York City. Depending on the kind of cloth and the substance in it, an electric iron is heated to a temperature between 180 and 220 °C. Ironing breaks the connections that hold the long-chain polymer molecules in the fabric's fibres together. The weight of the iron straightens the fibre when the molecules are heated.

An individual spends on average two hours every week ironing their clothing. That amounts to around twenty minutes every day. The number of hours spent on this task is probably going to increase if a home has two people or more, children, and other household members. A lot of time and effort will be expended in the preparation procedure for a pair of clothes.

Use of a steam iron, which will refresh the fabric and eliminate wrinkles simultaneously, is the current answer to this issue. The issue with the existing technique is that the user must continue to move the iron across the fabric's surface.

The automatic steam cleaner for garments may be created and improved by merging those deodorising, drying, and ironing processes. The aim of this project is to produce an automatic dry cleaner fabric machine that will deodorize, dry and remove any wrinkles. The purpose of a clothes steam cleaneris to enable any family to prepare their clothes more quickly and affordably, regardless of whether the clothing is worn often or has been stored in the wardrobe for a long time.