UNIVERSITI TEKNOLOGI MARA
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MEC299

DESIGN AND FABRICATION OF CLOTH FOLDING MACHINE

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ABSTRACT

As mankind gets more technologically evolved, so does the desire for more inventive products that can save time and energy to be produced. Many individuals become fatigued and indifferent about folding their clothes after washing and drying, one of the reasons might be because they are too busy or have a tight schedule and that makes them not have enough time to do so. A cloth folding machine is an indispensable tool that aims to save more time and energy. Using this machine can help to save more time and energy. Clothing folding machines were created to help with one of the most common household chores: folding clothes. This project of cloth folding machines is very helpful to society. It makes people's life more convenient and less struggling. The goal of this project is to use CAD software to fabricate a time-saving cloth folding machine. Manufacturing methods such as drilling, welding, and others will be employed to meet the objectives of this project. The proposed design for this compact cloth folding machine is, it is divided into two sections, with each folding board will be connected by an adjustable connection. This design is preferred since it saves more time because it can fold up to two clothes at once. Furthermore, to move this machine, the user merely needs to pull the handle so that, both of the folding boards start folding. In a conclusion, multiple trials and errors in designing and fabricating are required and possibly going to occur to obtain the perfect product that complies with all of the project's objectives.

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INTRODUCTION

1.1 PROJECT BACKGROUND

Along with time, today's technology is more advanced and sophisticated than ever before. Compared to the past, the use of technology nowadays is higher because most people today have their responsibilities, and this causes them to rely on the use of technology to facilitate their daily affairs(1). Despite gender differences, household chores have been a hassle for many. Depending on the number of garments, manually folding them may take longer. It can be exhausting and burdensome for some people, especially those with a highly busy schedule and a lot of commitment as shown in. Thus, cloth folding machines are extremely beneficial to society since it makes people's lives more convenient and less struggling, particularly for those who have a hectic schedule and do not have time to perform chores.

This project aims to design a cloth folding machine that is adjustable (portable) and can work effectively by folding at least two clothes at a time. In the hope that it can be marketed in the market and can be used on daily basis by users. It will be more efficient if the machine can fold up to two clothes at a time since it can save up more time compared to folding clothing at a time.Its adjustable figure and design will be easier for users to store and move this machine around. Aside from its size and ability to save more time, the cost of owning this machine should be inexpensive for more people to acquire.