



**UNIVERSITI TEKNOLOGI MARA  
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**MEC299**

**FABRICATION OF HIDDEN  
PORTABLE IRON BOARD**

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## **ABSTRACT**

Ironing board is a common thing that been used in human daily life especially for tidying up the wrinkled clothes . However, not every iron board can bring it anywhere and easy to store due to its height, width, weight and stiffness when used. This will be a major problem for individuals, particularly those who live in homes or crowded places with limited space. This project aim to create a iron board with a folding system, generally known as a miniature foldable iron board. This product will be equipped with a folding technology that allow for significant time savings . In addition, making it as a hidden can save spaces.

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# **CHAPTER 1**

## **INTRODUCTION**

### **1.0 INTRODUCTION**

#### **1.1 BACKGROUND OF STUDY**

There is some issues that individuals deal on a regular basis which is where to put stuff in their house with limited space. Therefore, to solve this problem, there is a need to create simple piece of furniture for user's convenience. For instance, table and chair were created to support the variety of human activities to improve human life. Creative and diverse furniture can be a product of design in future. Furthermore, the material that may be utilized to produced this product include steel, wood, hinge and among others.

Foldable furniture is space-saving that can solve a difficulties for human and it also can fit comfortable in house that have limited space. Foldable iron board will make daily work for humans become easier because with this hinge system, they just only need to pull it down when using it and push it to the wall when they finish used it.

Furthermore, making it hidden also has advantages. This is because it can be placed at anywhere for instance living room, bedroom or laundry room. As a results, it will make the houseorganized.

##### **1.1.1 History of 'Iron Board'**

In 1892 , There was a woman from Africa, named Sarah Boone was made the shape of ironing board is a pioneer of modern folding ironing boards shape with shape narrow, curved, design for convenience metal shirt.