

UNIVERSITI TEKNOLOGI MARA

**DESIGN AND FABRICATION OF A
MINI DISHWASHER**

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ABSTRACT

Dishwashing is a common chore in almost every household. However, this activity will take a lot of time, water, and energy to be completed. Hot water may also help make cleaning dishes much easier and give a cleaner result, but it also dangerous to handle. Because of that, most people will resort to buying a dishwasher as it is faster and can handle the hot water. Even so the dishwasher in the market is expensive because of its complexity and large size. Thus, this project aims to cut those cost while also providing a clean, effective, and fast dishwashing process. This could be achieved by creating a machine with basic function that is enough to get those results from the process using affordable material and components. As a result, the machine will be a great addition to a household with a low cost to be bought with a lower cost.

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CHAPTER TWO

LITERATURE REVIEW

2.1 Benchmarking/comparison with available products

2.1.1 Available types of dishwashers in the market.

2.1.1.1 Compact Dishwasher

The first type of dishwasher is a compact dishwasher, it is a dishwasher with a small size and a small dish capacity which is suitable for small household. Its small size allows it to be put on top of a kitchen cabinet or counter to save space. The image of a model of compact dishwasher is inserted as Figure 2.1 and the information on it is explained in Table 2.1[1].



Figure 2.1 An example of a compact dishwasher