UNIVERSITI TEKNOLOGI MARA

DESIGN AND FABRICATION OF AUTOMATIC KNIFE SHARPENER

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ABSTRACT

Most problem occurs when people try to sharpen their knife is that it will take them so much time to do it. Furthermore, they will not be able to do other things when they were sharpening their knife which is really inconvenient. The aim of this machine is help people save their time sharpening knife and also let them do other stuff while their knife is being sharpen. This project will be efficient for time saving because the machine is automatic. In conclusion, this automatic knife sharpening machine will be convenient to people as it will save them so much time.

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CHAPTER ONE
INTRODUCTION

1.1   Background of Study

Automatic machine is one that uses a power transmission that is controlled by an automated system. It is one of the simple and useful mechanisms that assist people in performing activities, particularly those that require force or a heavy weight. People used to do a lot of heavy lifting on their own, even if it required strenuous physical effort that was beyond their capacity. [1] Other issues include the fact that it causes even the simplest chores to take a long time to be done.

Over the years, there are many types of automatic machine that have been invented with various type of purpose. As an example, every home must have a knife in the kitchen as it is one of the basic cutleries needed. [1] As time pass by, the knife will be blunt as it been used. This is where knife sharpener takes an important role in order to keep the knife sharp after is has been used for a certain amount of time. But knife sharpener has its own weakness as it is time consuming and also require human energy to be used.[1] Other than that, it also has risk of being injured as user sharpen their knife. This automatic knife sharpening machine is on the other hand is more efficient as user do not need to use their energy and lower the risk of themselves getting injured.

These days, an automatic machine is very useful. Sharpening knife need a huge amount of work and time as people use their own hand and a knife sharpener which is very inconvenient. Therefore, an automatic knife sharpener machine will be very advantageous for people.