

UNIVERSITI TEKNOLOGI MARA

**DESIGNING AND FABRICATING OF
SLIDING GRINDER TABLE
(SLINDEBLE)**

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ABSTRACT

The sliding grinder table or slindeble is a device that change the overview of using a grinder. The device offers a more relaxing and easier to handle experience to the user. In comparison with a normal grinder, slindeble is way more user friendly as it gives ease to user and can do the same job as the normal grinder but a little bit faster and easier. This device was design for user that feel tired of the vibration and the sparks from a normal grinder as it offers a more comfortable way to hold a grinder and protection from the spark. The holder for slindeble is a little bit far compared to normal grinder that allows user to not be very close to the grinder itself. The slindeble is expected to be widely use and will become a new way to use a grinder.

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CHAPTER ONE

INTRODUCTION

1.1 Background of Study

Nowadays, grinders have been a must use tool whether in education stage, light industries, and heavy industries. The existing grinder which are commonly use in any fabrication nowadays is simply easy to use but not as practical to use for everyone. The traditional grinder did not provide the proper protection and comfort for the user. The existing grinder do not offer the best protection against accident or injuries toward consumer.

The products that were trying to be introduced will basically provide the same function and result as a normal grinder but with a better protection and practicality towards doing the work. The study about this product will be focusing more on improvement in the way of safety with its own unique safety features. This product will be using aluminium for the structural frame to hold the grinder in place.

The reason for that is aluminium are a highly durable metal and can be 100% recyclable without to worry about the age of the aluminium. Aluminium is also light as it is lighter than most metal. It will be the main advantage for the weight factor of the product.