

# MIIEx2017

Melaka  
International  
Intellectual  
Exposition

## PROGRAMME ABSTRACT

AUTISM

INNOVATION

DESIGN

INVENTION

**“Bridging Gaps with Creativity for Future Sustainability”**

# MIIEX2017



"Bridging the Gaps with Creativity for Future Sustainability"

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## DESIGN AND INNOVATION OF CHUCK FOR LATHE MACHINE

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POLITEKNIK MELAKA

### Abstract

Nowadays, many high technology machine, mechanical devices, and modern mechanical processes exist to create better product and produce it instantly. Lathe machine is one of the machine that create mechanical parts instantly. Even lathe machine is conventional machine but it is the basic process need to know in the educational field. One of the part of lathe machine is chuck. Its function use to hold the workpiece. The constraint of the existing chuck is it cannot cut workpiece that has length of less than 40 mm. the cutter will collide with the existing chuck. Due to this problem, mini chuck are proposed to overcome the problem of cutting workpiece that has length of less than 40 mm. Mini chuck are used on a lathe machine to hold the workpiece that has length of less than 40 mm with minimum diameter of 20 mm and maximum diameter of 50 mm. Mini chuck is designed for ease of installation without need to change the existing chuck at lathe machine. It only need to be attached at existing chuck and can be used instantly. As a result, mini chuck can help the worker in workshop to perform better job while used lathe machine.

### INFOZY

Muhamad Fikri Bin Sanusi, Muizzuddin Bin Sharif, Nuraida Idora Bt M. Ramlee, Noreen Natasha Binti Marhalim, Shahreena Binti Daud, & Ahmad Syaifulizan Bin Zulkeefly

UITM BANDARAYA MELAKA

### Abstract

The advancement in technology nowadays has risen for which it has led many people to use applications on their phone to make their life easier. It has been proven that technology help many people in making their daily routine become more organise and easy to do. A mobile app is a software application developed specifically for use on small, wireless computing devices, such as smartphones and tablets, rather than desktop or laptop computers. In the era of globalization, many industries have been using mobile application to promote their business to make a profit. Regarding on that, InfoZy has been created to help the user to reach a certain places for a specific purposes. The concept of InfoZy is originated from TrivaGo. Despite that, InfoZy is differ with others application as it combine the three categories in one application such as real property, money changer and pawn broking in order to cater a certain problem with the information that will provided to the user. Definitely the existing of InfoZy for sure will attract many established company because of the uniqueness of InfoZy interms of its combination is never existed.