

**UNIVERSITI TEKNOLOGI MARA**

**DESIGN AND FABRICATION OF  
BICYCLE ROLLER TRAINER  
INDOOR CYCLING**

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**Diploma**

**January 2022**

## **ACKNOWLEDGEMENT**

First and foremost, I want to express my gratitude to God for providing me with the chance to pursue my diploma and for successfully completing this long and difficult road. Mr. MOHAMAD RIDZUAN BIN MOHAMED RASHID, my supervisor, deserves my gratitude and thanks. Finally, I dedicate this dissertation to my father and mother, who had the foresight and desire to educate me. This triumphant piece is dedicated to you both. Alhamdulillah.

## **ABSTRACT**

This project aims to discover and learn the development of a bicycle roller using the SolidWorks 2019 to CAD modelling the project. This will be the learning process to study about the details of structure analysis of the bicycle roller main component by using SolidWorks 2019 simulation. Our proposed in this project is to develop CAD modelling the design of bicycle roller trainer, study on structure analysis of bicycle roller trainer main body frame using SolidWorks simulation. We will use SolidWorks for product design. This product design will be use as a basic guideline for new product manufacturer. This project also can help cyclist society in training requirement. In this project will includes the flowchart of the project, brainstorming ideas and planning schedule to complete the project flows. This project is expected to have a positive impact and can be achieved through the stated objectives.

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