

**UNIVERSITI TEKNOLOGI MARA**

**GLOBAL WARMING INDICATOR DASHBOARD**

**MOHAMMAD ASRIE RAFIZIE BIN MOHAMAD APINI**

**BACHELOR OF INFORMATION TECHNOLOGY (Hons)**

**JULY 2022**

**Universiti Teknologi MARA**

**Global Warming Indicator Dashboard**

**Mohammad Asrie Rafizie Bin Mohamad Apini**

**Thesis submitted in fulfilment of the requirements for Bachelor of  
Information Technology (Hons)  
Faculty of Computer and Mathematical Sciences**

**July 2022**

# **SUPERVISOR'S APPROVAL**

## **GLOBAL WARMING INDICATOR DASHBOARD**

**By**

**MOHAMMAD ASRIE RAFIZIE BIN MOHAMAD APINI  
2019219674**

This thesis was prepared under the supervision of the project supervisor, Dr. Norfiza binti Ibrahim. It was submitted to the Faculty of Computer and Mathematical Sciences and was accepted in partial fulfilment of the requirements for the degree of Bachelor of Information Technology (Hons.)

Approved by

-----  
DR NORFIZA BINTI IBRAHIM  
Project Supervisor

(July 17 2022)

## **STUDENT DECLARATION**

I certify that this thesis and the project to which it refers is the product of my own work and that any idea or quotation from the work of other people, published or otherwise are fully acknowledged in accordance with the standard referring practices of the discipline.

.....  
MOHAMMAD ASRIE RAFIZIE BIN MOHAMAD APINI  
2019219674

July 14, 2022

## **ABSTRACT**

Global warming is a silent threat to the Earth, flora and fauna, and humans due to its slow effect on the global average temperature. Even though global warming has been an issue for a long time, some people do not believe that global warming is a real phenomenon or just have been ignorant toward any global warming issues. The objectives of this study are to create a dashboard and spread awareness about global warming to the public so that the public have awareness in reducing global warming by starting to take care of the environment. The research process that was used in this study has four phases which are Planning, Analysis, Development and Testing. In the Testing Phase, the participant will participate in User Acceptance Testing to gain the opinion of the dashboard's users. User Acceptance Test has collected 50 responses from 50 different participants to answer the Perceived Ease of Use (PEU), Perceived Usefulness (PU), Attitude(ATT) and Intention of Use (IU). Feedback from the participants was used to create a refinement for the Global Warming Indicator Dashboard. The result of this refinement is a much more user friendly where the user who can't understand English language can still use the Global Warming Indicator Dashboard. There are also some recommendations of the project as tips for the next researcher who want to continue this study.