

**A DASHBOARD OF POPULATIONS AND TOURISTS FOR
YEAR 2019 - 2022 IN MALAYSIA USING GIS APPLICATION**

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**FINAL YEAR PROJECT REPORT SUBMITTED IN
PARTIAL FULFILMENT OF THE REQUIREMENTS
FOR THE DIPLOMA IN GEOSPATIAL TECHNOLOGY
IN THE COLLEGE OF BUILT ENVIRONMENT
UNIVERSITI TEKNOLOGI MARA**

JULY 2024

ABSTRACT

A Dashboard of Populations and Tourists for Year 2019 - 2022 in Malaysia Using GIS Application

"A Dashboard of Populations and Tourists for Year 2019 - 2022 in Malaysia Using GIS Application," the project's final year title, presents an interactive and thorough dashboard created with ArcGIS Pro and ArcGIS Dashboards. The study addresses the challenges of scattered and inaccessible data related to population density and tourist influx across various states in Malaysia from 2019 to 2022. The project improves data visualization and analytical skills, enabling improved decision-making for sustainable development and urban planning, by combining both non-spatial and spatial data into one intuitive dashboard. The dashboard provides academics, students, and stakeholders with useful insights by fusing spatial data with demographic and tourism statistics. This study makes a substantial contribution to the field of geographic information systems by highlighting the usefulness of GIS in demography and tourist research and encouraging data-driven decision-making.

ACKNOWLEDGEMENTS

We would like to say a big thank you to everyone who participated in making this final year project titled "A Dashboard of Populations and Tourists for Year 2019-2022 in Malaysia Using GIS Application" a success. Various challenges and obstacles we successfully overcame with the help and guidance of those who have been involved.

First and foremost, we would like to sincerely thank our beloved supervisor, Dr. Gs. Munirah binti Radin Mohd Mokhtar, for her constant leadership, perceptive criticism, and helpful direction during the project. Her knowledge and guidance had a big impact on our research direction and results.

We greatly appreciate the support, understanding, and trust our parents have given us to give the best in our academics. We are very grateful for their sacrifices to support and understand the busyness of completing this project. The support they have given has been a source of inspiration for both of us.

Then, don't forget to thank our friends for their involvement and help, which is very valuable and very valuable in the completion phase of this project. They engaged in fruitful discussions and gave us very useful advice. The enthusiasm they have given can further increase our confidence in completing this project so that it succeeds.

Finally, we thank to ourselves for our commitment, tenacity, and resolve, which allowed us to start and finish this research project. This study would not have been possible without the combined efforts of all those already mentioned. We have the utmost gratitude for the cooperative attitude and common journey that defined this endeavour.

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CHAPTER 1

INTRODUCTION

1.1 Background of Study

Over the past few decades, the population in Malaysia has increased and experienced rapid growth. According to the Department of Statistics Malaysia (DOSM), the population in Malaysia has increased significantly from 10.4 million in 1970 to 33.4 million in 2023. Part of the main cause of population increase and growth is the high birth rate and increased life expectancy. In addition, society in Malaysia also has races and communities consisting of various backgrounds including Malays, Chinese, Indians and various indigenous groups.

Tourists in the tourism industry are an important factor that can affect the economic growth of countries including Malaysia. The number of tourists has a significant positive effect on economic growth and the hypothesis of growth led by tourism is accepted in Malaysia (Ayob et. el, 2018).

This study aims to identify areas of high population density and the capacity of tourists coming to Malaysia from around 2019 until 2022. This study will also produce comprehensive data by making the data in the form