

**FLORAIX: DEVELOPMENT OF AN APPLICATION OF FLORA HABITAT
NAVIGATION SYSTEM IN PERAK (FLORAIX)**

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ABSTRACT

Flora Habitat Navigation Application System in Perak

The Flora Habitat Navigation Application for Perak is a unique technology for the improvement of the area's flora and fauna discovering and preserving. Using state-of-the-art geospatial tools and real time collaborative data processing. This application offers maps, plant species descriptions and habitat overviews for Perak's specific ecological regions. This application integrates Google Maps to provide users with accurate and intuitive route guidance to key flora-rich areas across Perak. By leveraging the robust mapping capabilities of Google Maps, users can easily find and navigate various plant habitats, ensuring a user-friendly experience for both casual explorers and researchers. Through GPS, users can easily move through various types of environments filled with plant life. They can learn about native and endangered plants, as well as their functions in the ecosystem and preservation status by using the application. This tool is expected to create more awareness on flora in Perak, encourage environmental conservation and help those who just love nature and botanists in their research and projects of the vegetation in the region.

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CHAPTER 1

INTRODUCTION

1.1 Background of Study:

In today's modern age of globalization, technological capabilities are occasionally expanding. From a different perspective, using contemporary technology such as smartphones and a large internet network in Malaysia is one of the primary pillars in the growth of the era of renewed modernity and keeping up with current amenities. The Flora Habitat Apps program aims to map the location of plant life in the research region. Perak, a state on Peninsular Malaysia's west coast, was used as an example. It is well-known for its unusually diversified and abundant flora habitat. Perak's scenery ranges from beautiful lowland rainforests to mist-filled highland forests. is a haven for a variety of plant species. Among them, there is a threat that is often talked about in the current era of modernization, mostly the occurrence of human activities such as logging, the greenhouse effect and so on that increasingly affects the life of flora growth in Malaysia. Among them are Orchid flower trees with the speed of plants amounting to about 350 species including those types of trees. As evidenced by Malaysian forestry, there are significant limitations in quantifying the variance in the impact of disturbance on