

**UNIVERSITI TEKNOLOGI MARA**

**VISUALIZING UNDERPRIVILEGE HOTSPOTS  
IN KELANTAN**

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**BACHELOR OF INFORMATION TECHNOLOGY (Hons)**

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## **SUPERVISOR'S APPROVAL**

### **VISUALIZING UNDERPRIVILEGE HOTSPOTS IN KELANTAN**

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This research proposal was prepared under the supervision of the project supervisor, Dr Shukor Sanim bin Mohd Fauzi. 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.).

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## **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.

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## **ABSTRACT**

Despite Malaysia's phenomenal economic growth and fantastic progress in reducing poverty, pockets of poverty still exist in some areas. When macro data is insufficient to provide explicit knowledge of the existence of poverty, micro data can be used to investigate pockets of poverty. This research identifies pockets of poverty throughout the East States in Malaysia. The state of Kelantan was chosen for this investigation. This paper aims to identify the suitable classification techniques for visualizing the accuracy of underprivileged hotspots in Kelantan, develop the suitable classification techniques and visualize the output of visualization of underprivileged hotspots in Kelantan on the Choropleth map. This study's findings will aid public and charitable organizations in locating underprivileged families in Kelantan. The Majlis Agama Islam Kelantan (MAIK) data is used in this study. These findings are critical for generating suitable policy orientation in addressing poverty by focusing on the right group. The Hotspot Analysis Tools Technique was used in this study to offer the visualization of Kelantan's Underprivilege Hotspots.

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