

**MULTI-CRITERIA ANALYSIS FOR SECONDARY SCHOOL SITE  
SELECTION IN BERTAM, GUA MUSANG,  
KELANTAN.**

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## **ABSTRACT**

This project explores the suitability of a potential site to establish a secondary school in Gua Musang, Kelantan, Malaysia. Using ArcGIS Pro software and the tools found in it made this project successfully completed. This study also evaluates various criteria including safety, demographic suitability and so on. Data collected from PlanKelantan and analysis done to identify optimal locations that meet educational standards and community needs. This finding aims to provide an overview of effective site selection strategies for the development of educational infrastructure in rural areas, emphasizing the importance of strategic planning and community involvement in improving educational opportunities and infrastructure in Bertam, Gua Musang, Kelantan.

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## **CHAPTER 1**

### **INTRODUCTION**

#### **1.0 Introduction**

According to (Merriam-Webster dictionary,2024) state that school is a place to teaching or training a specific knowledge or potential. Nowadays, to get good education is a basic human right, yet for many rural residents, the issue right is unattainable. Nowadays many children around the world struggle with significant educational challenges caused by geographic isolation, insufficient resources, and systemic neglect. At the heart of these rural communities is a critical need for educational infrastructure that not only gives access to information but also acts as a catalyst for empowerment and social change. Other than that, building a school in rural areas gives children who would otherwise have limited access to education an opportunity to learn and grow. It eliminates distance and transit restrictions, allowing remote areas to access education more easily. Kg Gua Musang, a stunning town situated has difficulty in obtaining a proper education. Education also contributes significantly to the development of social and cultural values that are important to maintain community harmony. Values such as tolerance, respect, and responsibility are taught and practiced through an efficient education system. This forms a solid foundation for the growth of a viable and inclusive society. This