IMPLEMENTATION OF A WEB-BASED GEOGRAPHIC INFORMATION SYSTEM FOR LAND LAY MAPPING IN KAJEN VILLAGE

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ABSTRACT

The Kajen Village Office is tasked with managing development and community services in Kajen Village. One of the tasks of the Kajen Village office is to process land data in the Kajen Village area. Ongoing data processing is carried out by handwriting in the Letter C book. Land information in the Letter C book is identified by the parcel number and owner's name. The disadvantages of current recording are that there is a higher risk of lost information, searching for information takes longer, and the information provided does not contain the location of the recorded land. The aim of this research is to design and implement a Geographic Mapping Information System which will be used as a new system for mapping land-related data. The initial stage carried out is identifying the problem, followed by analyzing system requirements and continuing with designing the system according to needs. Next, the implementation of the system that has been designed ends with black box testing before the system being built is fully used.

Keywords: Information Systems, Geographic Information Systems, Mapping, Letter C