

ABSTRACT

APPLICATION OF THE *ANALYTICAL HIERARCHY PROCESS* (AHP) METHOD IN THE ANALYSIS OF SELECTION OF VILLAGE PORTAL APPLICATIONS AND INFORMATION SYSTEM DEVELOPMENT OF PAPAN REJO VILLAGE

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Papan Rejo Village is a village located in East Abung District, North Lampung Regency. The area of the village is 1705000 Km² with a population of 4001 people divided from 1984 male population and 2017 female population. The obstacle faced is the difficulty in determining what kind of information system is needed by the village. Papan Rejo Village does not yet have an integrated computerized system that can assist village administration activities. The current system is manual recording using paper, then the assistance of Microsoft Word and Microsoft Excel is used to carry out manual recording without a database system that stores data. existing data. To overcome the obstacles in the village of Papan Rejo Makan, an analysis of the selection of alternative village portals was carried out using the AHP (Analytical Hierarchy Process) method. This method is used to find the priority order or ranking of various alternatives in solving problems. Based on the results of the analysis of manual calculations and using the tools that have been carried out, sequentially the highest priority, namely the highest portal criterion is OpenSID with a calculation weight (manual 0.437) and (tools, 0438).

Keywords: AHP, Analysis, Selection of Alternatives, Papan Rejo Village