ABSTRACT

GEOGRAPHIC INFORMATION SYSTEM TOURISM IN BINTAN ISLAND

SELVIA MERIZQI

10107432

Bintan Island is an area that have a lot of variant of object tourism, such as type, shape, or traditional and unique features of the area. The presentation of information in Bintan Island nowadays is still need to developed, because the information about the object tourism is still lacking. The current promotion system is still conventional by providing brochures containing maps and tourist place info that can be obtained at Bintan Island Department of Tourism and Culture.

In the research will make an Geographic Information System (GIS), software analysis model that used is model analysis that the object oriented and tools that used is UML (Unified Modeling Language) in described the functional model and diagrams that used is Use Case Diagram, sequence diagram, activity diagram, state diagram, and table schema. The program language which is used for make this program is Php and MySQL helped by Adobe Dreamweaver and Xampp.

Geographic information system application are expected to be a wider media promotion, facilitated the tourists in search the tourism location information because it can be accessed by website also facilitated on the routing. After going through the phases of developed method chosen so the implantation of geographic information system has the follow-up testing system consisting of alpha testing where the test used black box testing that focus on functional requirement and beta testing is field test by giving questionnaire for web visitors which the questions are refers to the final destination. After the alpha and beta test, it can be conclude that the functional system can produced the expected output, with a good website appearance and provide convenience to the user in data processing.

Keywords : Geographic Information system, information on tourism, media promotion