

ABSTRACT

Tourism in the Kawasan Sinai-Merauke, South Papua, despite having enormous potential, still lacks maximum promotion. The main obstacle is the lack of information accessible by prospective tourists about various tourist objects in this area. The main problem in the Sinai area regarding tourism is how to develop an effective promotional information system to increase the exposure and attractiveness of the Sinai-Merauke area.

As a solution, the development of a tourism promotion information system based on religious, cultural, and natural tourism is proposed. This system is designed to provide comprehensive and interesting information about the tourism potential in the Kawasan Sinai-Merauke, and is equipped with features such as reservations and payments for visitors and also an admin system for managing tourist information for Sinai area tour managers.

Based on the results of system testing conducted with Alpha testing, Beta testing, Unit testing, and Load testing, it was found that the results of Alpha testing with a total of 81 scenarios were successfully carried out with a success rate of 100%. The results of Beta testing with 30 respondents to each of the 10 statements from each specification yielded average results that each specification was easily found, easy to use, and useful for users (visitors & admin). The results of Load testing on specification 1 concluded that the system can run the system stably and optimally when the threads are 500 with a loop count of 30 and Ramp-up of Periods 10. The error rate that appears under these conditions is 5.85%. The final test, Unit testing, which was carried out on 14 features consisting of 55 functions, was successfully carried out with a success rate of 100%. With these results, the tourism promotion information system can be said to have met the developed specification criteria.

Keywords: Tourism, Promotion, Information System, Website, Sinai Area.