

ABSTRACT

national Park is a place where flora and fauna are protected by the government. Almost all flora and fauna are managed by the Ministry of Environment and Forestry. And visitors to the national park also have a lot of domestic and foreign tourists. In 2016 there were 2,961,331 visitors to the national park, both domestic and foreign visitors. The Ministry of Environment and Forestry still enforces the manual sale of entrance tickets for forest conservation or national parks by following existing national park quotas. And the use of the national park area by the community is quite a lot like the Guaide Tour but it has not been integrated by the ministry.

Seeing that there are so many visitors, and the quota to enter the national park has not been stated with clear information so that visitors who have come from outside the city to come to the national park do not get tickets, as well as the many illegal brokers who take advantage of manual system sales for the sake of the benefits of some elements. Here I want to design an application to enforce online ticket sales and integrate the entire scope of the national park earlier by creating an application with that coverage can very much benefit various parties who use the application.

The application design process uses an agile method with UML (Unified Modeling Language) tools in describing system modeling. UML is known for several diagrams including use case diagrams, activity diagrams, class diagrams, database systems. The programming language used is the PHP programming language using the My Structure Query Language (MySQL) database. The results of the management system design are then tested using Blackbox Testing and ISO 9126.

Applications that will be made are expected to provide convenience and overcome problems that occur in the National Park.

Keywords : Agile Development, UML, System Design, ISO 9126