

ABSTRACT

The Explore Forecast application is a web-based platform designed to provide adaptive travel recommendations based on real-time weather conditions. This application allows tourists to plan their trips better by considering the weather factors that affect the travel experience. By integrating weather data from the OpenWeather API, the application provides current weather information, travel destination recommendations, and features for searching and reviewing tourist spots. Based on the functional and usability testing with 33 respondents, the application demonstrates high effectiveness and usefulness, with user satisfaction reaching 83.93%. The application successfully achieved its development goals to help tourists plan better trips by considering the weather and providing a more personalized and responsive experience to weather changes.

Keywords: tourism recommendation, weather prediction, map-based application, local tourism