

ABSTRACT

The tourism sector has been growth globally post-pandemic, driving an increased need for tourist information. However, tourists still face challenges in accessing relevant and tailored information, especially in the Greater Bandung area. Instead of a lack of information, tourists are faced with an abundance of information from various platforms and social media that make data distribution abundant, complex, and fragmented. This makes it difficult for tourists to determine travel destinations that are relevant to their needs. This research aims to develop a Geographic Information System (GIS)-based tourism information platform that presents contextual data in the form of tourist attractions and supporting facilities in the vicinity, as well as providing recommendation features based on popularity, distance, and weather predictions. The development was conducted using the Extreme Programming method consisting of the planning, design, coding, and testing stages. The results of functional and usability testing show that the system is able to provide an excellent user experience, with an average SUS score of 92.42 from tourists and 91 from tour managers. These results show that the system is well received by both tourists and managers, because it is able to present relevant information, help make tourism decisions, and support the management and promotion of tourist destinations.

Keywords – extreme programming, recommendation features, tourism, geographic information system