

ABSTRACT

The VisitTemajuk website was developed to promote the tourism potential of Temajuk Village in West Kalimantan. However, the previous development lacked a structured Requirement Engineering process, resulting in suboptimal features and content. This study applied a Crowd-Based Requirement Engineering (CBRE) approach to identify and prioritize user requirements inclusively and collaboratively. Data was collected through a questionnaire with 50 respondents and interviews with key stakeholders. The requirements were classified into functional and non-functional categories and analyzed using the MoSCoW prioritization method. A website prototype was developed using ReactJS based on the prioritized requirements and evaluated through moderated usability testing involving five users. The testing results showed that all task scenarios were successfully completed, and the features met user expectations. Some minor suggestions were noted, such as adding Google Maps links and a direct WhatsApp contact button. These findings demonstrate that the CBRE approach effectively delivers a more user-responsive and relevant system that aligns with actual user needs.

Keywords: *crowd-based Requirement Engineering, VisitTemajuk, elicitation, MoSCoW, usability testing*