Abstract

In recent years, many Indonesian libraries have adopted digital libraries. Interviews were conducted with users of 20 EPerpusdikbud (a digital library offered by the Indonesian Ministry of Education and Culture). The results show that readers are always shown pages from the same book. Users manually browse book categories to find books of interest and sort them according to their criteria. They suggest that the app can have a better search and recommendation system. In our research, we proposed an interactive design to help users find and get relevant books suited to user preferences using a book recommender system. The recommendation interaction prototype built in this study uses recommendation criteria based on user preferences, genres, and similar books, and the interaction design uses search and browsing criteria. According to the usability testing in this research, the average task completion rate is 95%. In addition, the results of the user satisfaction questionnaire showed that participants were satisfied with the recommendation system. Compared to the existing EPerpusdikbud digital library, it was found that most of the participants agreed that it was easier to find books that matched their interests by using the proposed recommender system. This helps users save time and find books more efficiently.