

## Abstract

Tourism sector shows increasing contribution for country revenue. One of key factor is convenience to get Indonesia tourism information through internet service such as TripAdvisor and Foursquare. However, recommendation tourism recommendation quality could be increased through recommender system able to recommend tourism destination by taking user's condition into account.

Recommender systems are software tools and technique providing suggestions for item recommendation based on user's needs. To provide relevant item recommendation, recommender system could regard contextual information such as user location and weather.

This final project is written through development and testing of recommender system that uses knowledge-based object model, ontology, as a knowledge representation of tourism domain, then processes user preference towards tourist destinationcategory and contextual information such as user location, weather around tourist destination and tourist destination open time, so that finally generate tourist destination recommendations.

**Keywords:** tourism destination, recommender system, context-aware, knowledge-based, ontology