

Abstract

Recommender system is a system that give recommend item for the user. Item that is used for this problem is recipe. Besides that, the methods is used to make recipe recommender system are Collaborative filtering, Content based filtering, and Hybrid Recommender System. Testing is carried out on the basis of values of precision, recall, and Mean Opinion Score.

Collaborative filtering is used to make recipe recommendation from all user. Content based filtering is used to make recipe recommendation for personal user. Hybrid Recommender system is join the score of both method before, where Collaborative Filtering multiplied by 0.6 and Content Based Filtering multiplied by 0.4. For searching, the method that is used is Hybrid Recommender System. Recipe recommendation is implemented in Android smart phone.

Based on the testing result, recipe recommendation with Collaborative filtering, Content based filtering, and Hybrid recommender system, method which have the best score of precision, recall, and Mean Opinion Score is Hybrid recommender system. The limitation of the result of recommendation which is based on the favorite regional recipe, is not affected precision. It is based on the the small difference of both precision. The result of searching in this system is classified good based on Mean Opinion Score.

Keyword: *recipe, Collaborative filtering, Content based filtering, , Hybrid recommender system*