

## **Abstract**

**Hotels are the one of the many types of residences that exist in almost every city. Some people usually will search for hotels depending on their needs and also see reviews from the previous people. Hotels and review that too many will make hotel seekers confuse to find the right hotel for them. From here appointed a system that will facilitate hotel seekers to find the right hotel. This system is called recommendation system. Where the system will recommend an item which in this context is a hotel. Hotels to be recommended are based on certain criteria and one of the most important is user reviews. Recommendation system that was built using the Collaborative Filtering (CF) method. CF works by calculating the rating from users or previous reviews and trust will calculate the authenticity of the user value given by a user to an item . The system will recommend hotels based on the value of the similarity of other users who have rated one of the hotels and who are looking for hotel. From the experiment that has been done,there is an error value 1.6924 obtained using the CF method, 0.8746 with CF methods plus Trust-Based with trust threshold value  $>3$  and 0.8716 with trust threshold value  $>5$ . The smaller error value,recommendation will have a better works. From the tests that has been done,the use of trust can reduce error in the use of collaborative filtering methods.**

**Keywords: recommendation system,review,collaborative filtering,Trust-Based**