CHAPTER 6
CONCLUSION

In this study, the authors compare two algorithms, namely Collaborative Filtering with Cosine Similarity approach and Naïve Bayes on movie recommendation. As a comparison value, validation calculations are carried out, namely MSE (Mean Square Error) and also RMSE (Root Mean Square Error) where the algorithm that gets MSE and RMSE values close to 0 is the most suitable algorithm. From the results of the study, the MSE value was 2.361 for Collaborative Filtering and 1.728 for Naïve Bayes. The RMSE value is 1.536 for Collaborative Filtering and for Naïve Bayes it is 1.31456. The results of MSE and RMSE are shown in the data above, so it can be concluded that Naïve Bayes has better recommendations than the Collaborative Filtering with the Cosine Similarity approach algorithm.

The limitation of this project is that the author uses a factor in the form of a movie rating that produces a predictive score. The predicted scores have similar values due to the factor used in the form of movie ratings. So that in this project the movie recommendations from Naive Bayes and collaborative filtering using cosine similarity are less than optimal due to the limitations of these factors.

Suggestions for further research, adding more factors so that the value obtained reduces the similarity of scores to one another and produces better recommendations.