

## CHAPTER 6

### CONCLUSION

#### 6.1 Conclusion

1. The Manhattan Distance in this project and as far as testing is conducted performed more accurately compared to Euclidean distance similarity between 2 users, This also affects recommendation of a movie by specific users when using different scalar metric for recommendation system.
2. When the data is large 100,836 record the algorithm returns higher score than with a lower record this is normal since more data will make it more variable between one thing to another.
3. Future work can also improve the algorithm formula in case it can increase the score of each recommender and collaboration with other more sophisticated algorithm such as Support Vector Machine or Jaccard similarity and even Decision Tree to decide which movies the user will watch based on the rating of other users.
4. This project is done in a medium-high hardware specification with a processor of Intel Core i7 7700HQ Mobile Processor and 16 GB of RAM. In the higher hardware such as Intel Xeon Silver 4208 Server Processor the machine can process 25 Million record with a multi-threading capability making the algorithm run on a more data points.