

## CHAPTER 6

### CONCLUSION

Referring to this project, semi-supervised learning has proven to be able to improve the performance of machine learning. With the same ratio of division dataset, we know that the performance of machine learning can be improved well. It happens because from the result of partial training, used to predict the unlabeled dataset and the result of prediction concat with that partial dataset.

This research also used the AdaBoost algorithm that works like a decision tree algorithm that has only 1 stump only. From this decision tree, it works well with the evaluation from the training process, which can use weight for misclassification. The weight will increase if it has misclassified data. Otherwise, if the prediction is true the weight will decrease. In this research, SVD also very affect the performance of machine learning.

