CHAPTER 6
CONCLUSION

This research is to get the optimal result between learning rate 0.1, 0.5 and 0.9 also between different number of hidden layer such as 3, 5 and 7. In this project concluded that different number of hidden layers have big influence.

From the project result, the conclusions to answer the problem are:

1. This program can make predictions with Backpropagation algorithm.
2. Backpropagation is suitable for make prediction in this case but in some cases the algorithm can do miss calculation and it will produce fatal result if the prediction and the actual has big loss.
3. From 10 times testing, the result is testing with learning rate 0.9 and hidden layer 7 with accuracy 90%.

For the future research of this project can be improved. In this project, the result accuracy is not as the researcher expected before. The things that can be improved from this project in the list below:

- Make some modification on the algorithm to make better prediction and RMSE value
- Add more parameter for better algorithm result instead of date parameter
- Use more data to improve the result
- Implements GUI for better looks and user experience