CHAPTER 5
CONCLUSION, LIMITATION, AND SUGGESTION

5.1. Conclusion

The plotted demand prediction in the previous chapter was proven that it successfully captured the seasonality of the data. The demand forecasting will help to facilitate Small and Medium Industry (IKM) to take care of their inventory and minimize manual labor. Moreover, this could help the business to decrease the capital spent on maintaining their inventory while increasing their profit at the same time. With the demand forecasting model, the business will have less chance of having excess stock or stock-outs.

5.2. Limitation

During the creation of this paper, the author faced some limitations. Due to the limited time, the model that the author developed is still a very simple model and therefore the model might not fully able to capture the seasonality of a more complicated real world data. Also due to the limited time that the author has, the application did not have the opportunity to be tested using the real data from the real user, therefore the model still needs to be developed and trained more to be able to fully capture the condition of the real world.

5.3. Suggestion

Based on the conclusion and limitations above, the author would like give some suggestions to be taken into considerations. For further research of this topic, the author would suggest to try other machine learning algorithm or the use of transfer learning in order to create a more reliable model.

The author would also suggest to train the model with more actual real world dataset and then test the model with data from the real world user, therefore able to capture the reality of the business.

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