CHAPTER V CONCLUSION AND SUGGESTION

A. Conclusion

Based on the result of research forecasting the Price of Palm Cooking Oil at Consumer Level in West Sumatera, it can be concluded that:

1 The best model in Padang City that can be used are the model forecasting of Bulk Cooking Oil is ARIMA (1,1,1), the model forecasting of Cooking Oil A is ARIMA (0,1,2), the model forecasting of Cooking Oil B is ARIMA (0,1,2). The best model in Bukittinggi City are the model forecasting of Bulk Cooking Oil is ARIMA (0,1,1), the model forecasting of Cooking Oil A is ARIMA (4,2,0), and the model forecasting of Cooking Oil B (0,1,2).

2 The forecasting price in Padang City are estimated price range for Bulk Cooking Oil is IDR. 15.603 to IDR. 20.303, estimated price for Cooking Oil A range from IDR. 17.366 to IDR. 23.085, while Cooking Oil B is expected to be priced between IDR. 15.129 and IDR. 22.484. In Bukittinggi City, the forecast for Bulk Cooking Oil prices ranges from IDR. 14.769 to IDR. 20.055. The price of Cooking Oil A is expected to range from IDR. 17.178 to IDR. 26.995, and Cooking Oil B is forecasted to be priced between IDR. 15.408 and IDR. 24.414.

B. Suggestion

1. The forecast in this study indicates a trend of increasing prices until July 2025. Therefore, the government can use the forecasting in this research to describe how the price of palm cooking oil will fluctuate in the future.

2. Expanding the dataset to include more historical data could improve the robustness and reliability of the forecasting model and allow for the identification of long-term trends.