

CHAPTER 6

CONCLUSION

6.1. Conclusion

Researchers used DES Holt forecasting to look at earthquakes on the Indonesian islands of Java, Sumatra, and Bali from 2016 through 2020, varying the alpha and beta parameters based on the best MAPE. Since the MAPE value for each island is greater than 50%, the forecasting model's findings are poor or erroneous, according to the results of the Double Exponential Smoothing method's test results. The community's ability to deal with future earthquakes will not be aided by this study's findings.

6.2. Suggestion

Only one algorithm, Holt's Double Exponential Smoothing (DES), was utilized in this investigation. Other forecasting approaches may be examined in future research in order to compare the outcomes of Holt's DES forecasting modeling with those of other forecasting methods.