

## ABSTRACT

The study search for proper ARIMA model and GARCH model to forecast TLKM stock price, ISAT stock price, EXCL stock price, FREN stock price, and then compare their forecast. By using the daily data from May 1, 2012 to April 30, 2013, the study found that the proper models to be used to forecast TLKM stock price are ARIMA(2,1,2) model and GARCH(1,1) model. The proper models to forecast ISAT stock price are ARIMA(0,1,14) model and GARCH(1,0) model. The proper models to forecast EXCL stock price are ARIMA(1,1,1) model and GARCH(1,0) model. The study also found that FREN stock price data were stationary at level and can not be modeled by ARIMA model and GARCH model. The empirical results showed that ARIMA(2,1,2) model is superior to that of GARCH(1,1) model to forecast TLKM stock price, GARCH(1,0) model is superior to that ARIMA(0,1,14) model to forecast ISAT stock price, GARCH(1,0) model is superior to ARIMA(1,1,1) to forecast EXCL stock price.

*Keywords: Technical analysis, univariate time series models, ARIMA model, GARCH model.*

