Abstract

The development of cryptocurrencies has occurred so rapidly in recent years. This makes people more and more interested in investing their money in cryptocurrencies. However, studying market movements and the science of predicting prices using technical analysis is not easy, often such large changes in prices make cryptocurrencies an asset that is quite attractive but high risk. Investors frequently experience losses due to inaccurate analysis results. Buying and selling cryptocurrency transactions that are not pegged by time allow prices to change at any time. This study predicted the price of the cryptocurrency in the form of the closing price of the cryptocurrency. This cryptocurrency prediction made using the Long Short-Term Memory (LSTM) and Multiple Linear Regression (MLR) methods. Using the history of previous closing prices (Closing) and the number of additional positive cases of Covid-19 as training data. Using two cryptocurrencies to ensure the machine can work for more than one cryptocurrency. The results of these two methods are cryptocurrency price predictions which compared by calculating the Root Mean Squared Error (RMSE) value to determine which method is better for predicting cryptocurrency prices. The best results were produced by the LSTM model with an RMSE value of 0.000240.