

ABSTRACT

The secondary market where shares are traded is one of the capital markets instruments where investment is entered. Investors decide to buy or release shares with various considerations and analyzes. The financial sector controlled by the banking sub-sector in the LQ45 index for the period of August 2018 issued by the Indonesia Stock Exchange has a large capitalization which controls more than one third of the LQ45 market. This large market capitalization greatly affects the performance of the LQ45 index and the Composite Stock Price Index.

Industrial Revolution 4.0 with Artificial Intelligence technology can Machine Learning to make an algorithmic model that is difficult to make stock price predictions that are very useful for investors. Machine Learning, one of which uses the Long Short-Term Memory model to predict stock prices with good accuracy. For this reason, we need a study to be able to predict the share price of the financial sector by using Long Short-Term Memory (LSTM) Network algorithms and models.