

ABSTRACT

The stock market is one of the interesting investments to follow because of the higher return value from deposit and gold investment rates. However, fluctuating stock prices make changes in stock prices uncertain because of the many factors that influence. These problems often make investors unable to estimate the right time to sell their shares or buy shares that have a fairly large estimated reciprocal value. This study discusses the making of a stock trading decision making system using technical analysis with the Single Exponential Smoothing and Bollinger Bands methods. The results of this research are the sale and purchase of shares automatically based on calculations with the highest result is 75% profit and 25% loss based on 30 minutes periode technical analysis.

Keywords : *Stocks, Technical Analyst, Single Exponential Smoothing, Bollinger Bands, Investment, Fluctuate.*