

## ***ABSTRACT***

Stock are a sign of a person's or business entity's capital participation in a company. As technology develops, the level of investor interest in the capital market, especially stocks, is increasing. Not a few people also think that this stock can have a detrimental impact on economic factors. Therefore, a study was made to make a program to determine buy and sell signals for stocks with technical analysis using technical indicators, which can help someone to determine buy and sell signals on a stock so that they can maximize the profits obtained.

The system will be designed through several stages. The first process is scraping or data retrieval. After that, the data processing process is carried out using several technical indicators, then a rule is made from these indicators so that buying and selling decisions can be known as well as the amount of profit earned. This program uses the Python programming language with media on Jupyter Notebook.

This system will be tested by calculating buy and sell with the rules from Money Flow Index, Bollinger Bands, Commodity Channel Index, and Stochastic Oscillator indicators. The test results will be calculated in units of percent for profit. From the per-combination calculation, it is found that the largest profit percentage rate is 77% which is found in combination 2 with the Bollinger Bands and Commodity Channel Index indicators.

***Keywords:*** *technical analysis, indicator technical, stocks*