

ABSTRACT

Investment is one of the jobs that are in demand by many people, especially entrepreneurs because the benefits obtained exceed deposit interest and gold investment. This is also due to technological factors, which can be done online wherever they are, but due to uncertain stock price changes, it is unclear when the share price will be sold or purchased. Because of this, research was carried out that made a system able to provide stock buying and selling decisions using 7 technical methods, namely force index, moving average convergence divergence, williams percent range, ultimate oscillator, relative strength index, commodity channel index, and price rate of change. This system will make it easier for investors to benefit from stock investments that are carried out online without having to be watched all the time. The result of this research is that the sale and purchase of shares can be done automatically based on the calculation with a profit of 3.28%.

Keywords: Technical Analysis, Stocks, Force Index, MACD, Williams Percent Range, Ultimate Oscillator, Relative Strength Index, Commodity Channel Index, Price Rate of Change.