

## ABSTRACT

Stock is the part of income fields that are widely used by investors. The stock market has a level of interest to many people because it can provide a large income. But with stock movements that are very fast making it not easy to see manually because it requires a special time to analyze and observe it. Therefore, this research created a system for making decisions about buying and selling shares automatically and real-time using the Stochastic Oscillator and Exponential Moving Average (EMA) methods. The results of this study have a 77.50% gain in the 30 minute data period.

**Keywords:** *Stock, Stochastic, Exponential Moving Average*