

ABSTRAK

**ANALISIS AKURASI INDIKATOR EXPONENTIAL MOVING
AVERAGE DAN RELATIVE STRENGTH INDEX
(Studi pada Saham yang Terdaftar di Indeks HighDividend20 Periode
Februari 2021-Februari 2024)**

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Penelitian ini bertujuan untuk menganalisis keakurasian indikator *Exponential Moving Average* (EMA) dan *Relative Strength Index* (RSI) sebagai alat analisis teknikal dalam memberikan sinyal beli dan jual pada pergerakan saham yang terdaftar pada Indeks HighDividend 20 di Bursa Efek Indonesia. Penelitian ini juga memberikan analisis kinerja dari Indeks HighDividend20 periode Februari 2021-Februari 2024.

Penelitian ini dilakukan menggunakan pendekatan kuantitatif. Data dalam penelitian ini adalah pergerakan harga saham, akurasi indikator EMA dan RSI, serta *return* dan risiko saham. Teknik pengumpulan data menggunakan metode observasi terhadap pergerakan harga saham yang terdapat di dalam *website TradingView* dan didokumentasikan dalam bentuk angka, tulisan, dan gambar serta keterangan yang dapat mendukung penelitian ini. Teknik analisis data menggunakan analisis komparatif terhadap keakuratan alat analisis yang dinyatakan dalam bentuk persentase.

Kesimpulan dari penelitian ini adalah indikator *Relative Strength Index* memiliki keakurasian yang lebih baik dibandingkan *Exponential Moving Average*. Kinerja Indeks HighDividend20 pada periode Februari 2021-Februari 2024 pun lebih baik dibandingkan periode Februari 2018-Februari 2021.

Kata kunci: *Exponential Moving Average*, *Relative Strength Index*, Kinerja Indeks High Dividend20

ABSTRACT

ANALYSIS OF THE ACCURACY OF EXPONENTIAL MOVING AVERAGE AND RELATIVE STRENGTH INDEX (Study on Stocks Listed in the HighDividend20 Index for the Period February 2021-February 2024)

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This research aims to analyze the accuracy of the Exponential Moving Average (EMA) and Relative Strength Index (RSI) indicators as technical analysis tools in providing buy and sell signals for the stock movements listed in the HighDividend20 Index on the Indonesia Stock Exchange. Additionally, this study provides a performance analysis of the HighDividend20 Index for the period of February 2021-February 2024.

This research was conducted using a quantitative approach. The data in this research include stock price movements, the accuracy of the EMA and RSI indicators, as well as stock returns and risks. The data collection technique employed an observational method, focusing on stock price movements obtained from the TradingView website, which were documented in the form of numbers, text, images, and descriptions that support this study. Data analysis techniques use comparative analysis to assess the accuracy of analysis tools expressed in percentage form.

The conclusion of this study is that the Relative Strength Index indicator demonstrates better accuracy compared to the Exponential Moving Average. Furthermore, the performance of the HighDividend 20 Index during the period of February 2021-February 2024 was superior to that of the period from February 2018-February 2021.

Keywords: *Exponential Moving Average, Relative Strength Index, HighDividend 20 Index Performance*