

ABSTRACT

DEVELOPMENT OF A WEB-BASED DECISION SUPPORT SYSTEM USING THE MABAC METHOD FOR INVESTMENT RECOMMENDATIONS ON SEVEN COMPANIES IN THE BEI

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Wise financial management is essential to achieving financial freedom, one of which is through stock investment. However, investors often have difficulty choosing the right stocks based on comprehensive fundamental analysis. This research aims to design a website-based decision support system to provide recommendations for investing in stocks in seven companies listed on the Indonesia Stock Exchange (IDX). Stock investment involves various analysis criteria such as Price Earning Ratio (PER), Price to Book Value (PBV), Return on Equity (ROE), Return on Assets (ROA), and Debt to Equity Ratio (DER). The system uses the MABAC method, a multi-criteria decision-making method that can handle significant differences between alternatives. This method processes fundamental analysis criteria data to rank stocks based on company performance. The seven companies analyzed include Matahari Department Store Tbk, PT Cakra Buana Resources Energi Tbk, Siantar Top Tbk, Indal Aluminum Industry Tbk, Kimia Farma Tbk, Mustika Ratu Tbk, and Sido Muncul Tbk. The calculation results with the MABAC method show that the shares of Sido Muncul Tbk (SIDO) have a value of 0.26 and are recommended as the best choice based on the evaluation of the five criteria used.

Keywords: *Indonesia Stock Exchange, Investment, MABAC, Recommendation, Decision Support System.*