ABSTRAK

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Decision Support System for Selection of the Best Stock using Topsis and Vikor Methods

Stock selection must to pay careful attention and with full consideration, this is to avoid the risk that can cause large losses. Before selecting stocks for investment purpose, a new investor must have a basic knowledge about the stocks. This knowledge is a basic for mitigating the risk that will happen. As an alternatif way, a new investor can also look some outputs at "a Decision Support System" (DSS) for the best stock selection that will be resulted in this research. The best stock selection is done by Topsis and Vickor methods. Analysis stock was carried out using fundamental analysis approach by looking financial ratio that was taken from a company`s financial statement. The objectives of this research was 45 companies listed in Indonesia Stock Exchange (IDX) in 2017. A decision support system that was produced in this research still in prototyping phase. The output prototype of DSS is a list of the best alternative stocks that can be as a reference in selecting stocks.