

ABSTRACT

One option the investr in investing is to buy a number of shares traded in Indonesia Stock Exchange. However, the uncertainty of return given by these shares making this investment has a lot of risk. This research aims to know the optimum portfolio composition formed by a single Index Model, as well as to find out the difference of the results of optimal portfolio risk and return between the calculations using daily stock data with monthly stock data.

The variable in this reserch is the establishment of an optimal portofolio. Optimal portfolio is a portfolio with a combination of risk and return expectations. Type of this research is descriptive research with quantitative approach.

The population in this research is all shares that are included in the index traded at Kompas100 IDX that are 100 stocks. Samples were taken using the technique of purposive sampling obtained as many as 75 stocks. Types of data used are secondary data. The data source is taken from the official website of the IDX. Data analysis techniques using a single index and test method of hypothesis testing is carried out by independent sample t-test.

The results showed that from 75 samples of the stocks elected, there were 31 stocks that go into the optimal portfolio calculation based on using the data daily, while the optimal portfolio calculation based on using the daily data, while the optimal portfolio formed by using monthly data amounted to 30 candidates. From hypothesis test results indicate that there is no difference between return and risk are formed using daily stock data with monthly stock data. However, daily stock data, have a return better than the monthly return ($0.19119\% > 0.166782\%$) and risk of a portfolio of daily data is less than the monthly data ($0.0016926\% < 0.0114743\%$).

Keyword: Single Index Model, Optimal Portfolio, Kompas100