**ABSTRACT**

The portfolio is determining the portion of money in an investment that will provide the maximum return or the least risk. In addition to investment there is return, there is also a risk. In seeing the risk, investors' views may differ from one another. In this final project portfolio optimization will be carried out by taking into account investors' perspectives on risk by using a confidence interval. The method to be used is risk modeling and subjectivity of investors into the confidence interval to find the best portfolio. Based on the results of the selection test of confidence intervals influential in producing portfolios, but the results of research in this Final Project have not given results that match expectations, which in this study the best portfolio produced by theta 90.
**Keywords**: portfolio, risk, confidence interval