

## **ABSTRACT**

*Indonesia is a country with a wide region, so the demand of transportation is high. The high demands of society for transportation makes new entrance on the transportation industry is emerged, which is a competitor for companies in transportation industry and started creating innovation in the field of transport, the new entrance of competitors namely transportation applications online company turns out to have an effect on the occurrence of the fluctuations in the value of the shares of BIRD and TAXI.*

*Therefore, this research aims to know the risks of the stock value of the BIRD and TAXI using three methods of value at risk, i.e: historical simulation, variance-ovariance, and bootstrapping. Then the methods are compared to see which method has the smallest risk.*

*For sample, the authors define the sample stock price TAXI with BIRD and the period November 2014 until October 2016. Methods of analysis used in this study is secondary data analysis to measuring value of risk of BIRD and TAXI stocks with a period is already determined.*

*For the calculation of the value of risk BIRD and TAXI stocks is using 95% confidence level. The results of that comparison is Historical Simulation method has the greatest risk, while Bootstrapping method has the smallest risk.*

*Based on the results of the analysis, for the implementation of Historicl Method is itended for investors who was a risk taker. for the Variance-Covariance method is intended for investors who have a bit of spare time, because this method is the fastest method for calculating risk. And the last, for Bootstrapping method is intended for investor who avoid the high risk from the value of stocks*

**Keyword : Value at Risk, Return, Historical Simulation, Variance-Covariance, Bootstrapping**