

## ABSTRACT

Name : Kristina Simanjuntak  
Program Study : MBTI-International  
Title : Does Garch Model is the Appropriate  
Tool to Assess Value at Risk in  
Telecommunication Industry in  
Indonesia, Malaysia and Singapore  
During 2006-2011?

This final project is about computing market risk (in this case is stock risk) VaR using volatility measured by ARCH/GARCH model. The ARCH/GARCH model are used due to the data of stock market return which show a relatively heterocedasticity nature. In this research, GARCH (1,1) model is the chosen model to forecast the volatility. The result from this research shows that, practically, ARCH/GARCH model is a valid model to measure the volatility that will be used in calculating Value at Risk. Almost GARCH model in measure the Value at Risk is the appropriate in accordance to Kupiec Criteria for 99% and 95% of confidence level.

*Key words:*

*VaR, ARCH/GARCH*