ABSTRAK

Bank is a financial institution that serves to collect funds from the public in the form of demand deposits, time deposits, and other deposits and channeled back in the form of credit. In the investment world recognized the existence of a strong relationship between risk and return. The global financial crisis brought a significant influence on credit risk. The Basel III was first published in December 2009, including models of new risk capital charges against volatility 'VaR' new for considerable capital costs and viable. Volatility calculating VaR was applied to calculate the ARMA and GARCH.

The purpose of this study was to measure how well the VaR model state-owned bank in Indonesia with the comparison value at risk VaR Internal Model-based state-owned bank BASEL III.

The sampling technique this study using purposive sampling. Samples were selected based on considerations or the following criteria Company state banks that went public on the Stock Exchange in 2013-2015 and Having Annual Report and Financial Report which is published periodically from the full-year period 2013-2015. Data processing is performed by using MatLab software. The data analysis technique used is descriptive analysis and ARMA and GARCH volatility method.

Based on the results of data processing, it can be seen each level VaR state-owned banks and the internal value of each model of state-owned banks. Where the value of the Bank's internal VaR models are 0.05 and k = 6.5 is 0.87 and k = 3.5 is 0.57. Bank BNI value is 1.3 and the internal VaR models is a 2.5 k = 6.5 and k = 3.5 is 0.7. Bank BRI value was 0.29, and the internal VaR models are 0.86 k = 6.5 and k = 3.5 is 0.58. Bank BTN value was 0.06, and the internal VaR models are 0.99 k = 6.5 and k = 3.5 is 0.61. Based on the VaR model each state bank by BASEL III categorized either.

Based on the research results, to face the risk, state-owned bank in Indonesia can use VaR as a risk measurement method. Bank is expected to continue to manage the company's performance, especially the rate of return the stock price, the value of Value at Risk as well as its capital.

Keywords: Bank, Risk, BASEL III, VaR, Internal Model.