

## **ABSTRACT**

### **COMPARISON OF INFORMATION TECHNOLOGY ESTIMATED ANALYSIS RESULTS IN. BANK BNI, PT. BTPN BANK AND PT. XL AXIATA USES PARTIAL ADJUSTMENT VALUATION (PAV) VALUATION METHOD WITH DYNAMIC SPEED OF ADJUSTMENT**

By

**ERVINA SISKAWANI SIPAYUNG**

**1202160112**

*Information Technology (IT) has its own value called IT values. IT is an added value in the quantitative form of a currency unit that can be exported in index ratios as a benefit of spending managed IT resources for enterprise performance improvement. IT can be estimated using a PAV (Partial Adjustment Valuation) method which has two adjustment speeds namely dynamic Speed of Adjustmen and the static Speed of Adjustment. The PAV method estimates the IT value with the result in the currency ratio and unit. In addition, the PAV method can also minimize errors in the calculation results to match the desired results. Dynamic Speed of Adjustment is the method of PAV used in this final task to compare the value between it and the absence of IT in the company. In this study, estimating the IT value dynamically using the SPSS (Statistical Package for the Social Sciences) application. Calculating the estimated value of the company's IT using data already obtained from the company, namely the company's equity, the company's labor costs, IT spending costs, corporate income annually, ROA and overall operational costs. Calculates TI values using three-factor model estimation formula and two-factor models. After performing the estimation of three-factor models and two-factor models, the result of the calculation is used to calculate the Performance Ratio (PR) value of IT in the ratio index and the Performance Value (PV) which is the IT value in the currency unit. The intention of the IT value here is the added value of the company with quantitative form (can be in the form of ratio index or currency unit) to the company. IT value at an IT-based company such as a banking company that is PT. BNI Bank will be very influential in the company because PT. Bank BNI itself is one of the largest banks in Indonesia. The method of PAV will be used to analyze the IT value of PT. Bank BNI and will be compared with other companies namely PT. Bank BTPN and Telecommunications company PT. XL Axiata to see which companies most utilize IT investments in company Kinerja.*

*Keywords: Information Technology, IT value, Partial Adjustment Valuation (PAV), Dynamic Speed of Adjustment, SPSS.*