

## ***ABSTRACT***

*Telecommunication business in Southeast Asia is still have good business projection, it si indicate by the growth of telecom operators revenue in Southeast Asia from 2008 to 2017 continue to show growth of improvement. Growth of the revenue is not accompanied by a strong financial ratio growth, indicating that the growth of Net Profit Margin, EBITDA and EBIT from 2008 to 2017 shows negative growth. Based on this phenomenon it is important for telecommunication companies to maintain the efficiency of the company.*

*The propose of this research was to analyze the efficiency of telecommunication companies and know the variable efficiency of telecommunication companies in Southeast Asia from 2008 until 2017 with involving 14 telecom operators. This efficiency research was conducted using Stochastic Frontier Analysys (SFA) method which regrets input, output and netput variables. From the results of this study indicate that the input and output variables have a significant effect on efficiency while the netput variable not have significant effect on efficiency. From efficiency perpective there are seven telecom operators that have efficiency above average and there are seven operators have efficiency value below average.*

**Key Words:** *Efisiensi, Telekomunikasi, Stochastic Frontier Analysys (SFA), Parametric, Input, Output, Lingkungan*