

Sitanan Munfak 2020 : An analysis of return and risk of listed company in Information and Communication Technology sector in the Stock Exchange of Thailand before and after into the fourth generation. Master of Arts (Applied Finance), Major Field: Applied Finance, Department of Finance. Independent Study Advisor: Assistant Professor Pornwan Nunthaphad, D.B.A. 139 pages.

### ABSTRACT

The objectives of this study are (1) to study rate of returns and risks of stocks. (2) to analyze performance of stocks by using Sharpe Treynor and Jensen model (3) to study the relationship between financial ratio and rate of returns of listed company in Information and Communication Technology sector in the stock exchange of Thailand before and after into the fourth generation. This research used historical data on a monthly basis January 2010 to December 2019. To calculated rate of returns and risks by using Standard Deviation, Beta and Value at risk by Delta Normal method. Then, evaluated performance of investment by using the Sharp, Treynor and Jensen model. After that, Study the relationship between 7 financial ratios and 2 factors with rate of returns will use the tool to create complex regression with the Fixed Effect Regression.

According to studies, the result has been found if average rate of returns will high risk will high return too base on high risk high return theory. Before 4G that found rate of return and risk been higher more than after into 4G. The Performance Sharp Treynor and Jensen model of Before 4G has better performance than after into 4G. The result of the relationship between 7 financial ratios and 2 factors with rate of returns can be summarized Price to book value ratio (P/BV) and Return on assets (ROA) has the same significantly positive direction with the rate of returns. Current ratio (CR) and Earnings per share (EPS) has the significantly opposite direction with the rate of returns of stocks in the Information and Communication Technology sector.



Student's signature



Independent Study Advisor's signature

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