

Kavin Chinawong 2006: Information Technology and Economic Growth: The Comparison of Case Studies between 1982-1991 and 1992-2001. Master of Economics, Major Field: Economics, Department of Economics. Thesis Advisor: Associate Professor Supriya Kuandachakupt, Ph.D. 72 pages. ISBN 974-16-2957-5

The objectives of this research are 1) to study sources and structure of information technology in Thailand during 1982-2001 and 2) to study the effect of information technology on economic growth by comparison of case studies between 1982-1991 and 1992-2001.

The data of this research are secondary, time series data between 1982-2001, consisting of gross domestic product, capital, labor, and information technology factors. The production function is explained in the Cobb-Douglas model and analyzed by the SPSS program.

The results of the research indicate that information technology influences in economic growth. The use of information technology leads to the change in production structure. The results of this research show that the change in gross domestic product can be explained from the change of capital, labor, and information technology factors. The increasing number of Internet users and value of science investment per research and development investment negatively affect economic growth due to the fact that they are not directly relevant to the manufacturing process. Similarly, information technology impacts on the industrial sector.

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Thesis Advisor's signature

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