

Yosakrai Katekrai 2007: Sources of Economic Growth from Sectoral Public Investment.

Master of Economics, Major Field: Economics, Department of Economics.

Thesis Advisor: Mr. Yodying Kongtong, Ph.D. 116 pages.

The objective of this research was to analyse the effects of public investment in infrastructure on economic growth and its effect on sector productivity. This research was employed Cobb-douglas Production Function model to estimate the effects of public investment on economic growth and sector productivity. The data was collected from annual secondary data between 1977-2004.

The result of the study revealed that public capital of agriculture sector and industrial sector are economics overhead capital contributed to growth in overall economy for 35.772%. Besides, public capital of agriculture sector contributed to growth in agriculture sector is 137.879% and it is the factor that impacts most important in growth of source of agriculture sector, public capital of industrial sector contributed to growth in industrial sector is 21.158% and the most important factor that impacts in growth of industrial sector is its private capital of industrial sector and public capital of industrial sector contributed to growth in service sector is 37.386% and the most important factor that impacts in growth of service sector is its private capital of service sector.

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