

Sureemas Tadsaro 2010: The Analytical of National Science and Technology Development Agency Performance Focus on Research and Development by Logic Model. Master of Economics, Major Field: Economics, Department of Economics. Thesis Advisor: Associate Professor Darawan Virunyaphol, Ph.D. 141 pages.

This Research is study about logic model for analyzed the Performance of National Science and Technology Development Agency (NSTDA) especially Research and Development. This study begin from 2006 to 2009. The research result aim to specify the way to make the plan administration and evaluation of NSTDA by link from activities to output and goal in the end by effectiveness. This study choose from 8 research programs in 8 clusters that is the representative. About 8 research programs are Seed Program, Medical Engineering, Embedded System Program, Intelligent Automotive for Sustainable Program, Solar Cell Program, Textile Program, Technology Facilitate for Disabled and Environmental Technology Program.

The research result are found the output of 8 research programs that they were used the budget total 1,127.14 million baht, output are 148 successes and 309 stakeholders/units/target groups. About short term outcomes, intermediate outcomes and long term outcomes are depend on performances of each program. The Conclusion of this study show the beneficial of commercialization means are customer could be produce in commercial scale and industrial scale and made them increasing the circulations, and increasing the market segmentation, decreasing the import products and increasing competitiveness. Further more this research found all about the outcomes could be support the new industrial and built the new industrial, decreasing resource, energy and environmental pollution. Each activities that support to the research and development could link resource to activities, output for target group/customer on short-intermediate-long term outcomes.

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Thesis Advisor's signature