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SONTAYA WANGSIRIWECH : THE INPUT-OUTPUT ANALYSIS FOR PRODUCTION AND EXPORT STRUCTURE OF AGRICULTURE AND AGRO-INDUSTRY. THESIS ADVISOR : ASSIST. PROF. BANGORN TUBTIMTONG, Ph.D. THESIS CO-ADVISOR : KANOK KATIKARN, Ph.D. 148 pp. ISBN 974-636-897-4

The objective of this study is to analyze the structural change in production and export pattern of agricultural sectors. Find the main source of production growth and analyze the relationship and the linkages among the sub-sectors. Then the focus will be on the direct and indirect impact of the changing in the final demand due to the changing pattern of private consumption and export. Finally, the policy implication will be based upon the comparison of the analysis and the target in the eight National Socio-Economic Development Plan.

The result of the input-output analysis indicates that during 1975-1990 , the primary product (maize, sorghum, bean, coconut and fibre crop) and the intermediate products are used at the increasing rate for the expansion of the agricultural sector. The growth rate of the agricultural sector reaches the peak during 1975-1980 due to the high growth of domestic final demand and export , but it has shown the tendency to decline during 1980-1985 . When comparing the forecasted variable calculating from the value added with the eight National Socio-Economic Development plan target rate , the growth rate of paddy, cassava , sugar cane and rubber are above the target rate. Fishery is the only sector which is below the target. Therefore , the policy implication of this study should aim for the promotion of the high forward and backward linkages sector , like livestock ,poultry , meat , coconut , rice , topioca product , flour,sugar and animal feed. However, rice , topioca product and sugar will also benefit from the agicultural liberalization of the GATT and WTO.

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