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SUTTIPONG VASUSOPHAPOL : THE OPERATION MODEL OF TECHNOLOGY ASSESSMENT FOR THAILAND IN THE FUTURE : AN ETHNOGRAPHIC DELPHI FUTURE RESEARCH TECHNIQUE. THESIS ADVISOR : DEBHANOM MUANGMAN, M.D., Dr.P.H. KASEM KULPRADIT, M.Sc. SUDA SIRIKULVADHANA, M.S., M.P.A. 125 p. ISBN 974-589-290-4

In the present, the main goals of national development were base on science and technology, and rapid growth in many fields. There have been many negative impacts and obstacles in terms of development. Thus, technology assessment is a part of the appropriate process. The purpose of this study was to identify systematically the concepts and appropriate alternatives for technology management of Thailand in the future by using EDFR technique. The data was compiled by interviewing and collecting questionnaires from 26 experts in various organizations, and lead to the decision-making group.

The study revealed that the model of technology assessment for Thailand in the future should give priority to technology management in production, acquisitiveness, implementation and waste management. The 10 core and 56 sub-core elements for assessing criterias, the main elements are the technology, economic, environment, resources, social-culture, quality of life, population, legal-political, information and research and development (R&D). These elements determine pattern and process of technology assessment, and can help consideration and integration for decision-making, in order to minimize the negative impact from the goal of technological development linked to policies and aim to raise the standard of living.