Hongsepijarn Buakhai 2012: Administration of Participatory Forest Resource Management under Tabtim Siam 08 Project, Sa Kaeo Province. Master of Science (Forest Resource and Environmental), Major Field: Forest Resource and Environmental Administration, Faculty of Forestry. Thesis Advisor: Assistant Professor Pasuta Sunthornhao, Ph.D. 100 pages.

Objectives of the study were to determine the socio-economic and forest resources condition through project situation analysis for setup strategies and appropriate activities which it will be effective administration of Tabtim Siam 08 Project, Sa Kaeo Province. Participatory Rural Appraisal (PRA) was employed as a tool for data collection e.g. interview, focus group meeting with multi-stakeholder and forest inventory. Then data analysis was conducted based on science, social science and relevant statistical method such as forest healthy, and analysis of strengthening, weakness, opportunity and threats (SWOT) through establish implementing strategy.

Results of the study indicated that main of the most respondents occupation were agriculture. Most of them having much experience in forest resource conservation immigrated from Northeastern part of Thailand and utilized the forest area as the source of food in the forest project. there were 37 tree species found in the studied area while *Pterocarpus macrocarpus, Peltophorum dasyrachis, Albizia lebbek, Azadirachta indica var.siamensis and Leucaena leucocephala* were classified as the dominant species. Based-on SWOT analysis, indicated that Tabtim Siam 08 should to setup editable strategies namely local knowledge collection and to develop database system for organization structure reform as well as basic facility improvement to serving appropriate activities e.g. response royal forest rehabilitation project, promote additional occupation and virtue, morality and create the participatory people's awareness of natural resource conservation in order to achieve the goal of project sustainability.

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