

Sapazit Singpee 2010: Participatory Community Planning for the Administration and Management of Khao Dok Mali 105 Rice in Ban Thung Pai, Tambon Pakham, Amphoe Pakham, Changwat Buri Ram. Master of Science (Sustainable Land Use and Natural Resource Management), Major Field: Sustainable Land Use and Natural Resource Management, Interdisciplinary Graduate Program. Thesis Advisor: Associate Professor Apiwan Kamlangek, M.A. 126 pages.

This research had objectives to analyze economics, social and natural resources of community, and to gain information necessary for developing the community plans for management of white jasmine rice. The research used farmer's participation by applying participation rural appraisal (PAR) and SWOT Analysis workshop including soil samples' collection for mineral analysis.

The study demonstrated that the community had faced the problems of natural reservation, production and marketing, lacking of an appropriate technology, communication and coordination with government agency responsible for rice production. The results of the three times workshop generated 4 community plans to solve the previously mentioned problems as follows ; 1) Natural Conservation Plan 2) Knowledge and Technology Empowerment Plan 3) Production and Marketing Plan and Government Agency-Coordinated Plan. To achieve sustainable resolutions of each agricultural community in the long run, all prospective activities must allow and support participation and coordination among farmers, Agricultural offices, Local Administration offices and relevant agencies.

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Thesis Advisor's signature