

Rungwicht Kham-ngam 2012: The Integration of Local Knowledge and Modern Knowledge for Water Resources Management in Wetland Area by the Communities in the Central of the Moon River: The Case of Kud Kha Keem Sub-District, Rattanaaburi District, Surin Province. Master of Arts (Social Development), Major Field: Social Development, Faculty of Social Sciences. Thesis Advisor: Mr. Dechrut Sukkumnoed, Ph.D. 248 pages.

The integration of local knowledge and modern knowledge for water resources management in wetland area by the communities in the central of the Moon river is the Community Based Research. The scope of the study area is wetland area in the central of the Moon river, covering the areas of five communities in Kud Kha Keem sub-district, Rattanaaburi district, Surin province.

The objectives of this research are to 1) study local knowledge for water resources management in wetland area by the communities. 2) study modern knowledge for water resources management in wetland area by the communities. 3) study the integration of local knowledge and modern knowledge for water resources management in wetland area by the communities.

The results of the research are founded that the water management system in the study area is 1) managing irrigation water through pumping system from low to higher area. 2) managing the sub water sources in the area such as Kud, Nong, Hong, Wang, Leong, Pak, and Tha 3) holistic resource management system including water, forests, fish 4) water management base in the wetlands. 5) water management base on the culture, belief, values, and tradition of the communities. 6) managing water resources base on the combination of local knowledge and modern knowledges. These knowledges have been modified and applied to the present socio-economic and ecological contexts. 7) The management of water resources is base on the complex right system, base on collective traditional right system.

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Thesis Advisor's signature