WANNIPA SODA : LAND SUITABILITY EVALUATION SYSTEM FOR ECONOMIC CROPS IN TAMBON LEVEL : A CASE STUDY OF MUAKLEK, MUAKLEK, SARABURI PROVINCE). THESIS ADVISOR :THANAGON UO-ON,D.Engr., BUNLUR EMARUCHI,Ph.D., SUTINUN NUNTACHIT,M.Sc., PIYADA CHITCHOMNONG,M.Sc. 115 p. **ISBN 974-663-975-7**

The objectives of this research were: 1. to design and develop a database for use in evaluating land suitability for economic crops, and 2. to study and create the presentation form to evaluate land suitability for economic crops in the Tambon level report. The land suitability evaluation for economic crops in Tambon level was designed and developed as a case study for Muaklek, Muaklek, Saraburi Province.

The research began by studying and collecting data to determine requirements of the system and to analysis data. From this, a land suitability evaluation system for economic crops in Tambon level was designed and developed by using Arc/Info, ArcView for editing and converting spatial data, MapObjecrs for presenting the spatial data, MS Access97 for database development and MS Visual Basic for programming in three parts. The first part consists of database table, the second part shows relationship between the spatial data and the attribute data and the last part is the graphic user interface

This research produced the prototype of land suitability evaluation system for economic crops in Tambon level,a database for land suitability evaluation system for economic crop in Tambon level and land suitability evaluation system for economic crops in theTambon level report. It has a map and economic data of suitable economic crops and soil management data. This report presented is based on the analysis of the advantages and the limitations or disadvantages of the system. Further study in this area is recommended.