

Jirapat Khonjen 2010: Database System Development for Agriculturist Registration on Website: A Case Study in Amphoe Khao Saming, Trat Province. Master of Science (Agricultural Information Technology), Major Field: Agricultural Information Technology, Interdisciplinary Graduate Program. Thesis Advisor: Associate Professor Supaporn Thaipakdee, Ph.D. 89 pages.

The objectives of this study were 1) to develop agriculturist registration database system on website and 2) to find satisfaction of operational officers and agriculturist on accessing database system for agriculturist registration on website. The procedures of program development were the following: the design of 5 tables consisting of agriculturist profile, rice and herb profile, orchard and perennial plant profile, livestock profile and aquatic animal profile. MySQL program was used to creating database connected by PHP language. The sixty samples selected by purposive sampling were 30 operational officers and 30 agriculturists. The interview schedule was used to assess user's satisfaction after using the program. Percentage, mean and standard deviation were applied for data analysis.

The results found that the users were satisfied with the following aspects: contents, design and format of website, database viewing, program satisfaction, and user's satisfaction after accessing the program at high level ( $\bar{x}$  = 4.07, 4.01, 4.01, 4.17 and 3.99 respectively). It revealed that the development of database system for agriculturist registration on website responded to the needs of users because they could actually utilize and apply it to related works. However, there were additional suggestions; for example, increasing agriculturist's range of planting plots by converting the amount of trees/rai into cultivated area, adding of provinces, districts and sub-districts information of the whole country.

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Thesis Advisor's signature