

Warawon Sakultab 2010: Information and Communication Technology Factors Affecting Knowledge Management in Agricultural Extension of Officials, Department of Agricultural Extension. Master of Science (Agricultural Extension), Major Field: Agricultural Extension, Department of Agricultural Extension and Communication. Thesis Advisor: Associate Professor Pichai Tongdeelert, Ph.D. 143 pages.

The objectives of this study were: 1) to study personal factors of the Department of Agricultural Extension personal affecting Knowledge Management, 2) to study the information and communication technology factors, 3) to study motivation factors affecting information and communication technology, 4) to study the ability of using information and communication technology, 5) to determine the level of knowledge management and, 6) to study problems and suggestions of the Department of Agricultural Extension personal. Data were collected from 122 samples from the Department of Agricultural Extension by using questionnaires. Statistical analysis included frequency, percentage and mean. Chi-square was employed to test hypotheses.

The results revealed that most of the members were females (73.9 %). The average age was 39.23 yearsold, 61.5 % of them graduated bachelor degree, average working experiences that less than 10 years were 57.4 %, and 41.8 % were in academic position. The computer equipments factors, the information and communication technology policies and, the suitability of working environment were at the moderate level. The motivation factors effecting information and communication technology were at the high level. The ability of using information and communication technology was at the moderate level. The 3 features of knowledge management in agricultural extension were found that the knowledge construction was at the high level, the knowledge exchange and the knowledge utilization were at the moderate level.

The results of hypotheses testing showed 1) the suitability of working environment, the motivation factors affecting information and communication technology were relating to the knowledge construction, 2)age, educational attainment, working position, working environment, motivation factors effecting information and communication technology, ability of using information and communication technology were relating to the knowledge exchanges, 3) level of education attainment, working position, computer equipments factors, information and communication technology policies, motivation factors, ability of using information associated with communication technology and the knowledge utilization.

Student's signature

Thesis Advisor's signature

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