

THESIS TITLE : THE NEED FOR AGRICULTURAL EXTENSION SUPERVISION  
OF KASET AMPHOE IN NORTHEAST THAILAND

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ABSTRACT

The purposes of the study were 1. to study the social and economic statuses of Kaset Amphoe 2. to investigate the supervision obtainment in the agricultural extension 3. to find out the need for agricultural extension supervision of Kaset Amphoe, and 4. the comparison of Kaset Amphoe's need for agricultural extension supervision based on their social and economic statuses. A sample of 153 Kaset Amphoe in Northeast region were selected at provincial level using quota, and using the purposive sampling methods for Kaset Amphoe who trained Pre-Kaset Amphoe training course and who worked in the irrigated areas. Kaset Amphoe who worked in non-irrigated areas were selected by using the numerical table. Mailed questionnaires were used in data collection. The data obtained were statistically analysed and compared with used of the SPSS\*

the SPSS\* programme for value statistical percentage, arithmetic means, standard deviation, t-test, and F-test. It was anticipated that the research findings could presumably be useful in for the improvement of agricultural extension supervision in the future. The findings of this research were revealed as follows :

**Background of social and economic statuses.** The results showed that the majority of Kaset Amphoe were males whose average age was 46, were bachelor degree graduated or equivalent, had an average monthly salary of 14,749 Baht, less than five years for Kaset Amphoe position holding and work in non-irrigated area.

The supervision obtainment and source of supervisor of Kaset Amphoe in 1981 showed that the majority of them were trained in every subject. In administration included personnel, agricultural extension, budgeting, office administration, the farmers' institutions development, and related activities. In agricultural knowledge consisted of rice technology, field crops, fruit trees, non fruit trees, and vegetable, group and mass extension method. In audio-visual facilities and related activities for supervision, there was pamphlets and leaflet distribution, transparency, study tour real sample, method demonstration, slide, picture, tape recorder their supervisors for every subject was provincial extension staff.

The need for agricultural extension supervision and supervisor. It was found that Kaset Amphoe needed in the area of administration at a high level in area of personnel agricultural extension office, farmer's institution development and related activities. However, the budget administration was

needed at the highest level. The majority of them needed supervision on rice, fruit trees, non fruit trees and vegetables at a high level. Field crops were needed at the lowest level. Furthermore, most Kaset Amphoe needed supervision in group and mass extension method at a high level. They wanted supervisors to use audio-visual aids and supplementary activities in supervising at a high level. Such supervision facilities included video tape recorders, field trips, real object, slide pictures, pamphlets, and leaflet distribution, method demonstration, picture, transparency, and flip-chart. In the supervision management, most Kaset Amphoe preferred a three hours monthly session and conducted at working and subject supervising location. The supervisory staff was either individual or as a team of two or three supervisors. The level of age, sex, and educational graduation were not considerably significant. Their most desired supervisors should be knowledgeable, skillful, fully experienced in extension techniques and effective technology transferring. Furthermore, they should be creativity, confidence, sincerity, and thorough understanding of administrative, subject matter and activities of their office, working together with others in good human relationships, understand strengthened and weakened pointed and other personablities of their own clients. Beyond that the good supervisor should able to suggest and stimulate their target to the most effective performance, attained supervision training course, knowledgable in situation of agricultural production, social, economic, and political circumstances. Inevitably, they have to able to apply such

knowledge and experiences in their own work. They should be able to supervise on every related agriculture subjects and in every situation. The supervisor from provincial level was the most needed for supervising every above subjects and experiences mentioned.

The comparison of Kaset Amphoe's need for agricultural extension supervision based on their social and economic statuses. It was found that there were not significantly different at .05 level in Kaset Amphoe's needs who were different in old age, educational level graduation, monthly salary obtainment, attended pre-Kaset Amphoe training course, working in the irrigated areas in topics of supervision, audio-visual aids application, and activities related to supervision. However, there were significantly different in their needs who had different in duration of Kaset Amphoe position holdings, in topics for supervision.

**Suggestions.** The researcher suggested the following: 1. The Department of Agricultural Extension should arrange for more training course on agricultural extension supervision for supervisors at the provincial level. 2. Both of the supervisors who worked at regional and provincial levels should provide supervisory support for Kaset Amphoe in the areas of personnel, office materials regulation, advising printed matters production, and moral support for staff members, using audio-visual aids and related activities, and 3. Budget allocation should be more provided for Kaset Amphoe in order to their study tour in different location for increasing their knowledge, skill, experiences, and moral support creation.