

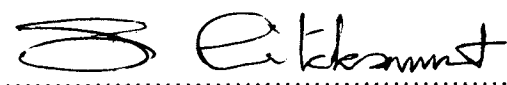
THESIS TITLE: PROMOTION OF GARBAGE SORTING AMONG
THE HOUSEHOLDS

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ABSTRACT

The objectives of this operations research were: 1) to study the knowledge on, attitudes toward and practices of garbage sorting among a sample of household members; 2) to estimate the total volume of sorted garbage and amount of income generated from the sorted garbage; and 3) to present a guideline for reducing dumped refuse from the households.

Development interventions in this study consisted of organizing a workshop cum training, setting up a revolving fund for buying materials sorted from the trashes discarded by all the households that participated in the project, distributing useful program information to members of households, and installing a monitoring and evaluation system.

The site for this study was Kowcham Community located in Tambol Markkhang of the Municipal Area of Udonthanee Province. Data for this study

came from interviewing a member of all sampled households. The method of systematic random sampling was employed to select 294 households. These households were visited and interviewed twice, one before the commencement, and one after the completion of development interventions.

Data analyses were done by using SPSS windows version in order to calculate percentage, mean and standard deviation. Statistical techniques used in testing the differences in knowledge on, attitudes toward and practice of garbage sorting before and after the completion of the interventions were Chi-square, Wilcoxon Signed Ranks Test and t-test. The level of 0.05 was used as a criterion for judging the statistical significance of the differences.

The results from the analyses of data indicated that the interventions provided in this study did have an effect on knowledge, attitude and behavior regarding garbage sorting. Clearly, there were improvement signs. More impressively was the increase in percentage of households that sorted the trashes before dumping them into the garbage collectors from mere 7.8 percent to an unanticipated level of 71.1 percent. The total amount of materials sorted from the trashes was estimated at 6,557 kilograms. Moreover, it was estimated that as much as Baht 4,951.25 were generated, from the selling of materials sorted from the trashes, by all the households members participated in this development project.