

3937288 ENAT/M MAJOR: APPROPRIATE TECHNOLOGY FOR DEVELOPMENT RESOURCES;  
Sc.A.(ENVIRONMENT RESOURCES STUDY)

KEY WORD : APPROACHES/WASTE/RECYCLABLE WASTE

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WASTE. CASE STUDY: COMMUNITY OF WATBANGPAI IN BANGBAUTHONG DISTRICT,  
NONTABURI, THAILAND. THESIS ADVISER: DEBHANOM MUNGMAN, M.D., Dr.P.H.,  
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The research was aimed at establishing an approach to solving the problems related to recyclable waste management. The study included the present waste quantity and management and attitudes towards and patterns of recyclable waste collection, leading to appropriate approaches to designing a recyclable waste management model in Wat Bangpai community. The sampling methodology was proportional in size and dimension. Data were collected from the general public in the neighbourhood, from various organizations and Wat Bangpai committee through questionnaires, focus groups and indepth interviews.

The results of this research showed that the total waste quantity was about 363.12 kg/day. 47.28% was recyclable waste. There were not any factors related to the knowledge at a level of significance 0.05, the factors that were related with people's opinions were sex, type of accommodation, ownership and the area of residence. The behavior related to the area of residence and the implementation of waste separating.

For individuals, the knowledge was positively related to the opinion and behavior, but for the community committees, it was only related to the opinion, the opinion was related to the behavior of both groups i.e. the neighbourhood and Wat Bangpai committees. The first activity for Waste Separation Management Project was based on the use of bill-boards. Most of the sample preferred to have a certain drop-off center and to agree upon the collection of waste on Sundays. Popular opinion and the incentive for cooperation in the Project were positive.

The approaches for recyclable waste management were designed based on the waste quantities, collection method, the willingness for cooperation among organizations, The committee establishment and the coordination among concerned agencies.