

**Research topic:** The Study of Problem, Difficulty and Model of Solid Waste Disposal through Community Participation of Nongplalai Sub-district, Wangsaipoon District, Phichit Province.

**Research name:** Asst.Prof.Patchara Wongsangtian  
Asst.Prof.Bussaba Hintow  
Ms.Phatthanan Kotham  
Mrs.Jitpiman Keawtong

**Faculty:** Management Science

**Institution:** Pibulsongkram Rajabhat University

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### Abstract

The objective of this research was to study the problem, difficulty and model of solid waste disposal through community participation of Nongplalai Sub-district, Wangsaipoon District, Phichit Province. The samples were 16 villages with 98 people by Yamane formulae with 10 % error by simple random sampling. The data were collected by using questionnaire, interview and group discussion of 24 people. The quantitative data were analyzed by using frequency, percentage, mean, standard deviation and the qualitative data were analyzed through content analysis.

The problem and behavior of solid waste disposal of Nongplalai Sub-district was not hygienic due to the fact that the Sub-district local administration has no solid waste disposal, no truck for solid waste collection. The council agreement of the Sub-district local administration was that they assigned each village to dispose the solid wastes within their families. The behavior of the villagers on solid waste disposal was that they separated the recycle solid wastes to sell; however, the organic wastes, general solid wastes, and dangerous wastes were mainly burnt; some families put the solid wastes in plastic bags and disposed on the roadsides or on the empty areas along the roadsides which result to the pollution. The people did not see the importance of the increasing solid waste; they lack the know-how to separate the solid wastes and lack of budget so the model of solid waste disposal of the Nongplalai community used the solid waste

disposal by community starting by the local administration organizing the training for every community to understand the proper solid waste disposal, separating solid wastes from the families and landfill in the house area. Each village designates the spot for dangerous waste disposal and collects them then disposes at the Sub-district local administration. The Sub-district local administration provides the area to collect dangerous wastes for the proper disposal. They will promote and support the constructing of the role model “Solid waste free community project” to encourage the participation of solid waste disposal by community.