

**Research topic:** A Study of the Behavior and the way of promoting people's participation in solid waste management in Khlong Phi Krai Sub-District, Phran Kratai District, Kamphaeng Phet Province.

**Research name:** Asst.Prof.Patchara Wongsangtian  
Asst.Prof.Bussaba Hintow  
Asst.Prof.Wichitra Toonin  
Miss Rosjarek Topithak  
Miss Arunee Mayomtakoo

**Faculty:** Management Science

**Institution:** Pibulsongkram Rajabhat University

**Year:** 2017

**Keyword:** solid waste management, behavior, people's participation

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#### ABSTRACT

The purpose of this research is to 1) study the behavior of people in solid waste management in Khlong Phi Krai Sub-District, Phran Kratai District, Kamphaeng Phet 2) study the way of promoting people's participation in solid waste management in Khlong Phi Krai Sub-District, Phran Kratai District, Kamphaeng Phet. Participatory action research (PAR) was adopted in this research method. Research tools include questionnaires and interviews. This research was carried out by convenience sampling to select population which is 98 people for an indepth interview. A focus group discussion (FGD) was conducted by purposive sampling to select 20 people which are local administrators, local leaders, affiliated members and local members. The data were analyzed through average, percentage, and standard deviation using descriptive statistics and content analysis.

The findings of the study indicated that conditions of solid waste management in Khlong Phi Krai Sub-District, Phran Kratai District, Kamphaeng Phet. The quantity of waste generated from household waste and markets in local area. Trench method was applied in disposal of solid waste by confining waste to as small an area as possible and leaving the large amount of wastes on land and lead the composting sites full. The behavior of people in solid waste disposal, reducing waste, sorting waste, understanding and participation in waste management are at medium level. As they fail to pay adequate attention to solid waste management as well as lacking of cooperation and realization in environmental impacts. In recognition of the importance of community participation in the success of solid waste management is to increase policy and legislation to be geared toward promoting people centered approaches to waste disposal with public education

as the main driver towards increasing community participation. Moreover, the policy should focus on local economic development and solid waste disposal fund including support to policy and local cooperation.