

Thesis Title : Comparison of Effectiveness of Solid Waste
Collection & Transportation in Municipal
Areas

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Abstract

The comparison of effectiveness of solid waste collection & transportation in municipal areas in the Upper Northern Part of Thailand was done by Taxonomy Method. Eighteen indicators were developed for the purpose. It was proved that the method is applicable by ranking the solid waste collection and transportation service given within the study area effectively. The result of the study indicated that the best municipality in management of solid waste collection & transportation was Nan which had the development value (d_1) of 0.6029, the second was Lampang ($d_1 = 0.6689$), the third was Lamphoon ($d_1 = 0.7458$), the fourth was Phayao ($d_1 = 0.8267$), the fifth was Chiangrai ($d_1 = 0.8555$), the sixth was Uthadit ($d_1 = 0.8558$) and the seventh was Prachin ($d_1 = 0.900$). It is believed that the data of this study can be used as a guideline in improving solid waste management of other municipalities.