Charee Sornuch 2012: Learning Model of Waste Disposal and Wastewater Treatment Technology with Awareness. Master of Science (Environmental Science), Major Field: Environmental Science, College of Environment. Thesis Advisor: Associate Professor Ittipol Rasrikreangkai, M.Ed. 139 pages.

The purpose of this study were to investigate the knowledge about development of waste disposal and wastewater treatment of people in Phetchaburi Municipality, Petchaburi Province and creating the learning model to encourage awareness on waste disposal and wastewater treatment technology of The King's Royally Initiated Laem Phak Bia Environmental Research and Development Project Laem Phak Bia Sub-distric, Ban Laem Distric, Petchaburi Province in the Phetchaburi Municipality. This study surveyed the waste and waste water management of the studied area and compile relevant documents to analyze into an appropriate learning model for the Phetchaburi Municipality. All 30 samples was studied as local people in Phetchaburi municipality, the community and volunteer.

Preliminary studies showed that the lack of knowledge about development of waste disposal and wastewater treatment. The Learning Model consist of waste disposal and wastewater treatment in the Phetchaburi Municipality. Educational encourage and create awareness for Learning Model of the target residents. The quality of the modified learning model was considered by 5 aspects of validation (content and structure), discrimination (0.26), difficulty (0.59) and reliability (0.76). The model was tested with community leaders who have important duty on the municipality (n=30). The result shown that this studied model was efficiently and achievement for learning on waste management and waste water as increase 0.05 significantly. The next step, this research conducted on creating and motivating awareness on waste disposal and wastewater treatment technology project. The result indicated the samples relate to criteria of Eco-development consisted of resource, social and economic.

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