

**Thesis Title:** A Development of Local Curriculum on Animals in Mangrove Ecosystem in Tumbol Paktalay, Amphur Ban Laem, Phetchaburi Province By Participatory Action Research

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### **Abstract**

The purposes of this research were: 1) to study a local knowledge based on animals in mangrove ecosystem in Tumbol Paktalay, Amphur Ban Laem, Phetchaburi Province and 2) to develop a local curriculum on animals in mangrove ecosystem in Tumbol Paktalay. The target area were Tumbol Paktalay, Amphur Ban Laem, Phetchaburi Province. The target groups were administrators, teachers, and M. 3 students in Watnork Paktalay School. The method used in this research included focus group, workshop, community survey, interview, achievement test data were analyzed by percentage, mean, and using context analysis.

The results of the research were:

1. The local knowledge based on animals in mangrove ecosystem in Tumbol Paktalay can be divided into 6 groups: 1) prawns 2) cuttlefishes and cockles 3) crabs 4) fishes 5) birds and 6) other animals. The contents can be divided into 5 chapters: chapter 1 general surroundings of Tumbol Paktalay, chapter 2 mangrove ecosystem in Tumbol Paktalay, chapter 3 animals in mangrove forest in Tumbol Paktalay, chapter 4 dispersion and the adaptation of animals in mangroves ecosystem in Tumbol Paktalay, and chapter 5 importance and conservation of mangrove ecosystem in Tumbol Paktalay.

2. The local curriculum development were getting local curriculum that composed of the structure of local curriculum, units of learning and lesson plans. They were suitable for surroundings in local and learners. Learners have more learning achievement and could apply local knowledge to their daily life.

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