ABSTRACT

Thesis Title	:	Development of Production Process of Community Products in Bang Bua Thong District, Nonthaburi Province
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This research entitled “Development of Production Process of Community Products in Bang Bua Thong District, Nonthaburi Province” aimed to study production process and related problems as well as develop production process to reduce costs of production of handicrafts made from Thai soil. The data was collected from 10 respondents by using interview form and structured observation form. Then the results were presented by applying descriptive analysis and quantitative analysis.

The results of this research were illustrated as below.

The study of production process of handicrafts made from Thai soil: A case study of artificial lotus flower made from Thai soil indicated that the costs of production was unnecessarily too high. However, it was divided into several parts to find actual costs as follows.

1. Labor costs: Most of the costs of production of handicrafts made from Thai soil were labor costs. Due to complicated and repeated processes, it required much time to produce the artificial lotus flowers which affected unnecessarily labor costs.

2. Material costs: Expensive materials were not suitable for mass production because some materials were unreasonably lost during certain processes without consideration of materials reuse and there were not any standards to define materials quantity as well.

3. Other costs of production: There were other excessive costs such as transportation, fuel, water and electricity.

Besides, some guidelines were suggested to decrease the costs of production of the handicrafts made from Thai soil: A case study of artificial lotus flower made from Thai soil of an artificial group in Nonthaburi Province as below.

1. Labor cost reduction: The study of working process and evaluation was to find exact time in each production process to calculate standard working time to reduce the working time in each procedure. It was applicable by cutting some repeated or unnecessary processes which could save the costs of production, especially direct labor costs. Therefore, it should emphasize time reduction process to diminish the labor costs.

2. Material costs reduction: There were many ways to save the material costs including equipment selection which could encourage the materials reuse, equipment arrangement and increasing products investigation in each process to lessen the loss or the cost of repair. However, these methods should be tested to search for proper qualification and factors of production of each resource. In addition, the proportion of materials costs of handicrafts, particularly artificial lotus flowers made from painted Thai soil, would be lower if a manufacturer could provide the materials from good and qualified suppliers at reasonable price and control the standard of materials quantity used for each procedure. On the other hand, if any method was difficult to be implemented for the material costs reduction, such method could be exceptable.

3. Other costs reduction: The study of duration and energy to calculate the standard quantity of different energies required for the production consisting of transportation, fuel, water, electricity and cutting duplicate processes was useful to concordantly decrease the costs of production, especially the direct labor costs and other related costs.