

ANALYSIS OF WICKERWORK PRODUCTION PROCESSES FOR LABOR DEVELOPMENT IN PRODUCTION PROCESSES.

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ABSTRACT

The purpose of this research is to 1. Analysis of the production process of basketry production. Meticulous handicrafts. 2. Development of labor force in the production process with full efficiency. By using samples which are Pranee Handicraft Group Chang Buri province, Thailand. The results of the study are as follows: 1. Wickerwork production process consists of important processes which are Preparation of material, weaving and maintenance of basketry conditions 2. From the analysis of the data of the production process, the wickerwork of Pranee Handicraft Group makes it possible to create a solution to the problem in the production process, which is 1) clearly dividing the duty groups in the production process 2) using certain types of work as the distinctive points in the product and 3) Use the design process to create new types of products.

Keywords: production process, basketry, work labor development

INTRODUCTION

Wickerwork is one of handicrafts that has a close relationship with human life and is paired with Thai local wisdom passed on from generation to generation relying on experience, skills and creative expertise. [1] Currently, the trend of wickerwork is increasing. But not a wickerwork according to Meaning that is understood in the past, The utensils of everyday life have changed to a new meaning that has been more popular like Aquatic traps. It is no longer a device for catching fish but becomes a lamp which is responsible for lighting and decorating the house. Therefore, we must adapt ourselves to the recent use. [2] From the above problems, the research team is interested in Industrial craft, which is the method of using skills, production process, simple technology as well as management in the form industry for commercial value expanded into an income generating business especially "Production process" combined with the creative economy, which is a way One of the driving strategies for a balanced and sustainable production structure adjustment for Thailand, based on the cultural roots as a cost and more importantly, can create jobs, generate income, create production processes. Is a step-by-step process that can be utilized at full capacity [3]. Can compete with time, create a variety of the product which should be a development that is suitable for the current situation as a sustainable development.

OBJECTIVES

1. Analysis of the production process of the basketry group Craftsmanship
2. Development of labor in the production process to the fullest efficiency

METHODOLOGY

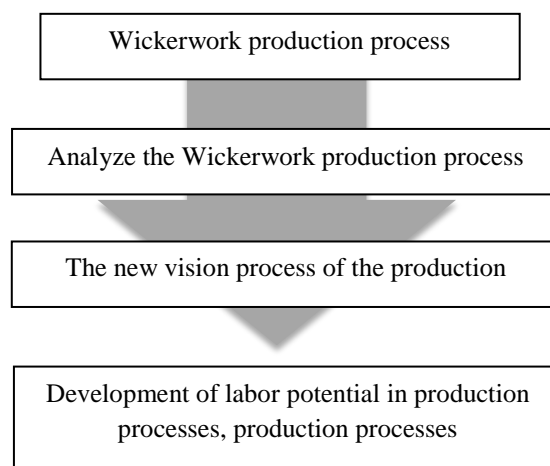
Step 1 Information study

Collecting knowledge about wickerwork from books, research, academic documents And field sources in the area Pranee Handicraft Group Sing Buri province, Thailand, to know the physical characteristics And the production process of the whole basketry system

Step 2 Data analysis

Analysis of the production process, wickerwork, as well as propose guidelines for the development of labor in the system efficiently.

Figure 1
Shows the conceptual framework of the research



RESULTS

Analysis of the production process of basketry work Craftsmanship

The distinctive work of the handicraft group is to change both the meaning or change the function and change the size of the basketry work. From the original, the wickerwork can be divided into 4 groups as follows: 1. Multi-purpose appliances 2. Household appliances 3. Tools for catching animals 4. Tools for ritual beliefs change into a souvenir or collectibles by using the method to reduce the size of the actual work to just 1-2 cm, but still keep the details elaborate whether it's proportions, shapes, methods of weaving patterns by Khun Pranee, using two layers of weave method: weave the structure in the first floor and weave the pattern on the second floor. With the size of the nailed line that is just the size of the yarn, therefore, the work is valuable, showing the attentiveness and high level of skill.

Table 1
Show the production process of wickerwork Pranee Handicraft Group [4]

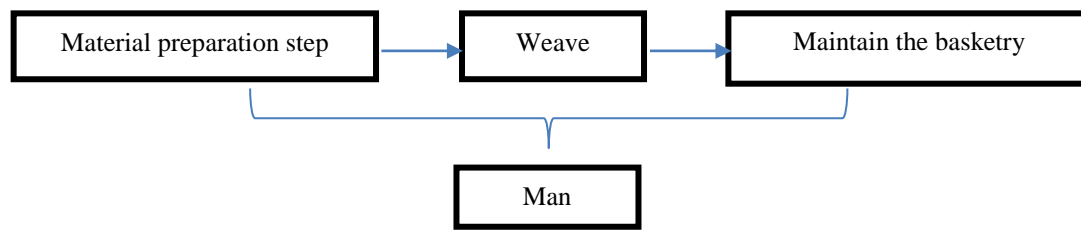
Steps	Characteristics	Patterns
Material preparation step	Make model to do template.	
	Bamboo cutting.	
	sharpen	
	split bamboo into strips.	
	Boil and dye.	
	Break the strips to about yarn size.	
Weave	Weave the first structure.	Khat pattern.
	Weave the second structure.(patterns)	The prototype pattern
	Finishing the top of basketry part.	Jungnaung pattern. Rattan bundle.
	Woven piece.	The prototype pattern
	Assemble pieces of wickerwork	Jungnaung pattern. Rattan bundle.
	Assemble the parts into the desired product.	Rattan bundle.
Maintain the basketry.	Building materials assembly such sedan wood.	
	Neatness check.	

From Table 1, it shows that the production processes of basketry work of Pranee Handicraft Group consist of 3 main processes which are material preparation, weaving and maintenance of basketry conditions.

Figure 2
Pranee Handicraft Group's products



Figure 3
Labor in the current wickerwork production process



From the picture 2, it shows the current use of labor in the wickerwork production process. The Pranee group still uses only one labor force in almost every production process. The hammer lines may be prepared from the group, but not the hammer lines that can be woven immediately. It needs to be hammered to get the exact size. The artisan will create the size which affects the production time. It takes a long time to produce 1 workpiece if analyzed positively. It increases the value of the work because it takes a long time to produce. On the other hand, the price does not reflect as much time as it should be sufficient production to meet the needs of consumers should be a solution for the next level of wickerwork.

The development of labor in the production process to the fullest efficiency

From the analysis of the work process steps of the small basketry work, Pranee Handicraft Group Therefore found the reason that there is currently no small basketry technician except Khun Pranee. From the interview, Khun Pranee Winyukul (Figure 4) finds that, even though Khun Pranee is 67 years old, he is still able to weave fine wickerwork unlike other technicians. That is no one wove the tiny work even though the price is as high as 2000-2500 baht per piece. The most excuse is to say the same voice that the eyes are not good. Tiny size is too small. It is also not able to pull the new generation into a basketry occupation from the elaborate details in every step of the basketry work as well.




Figure 4
Mrs. Pranee Winyukul (The founder of Pranee Handicraft Group)



Solution

1 If in the production of basketry that is small with elaborate detail, relying on only one mechanic to challenge every step, it would be very difficult to weave small items because the very detailed details in each step and the expertise of each mechanic may not be the same. Therefore, the way to separate the parts to challenge only the parts according to aptitude should be the right way. It is also easier to train new generation technicians instead of having to challenge all the steps. After slowly, then gradually developed into steps or wickerwork that uses expertise, resolution gradually increased.

Table 2
Table showing the technical group of basketry

Work details	Patterns
2-layer structure that can be woven on the template	
Delicate weave pattern	
Beautiful edge collection	

2 rely on expertise in some techniques in the weaving process through the design process to create a new product without changing the methods or techniques of local weaving. The fineness of the wickerwork is still the same, but the workpiece size may be larger than the smallest object (1-2 cm) but can still add more value. It seems to be another interesting wa. If we organized a group of outstanding techniques of basketry, it can be divided into Table 2.

When dividing the categories of production processes, wickerwork and distinctive work styles into sections, we will find interesting in the production process of small wickerwork. That should be able to solve the labor problem to a certain extent by

- (1) Clearly divide the duties groups in the production process
- (2) Use certain types of work as a feature in the product

(3) Use the design process to create a new type of product

When using all 3 steps systematically, it is possible to create a production process that can create new products and use labor more efficiently and should be able to attract new generations to be more interested in wickerwork.

CONCLUSION AND FUTURE WORK

Design process in creating new forms of products is the design process that is an important production step in product development through creativity and systematic work. It is divided into 5 main topics, 1) Design concepts 2) Design draft 3) Select model 4) Create product prototypes 5) Assess product prototypes which will be important parts and can use the method of division of labor to increase the efficiency of labor in the production process to sustainably create valuable works

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REFERENCE

- [1] Noppadon Sangwalpetch. (2014). The Application of Rhizophora Wood to Design: a Walking Stick for Elderly, **Journal of Medical, Pharmaceutical Science and Engineering**, 8(4), 200-202.
- [2] Akapong Inkuer.(2017). The Study of Traditional Basketry Loa-Song Apply for Decorative Products. **Journal of Industrial Education**, 16(3), 108-116.
- [3] Junjira Monnin(2015), "Fabric printing design for Thai contemporary furniture, inspired from Rattanakosin Arts.", Suan Sunandha Rajabhat University, Thailand
- [4] Akapong Inkuer.(2015). Wickerwork Process Analysis Apply for Home Decoration Design: Pranee Handicraft Sing Buri Thailand. *Procedia - International Academic Multidisciplinary Research* 138-141