

Proceedings of the Training Course on “Rattan Weaving and Furniture Making”



Ban Kampang San, Moo 7, Tambon Kaem Onn,
Jombung District , Ratchaburi Province
18 August – 2 October 2003

Organized by

Royal Forest Department, Bangkok, Thailand

with the Cooperation and Support of

The International Tropical Timber Organization (ITTO)



PREFACE

The Training Course on Rattan Weaving and Furniture Making is one of the important activities under the PD 24/00 Rev.1(I) Project on Promotion of Sustainable Utilization of Rattan from Plantation in Thailand. The training course aimed to promote and develop the rural people's skills in utilizing rattan canes and to increase their income by producing high quality products. The course was divided into three parts: lecture on general information of rattan (plantation, harvesting, and marketing), workshop (rattan weaving and furniture making), and field trip.

This training course was held at Ban Kampaengsaen, Moo 7, Tambon Kaem Onn, Jombung district, Ratchaburi province during 18 August - 2 October 2003. Project staff consisted of the officers from Royal Forest Department and National Park, Wildlife and Plant Conservation Department. The activities included investigation and coordination for the appropriate trainers and trainees in the fields of rattan weaving and furniture making, organization of training activities, provision of tools and transfer of experiences, and evaluating the achievement of training course. Thirty-one participants were selected from local communities who were interested in developing their knowledge and skills in rattan weaving and furniture making.

Opening ceremony was chaired by Mrs. Wanida Subansenee, Consultant of the Project, followed by report on objective and contents of the training and how the training was conducted by Ms Pannee Denrungruang, the Project Leader.

During the training course, participants were divided into 2 groups, one for rattan weaving and another for furniture making. After the course ended, all participants could pass the evaluation standard (interest and outcome of their practical works). All necessary equipment and materials used during the training were donated to the community and kept with the leader of community. All trained participants can borrow and use the equipment to increase their income by producing high quality of rattan product.

ACKNOWLEDGEMENT

The project members would like to extend the heartfelt gratitude to the International Tropical Timber Organization (ITTO) for financial support to this project and to the all participants for their great cooperation that contributed to the success of this training. The resource persons from Industrial Promotion Regional Centre, Supan Buri province are very kind and helpful to make this training successful. The hospitality of the people of Ban Kampaengsaen, Moo 7, Tambon Kaem Onn, Jombung district, Ratchaburi province is very much impressed by all visitors and should receive a lot of thanks. Last but not least, special thanks are given to staff who work very hard during the entire course of this training that would not have been possible without them.

Training Course
on
Rattan Weaving and Furniture Making

18 August –2 October 2003
Ban Kampaeng Saen, Moo 7, Tambon Kaem Onn
Jombung District, Ratchaburi Province

Organizers

Advisor

Mrs. Wanida Subansenee

Organizing Committee

Ms. Pannee Denrungruang

Dr. Rungnapar Pattanavibool

Mrs. Mayuree Jitkaew

Ms. Paiwan Lek-u-thai

Secretariat

Mr. Smit Boonsermsuk

Ms. Natthakorn Semsantud

Ms. Wathinee Thongchet

Ms. Varuesa Wannakhun

Budget and Finance

Ms. Paiwan Lek-u-thai

Ms. Walaiporn Satitvibool

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PD 24/00 Rev. 1 (I) Peoject
Promotion of Sustainable Utilization of Rattan from Plantation in Thailand
Training Course
on
Primary Rattan Furniture and Weaving

1. Rationale and Justification

At present, a large volume of rattan in Thailand are harvested from both natural forest and plantation. However, the utilization of rattan is still inefficient resulting in decreasing resources and product value. In fact, rattan is one of the high potential raw materials for making high value-added products such as furniture, weaving products and interior parts of the house but most villagers are lacking of knowledge, skills and experiences to use these raw rattan materials for making of various types of products.

To encourage rural people to earn more income from rattan products, Royal Forest Department with the cooperation of International Tropical Timber Organization (ITTO) places the emphasis on the development of rattan cane utilization and the increase in product values. Therefore, the project on **Promotion of Sustainable Utilization of Rattan from Plantation in Thailand** aims to transfer technologies rural people through training workshop.

2. Objectives

- 2.1 To allow the participants to learn the proper way to harvest and to prepare rattan canes for making furniture and weaving products.
- 2.2 To give an opportunity to the participants to practice primary techniques to make furniture and weaving products.
- 2.3 To enhance the participants' skills to produce rattan products at home industry or local industry level and to earn more income by selling their high quality products in the local market.

3. Processes of training course

The course consists of 3 parts: lecture, workshop and field trip.

4. Curriculum

4.1 Lecture

- Utilization on technical skills for better development.
- Principle of growing, harvesting and grading of rattans for furniture and weaving purposes.
- Marketing and business of rattan furniture and weaving products.
- Working experiences on rattan products.

4.2 Workshop

- Procedures of harvesting, grading and selecting of rattan canes to be used as raw materials.
- Basic and applied techniques for rattan weaving and furniture making such as sharpening, steaming, bending, pattern designing, dyeing, and vanishing.

5. Lecturer

5.1 Mr. Boonchoob Boontawee (Senior Researcher, Royal Forest Department)

5.2 Mr. Chanatip Kuldilok (Senior Researcher, Royal Forest Department)

5.3 Ms. Areewan Angkasirikul (Marketing Consultant)

5.4 Mr. Suthep Srilanutch (Expert on Rattan Furniture)

5.5 Mr. Kampol Vitheesit (Industrial Promotion Regional Centre, Supan Buri Province)

5.6 Mr. Vieng Wareenil (Industrial Promotion Regional Centre, Supan Buri Province)

5.7 Mr. Chinaworn Chotithawornrat (Industrial Promotion Regional Centre,
Supan Buri Province)

6. Workshop technique

Lecture and practice.

7. Venue

Baan Kumpaengsaen Moo 7, Jombung district, Ratchburi province.

8. Duration

45 days from 18 August to 2 October 2003.

9. Participants

31 participants from village, nearby the project area, and the interested persons.

10. Budget

International Tropical Timber Organization (ITTO)

11. Organizers

PD 24/00 Rev.1(I) Project : Promotion of Sustainable Utilization of Rattan from Plantation in Thailand, Royal Forest Department, Industrial Promotion Regional Center, Suphan Buri province.

12. Course evaluation

Evaluation will be done during and after training using questionnaire, observations and results from the workshop.

13. Expected output

Participants are expected to be able to apply the knowledge gained from this training course.

14. Certificate

Certificate will be awarded to the participants who attend more than 90% of the course.

15. Preparation before and after the training workshop

15.1 Nominating the persons in charge for the training workshop.

15.2 Selecting suitable location and duration for the training workshop.

15.3 Sorting out for the appropriate group of trainers and trainees.

15.4 Coordinating with the lecturers, related organizations, and places for field trip.

15.5 Setting the program of the training workshop.

15.6 Proceedings of the training workshop.

15.7 Preparing and maintaining necessary equipment and building for the training.

15.8 Evaluating the result of training workshop after the course is over.

15.9 Summarize results from the training workshop.



Program of Training Course
Rattan Weaving and Furniture Making
18 August – 2 October 2003
at Baan Kumpangsang Moo 7, Jombung district, Ratchburi province

Monday 18 August 2003

09.00-16.00 Registration

Tuesday 19 August 2003

09.00-10.00 Registration
 10.00-10.30 Opening Ceremony
 10.30-10.45 Coffee Break
 10.45-11.15 “Utilization on Technical Skills for Better Development”
 Mr. Boonchoob Boontawee
 11.15-12.00 “Rattan Plantation and Harvesting”
 Mr. Chanatip Kuldilok
 12.00-13.00 Lunch
 13.00-14.30 “Business and Marketing of Rattan Weaving and Furniture”
 Ms. Areewan Angkasirikul
 14.30-15.30 “Working Experiences on Rattan Products”
 Mr. Suthep Srilanutch
 15.30-16.30 “Orientation on Rattan Weaving and Furniture Making”
 Resource persons, Department of Industrial Promotion

Wednesday 20 August 2003

09.00-12.00 Workshop on Rattan Weaving and Furniture Making
 -Preparation of rattan raw material
 -Size selection, shortening and bending
 -How to use the tools
 12.00-13.00 Lunch
 13.00-16.30 Demonstration on Rattan Weaving and Furniture Making

Thursday 21 August 2003 to Tuesday 26 August 2003

09.00-12.00 Workshop on Rattan Weaving and Furniture Making
 12.00-13.00 Lunch
 13.00-16.30 Continue Workshop

Wednesday 27 August 2003

09.00-17.00 Fieldtrip to Ang Thong Province
 -Visit "Thai Duern Pen" raw rattan factory
 -Visit the successful group in furniture and weaving at Bang Chao Cha,
 Career Promotion Centre

Thursday 28 August 2003 to Wednesday 1 October 2003

09.00-12.00 Workshop on Rattan Weaving and Furniture Making
 12.00-13.00 Lunch
 13.00-16.30 Continue Workshop

Thursday 2 October 2003

09.00-12.00 Workshop on Rattan Weaving and Furniture Making
 By-Expert from Ministry of Industrial Promotion
 12.00-13.00 Lunch
 13.00-14.30 Discussion
 14.30-14.45 Coffee Break
 14.45-16.30 Course Evaluation and Certification Ceremony
 Closing Ceremony



Training Course
on
Rattan Weaving and Furniture Making
27 August 2003
Ang Thong and Ayutthaya Province

Field Trip Program

Time	Title
07.00	Departure from Baan Kumpangsan Moo 7, Jombung District, Ratchburi Province
10.00	Arrive to Thai Duern Phen Co.Ltd. rattan raw material company at Ang Thong Province
11.45	Leave for Bang Chao Cha Career Promotion Centre
12.15	Arrive to Bang Chao Cha, visit successful group in furniture and weaving
12.30	Lunch
13.30	Briefing on role and activities of the center
14.00	Observing the activities of the center
15.30	Leave for Baan Kumpangsan Moo 7, Jombung District, Ratchburi Province
17.00	Reach Baan Kumpangsan Moo 7, Jombung District, Ratchburi Province

OPENING REPORT

Panee Denrungruang

Project Leader

Chairman, Distinguished Guests and Participants,

On behalf of the Organizing Committee and all participants, I would like to thank the consultant of the project for coming to preside over the opening ceremony of Training Course on Rattan Weaving and Furniture Making today.

The way of creating rattan furniture and weaving products is comparable to the valuable local wisdom that should be promoted and maintained to the younger generations. The Forest Economic and Forest Products Research Office, Royal Forest Department aimed to encourage the local people to gain more income by developing the techniques for efficient utilization of rattan cane to increase the value of products. The project has been started in 2001 with financial support from the International Tropical Timber Organization (ITTO).

The objectives of the training course are to share the knowledge on efficient utilization of rattan cane and to develop the skills for rattan weaving and furniture making to produce high quality products which reach the standards to sell in both local and international markets. This will not only increase an extra income to the household but also reduce the usage of wild rattan from natural forest.

The training course is divided into 2 parts: lectures and workshop. The lecture consists of information on rattan plantation, harvesting, screening, and marketing. The workshop deals with the techniques to produce furniture and weaving products, dyeing and designing, etc. Moreover, 1-day field trip is arranged to bring the participants be acquainted with each other. Thirty-one participants are villagers, farmers and those who are interested.

Special thanks are given to Royal Forest Department, National Park Wildlife and Plant Conservation Department, Industrial Promotion Department, Petroleum Authority of Thailand and several other provincial offices for cooperation and support to organizing this training workshop. On this occasion, I would like to invite Mrs. Wanida Subansenee; Consultant of the Project; to officially open the training course and deliver the keynote address.

OPENING ADDRESS

Wanida Subansenee

Consultant of the Project

Project Leader, Participants and Distinguished Guests,

It is a great honor for me to come to chair the opening ceremony of the Training Course on Rattan Weaving and Furniture Making.

In my opinion, this training course is special arrangement for an outstanding community that is interested in producing rattan products to gain more knowledge and understanding to use rattan cane efficiently and to produce high quality products especially furniture and weaving that needs more skills and experiences.

The course is rather short, but it would be a very special moment for all of you to have a chance to gain more knowledge from experienced persons especially from the lectures, workshop and field trip. Participants are supposed to technically utilize rattan canes more efficiently and be able to develop the products for higher value.

I hope that the outcomes of this training will be used in developing your career and yield the benefit to yourself and your community.

May I have this opportunity to wish the organizing committee and all staff, the International Tropical Timber Organization (ITTO), and all participants to have good health and success.

Now it is a good time to declare the training course open.

Summary of the Training Course

Before the start of the training course, the project has tried to enhance the local community by supporting on preparation and maintenance of site, structure and equipment. The project has also got well accompanied and cooperated with the members of community and the Petroleum Authority of Thailand in the construction of one-story multipurpose building to be used for the workshop. Some equipment was borrowed from Industrial Promotion Regional Centre, Supan Buri province.

The Training Course on Rattan Weaving and Furniture Making consisted of lecture, workshop and field trip. Participants for the practical workshop were divided into 2 groups, *i.e.* furniture making group and weaving group.

Contents of the training included the following.

1. Utilization of technical skills for better development.
2. Principle of growing, harvesting and grading of rattans cane for furniture and weaving purposes.
3. Basic and applied technique on rattan weaving and furniture making.
4. Marketing and business on rattan furniture and weaving.
5. Working experiences on rattan products.
6. Orientation on rattan weaving and furniture making.
7. Tip and techniques on how to use the equipment.
8. Rattan raw materials and other components to be used for the product.
9. Practical workshop on making of furniture and weaving product.
10. Field trip to the rattan raw material company, and

As a result of the training, 23 types of products were produced (13 types with 85 pieces of furniture and 10 types with 161 pieces of weaving products) as shown in the annex. During the workshop, one day trip was arranged to visit “Thai Duarn Phen” raw rattan factory, Chai Vivat rattan product manufacture and the successful group in furniture and weaving at Bang Chao-Cha, Career Promotion Centre, Ang Thong Province.

Rattan Weaving and Furniture Making
18 August –2 October 2003
Ban Kampang San, Moo 7, Tambon Kaem Onn,
Jombung District, Ratchaburi Province

Training Course Evaluation

Part 1 General Information

1. Gender Male Female 2. Age 17 - 66 years
3. Education primary school secondary school Vocational Higher school
 Other
4. Skill on making furniture and weaving product none a few skillful
5. Group of training weaving furniture

Part 2 Workshop

Curriculum and Trainers	Opinion (%)				
	Best	Good	Moderate	Fair	Poor
1. Understanding about raw material	30	30	30	6.67	3.33
2. Knowledge on how to use an equipment	36.67	46.67	16.66	-	-
3. Capability on knowledge transfer	56.67	10	30	3.33	-
4. Technique and method of training	56.67	13.33	20	10	-
5. Processing on production	40	36.67	16.67	6.66	-
6. Skillful and intelligence of the trainers	46.67	36.67	10	6.66	-
7. On time behavior	60	36.67	3.33	-	-
8. Appropriate of the trainers	46.67	40	10	3.33	-
9. Knowledge gained after trained	6.67	43.33	40	6.67	3.33
10. Time and duration	10	16.67	23.33	13.33	36.67
11. Location	30	43.34	13.33	10	3.33

Part 3 Knowledge Expanding

1. Applying the knowledge for daily life.

17 much 6 less 5 seldom unable other.....

2. Supported need from Ministry of Industrial Promotion

- Need expert's guide for the new designs and technology including equipment and marketing.

3. The support from Royal Forest Department

- Need more training in higher step, rattan and bamboo raw material, and technique on marketing.

4. Problems

- Lack of budget to purchase raw materials and equipment especially to hire the expert.

5. Other suggestions

- Follow up of the project team to guide for the marketing and improving of the product designs.

- Developing of public utility such as road, water supply, and electricity.

6. Additional knowledge needed

- Advance course in rattan furniture making and weaving to upgrade skillful and product quality.

- Knowledge about law and marketing to be able to competes with other producers.

- Resource person to update the knowledge.

Expectation and commitment from the training course

The participants' expectation and commitment can be summarized as follows:

Expectation	Commitment
<ul style="list-style-type: none"> • Knowledge, experience, occupation • Gain new knowledge and experience • Bring back knowledge to the village • Transfer experience and extension • Application of skill for practical work • The knowledge learnt will be useful for present and future generation 	<ul style="list-style-type: none"> • 100% satisfaction • Interesting in training • Training with satisfaction and strong intention • Pay attention to all programs for best outcome • Satisfy to exchange experiences • Believe in the resource persons and bring experiences back home • Complete all the training program with interest for future application

Suggestions

The training course on Rattan Weaving and Furniture Making is aimed to elucidate local people on how to harvest and utilize rattan in the appropriate way especially in terms of making furniture and weaving products. Moreover, high quality products will also increase more income, which related to development and stability of household or community manufacture. According to the training course there are some suggestion as follows.

1. There should be some monitoring program to evaluate the development of each participant.
2. Sufficient amount of high quality furniture and weaving products should be prepared in case of products required for any exhibition at different occasions.
3. Control the quality and develop the design regularly.
4. Survey for the stock of rattan raw materials
5. Local rattan product cooperatives should be established.
6. Establish rattan plantation for cane production to supply raw materials and to avoid illegal harvesting from natural forest.
7. Coordination among participants, resource persons, and concerned institutions should be strengthened to help improving product quality and markets in future.

CLOSING REPORT

Rungnapar Pattanavibool

Deputy Project Leader

Consultant of the Project, Participants and Distinguished Guests,

On behalf of the training committee and all participants, it is my great pleasure to make the report on the Training Course on Rattan Weaving and Furniture Making.

This training course is held under the project PD 24/00 Rev.1(I) “Promotion of Sustainable Utilization of Rattan from Plantations in Thailand” supported by the International Tropical Timber Organization (ITTO). Objectives of the training are to train and develop skill on rattan weaving and furniture making including proper way of growing and management of rattan. The training will lead all participants to develop the quality of products and to establish the local community group to produce and sell the products at good price for more income will be generated..

The training course has been started on 18 August 2003 and lasted for 45 days. There are 31 participants who are farmers and interested people attending the lectures and workshops of various topics such as rattan plantation management, grading of rattan canes, marketing, and practical workshop on the techniques of weaving, dyeing, and making furniture.

During the 1-day field trip, participants also have a chance to visit rattan raw material factory in Ang-Thong province to get acquainted with the source of material and to investigate the managing of raw material. At Bang Chao-Cha, Career Promotion Centre, participants had a chance to learn how to establish the local cooperatives with the successful group of local people in furniture and weaving products. On the way back, participants had an opportunity to investigate and enjoy buying various kinds of rattan products at rattan furniture and weaving manufacture to encourage them to modify what they've seen with their job.

During the whole period of training course, we have received the hospitality from both government and private sectors such as Royal forest Department, National Park

Wildlife and Plant Conservation Department, Industrial Promotion Department, Petroleum Authority of Thailand and provincial offices and well accompanied from all participants who were attempting to be trained until the training is successful.

On this occasion, I would like to request the consultant of the project to present the Certificate of Achievement to the participants and give a closing speech.

CLOSING REMARK

Wanida Subansenee

Consultant of the Project

Training Committee, Distinguished Guests and Participants;

It is a great honor for me to chair the closing ceremony for the training course on “Rattan Weaving and Furniture making” today. I am glad to hear that this training course is successful and reach our objective as expected.

The objectives of this training course are to train and to develop skills on rattan weaving and furniture making including proper way of growing and management of rattan. The training will lead all participants to develop the quality of products and to establish the local community group to manage the production and produce and sell products at better price. Moreover, participants have a chance to share and exchange the knowledge with other organizations and local groups. Therefore, I would like all of you to bring your knowledge to apply to develop your career effectively based on the way of life. This will also initiate the participation in community development.

Please remind that, along the process of making furniture and weaving product, rattan cane is needed as raw material. At present, natural rattan is scarcely found especially at Ratchaburi province. Also, the cutting of rattan from natural forest is prohibited. Thus, participants should concern and try to apply the planting and managing techniques on rattan plantation to produce raw material on sustainable basis. However, if the raw material is shortage please try to buy it from the legal place.

I would like to thank the organizing committee, resource persons, training committee and all participants for kind cooperation and contribution to make the training successful.

I would like to wish all of you the good luck and return home safely.

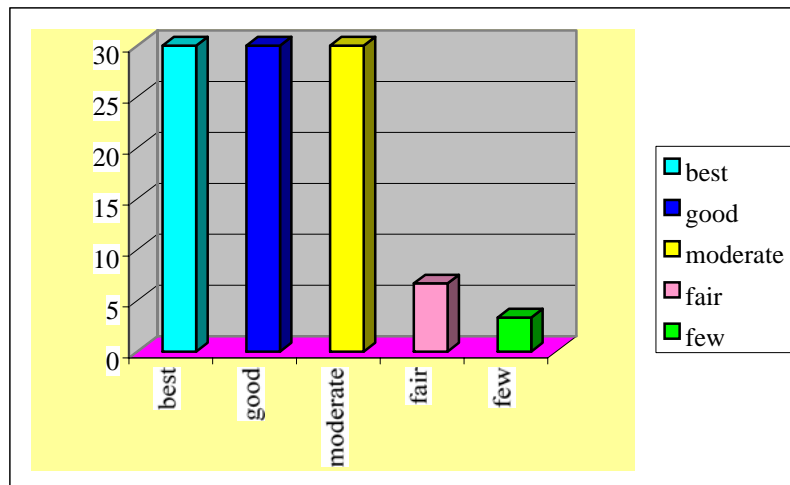
List of participants
Training Course on
Rattan Weaving and Furniture Making
18 August – 2 October 2003
at Baan Kumpangsang Moo 7, Jombang district, Ratchaburi province

- | | |
|--------------------------------|------------------------------|
| 1. Mrs. Kanokwan Petchsaikaew | 26.Mr. Somnuk Chandee |
| 2. Mrs. Kornvipar Kultha | 27.Mr. Samreong Panyai |
| 3. Mrs. Chamnong Petchsaikaew | 28.Mr. Suksaen Pungbumrung |
| 4. Mr. Narongchai Joythongmoon | 29.Mr. Arnond Thunkokegruad |
| 5. Ms. Thongyou Saehoa | 30.Mrs. Saengduang Pinjainum |
| 6. Ms. Napaporn Wannakharnung | 31.Mr. Sampao Tinnilwong |
| 7. Mrs. Paeng Tinnilwong | |
| 8. Mrs. Nittaya Panyai | |
| 9. Mrs. Benjamas Patsawai | |
| 10.Mr. Rin Nasoak | |
| 11.Mrs. Saijai Wannakharnung | |
| 12.Mrs. Samnuang Patsawai | |
| 13.Ms. Supaporn Indrawattana | |
| 14.Mrs. Suwan Tinnilwong | |
| 15.Ms. Noi Jandee | |
| 16.Ms. Jarunee Karnjanapet | |
| 17.Ms. Uang Tinnilwong | |
| 18.Mr. Teeravut butaradee | |
| 19.Mr. Waravut Suwanratana | |
| 20.Mr. Booncherd Petchsaikaew | |
| 21.Mrs. Puangpetch Yodsom | |
| 22.Mr. Vichit Sathientheraparp | |
| 23.Mrs. Phew Khumyart | |
| 24.Mr. Loam Panyai | |
| 25.Mr. Siri Chandee | |

Bar chart showing an evaluation result

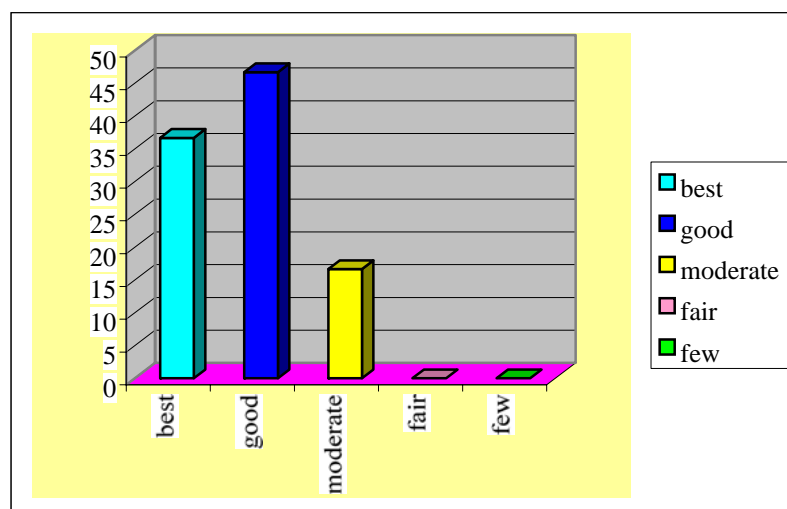
1. Understanding about raw material

best	good	moderate	fair	few
30	30	30	6.67	3.33



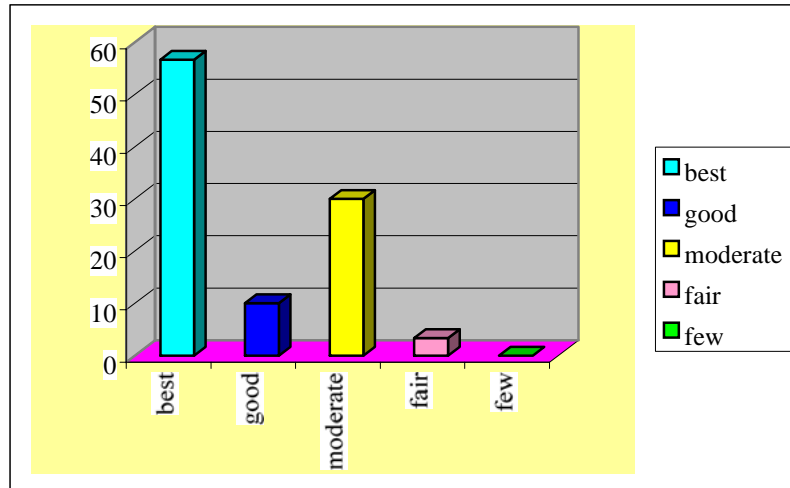
2. Knowledge on how to use an equipment

best	good	moderate	fair	few
36.67	46.67	16.66	0	0



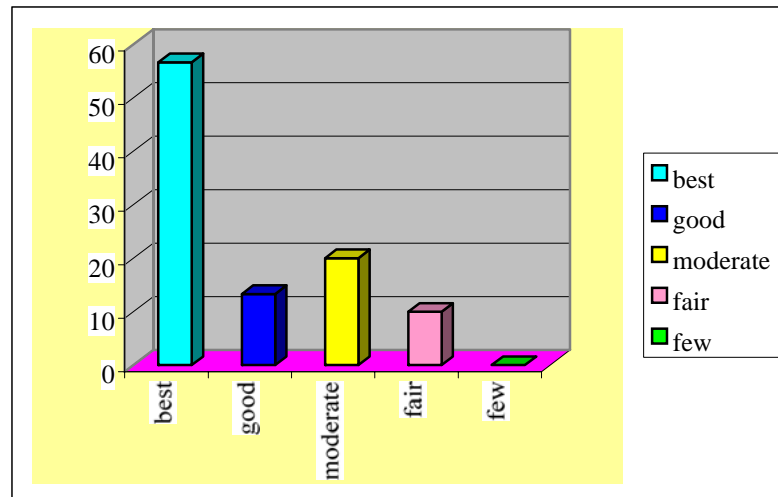
3. Capability on knowledge transfer

best	good	moderate	fair	few
56.67	10	30	3.33	0



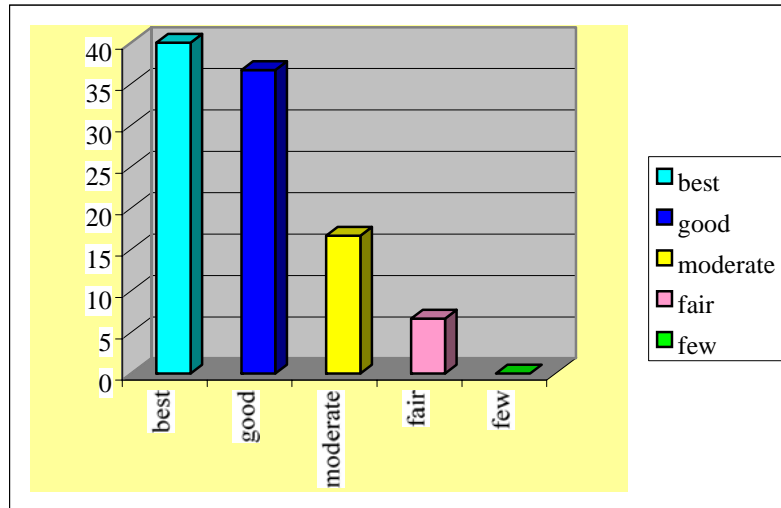
4. Technique and method of training

best	good	moderate	fair	few
56.67	13.33	20	10	0



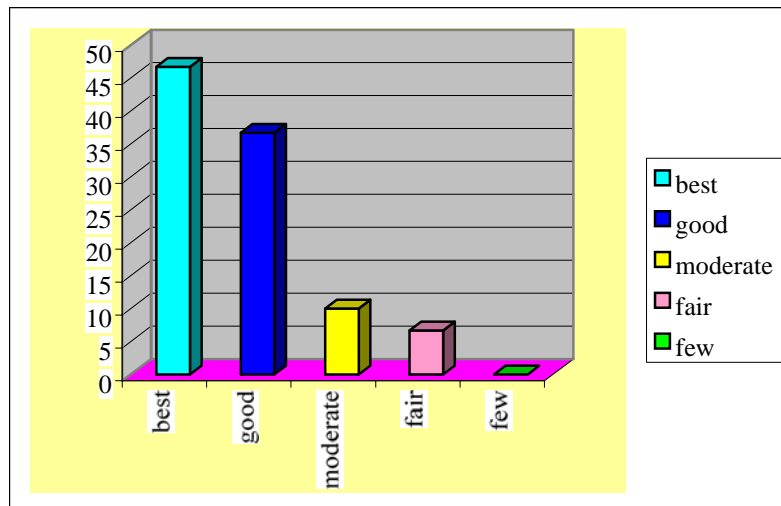
5. Processing on production

best	good	moderate	fair	few
40	36.67	16.67	6.66	0



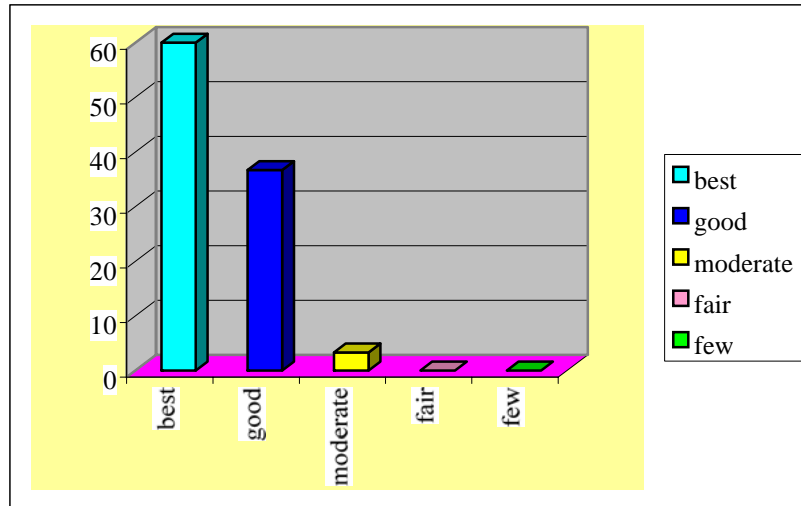
6. Skillful and intelligence of the trainers

best	good	moderate	fair	few
46.67	36.67	10	6.66	0



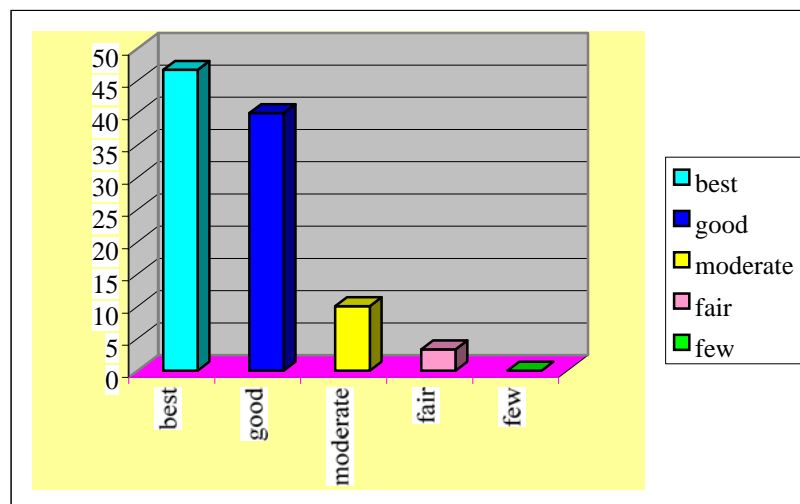
7. On time behavior

best	good	moderate	fair	few
60	36.67	3.33	0	0



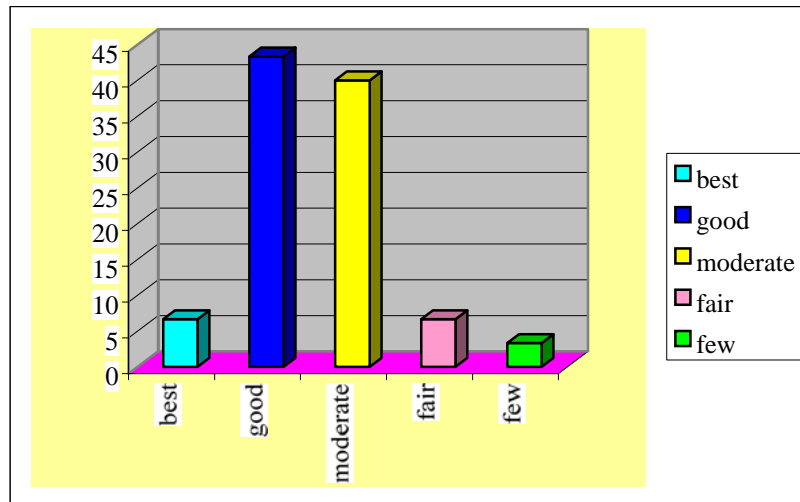
8. Appropriate of the trainers

best	good	moderate	fair	few
46.67	40	10	3.33	0



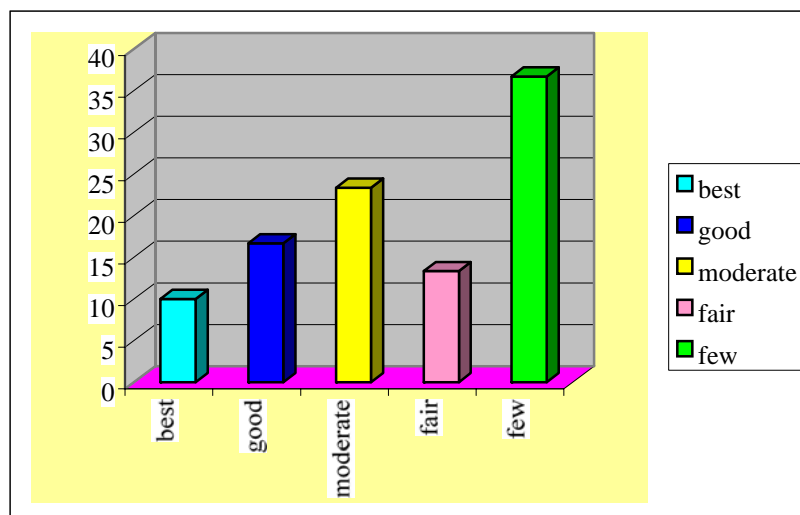
9. Knowledge gained after trained

best	good	moderate	fair	few
6.67	43.33	40	6.67	3.33



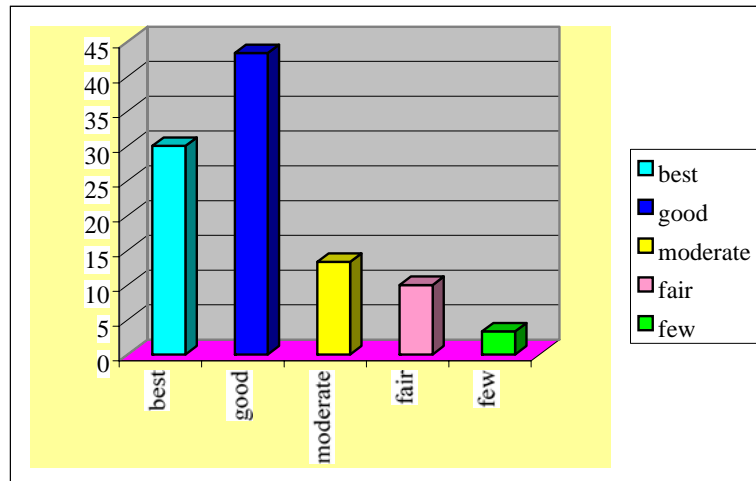
10. Time and duration

best	good	moderate	fair	few
10	16.67	23.33	13.33	36.67



11. Location

best	good	moderate	fair	few
30	43.34	13.33	10	3.33



ANNEX



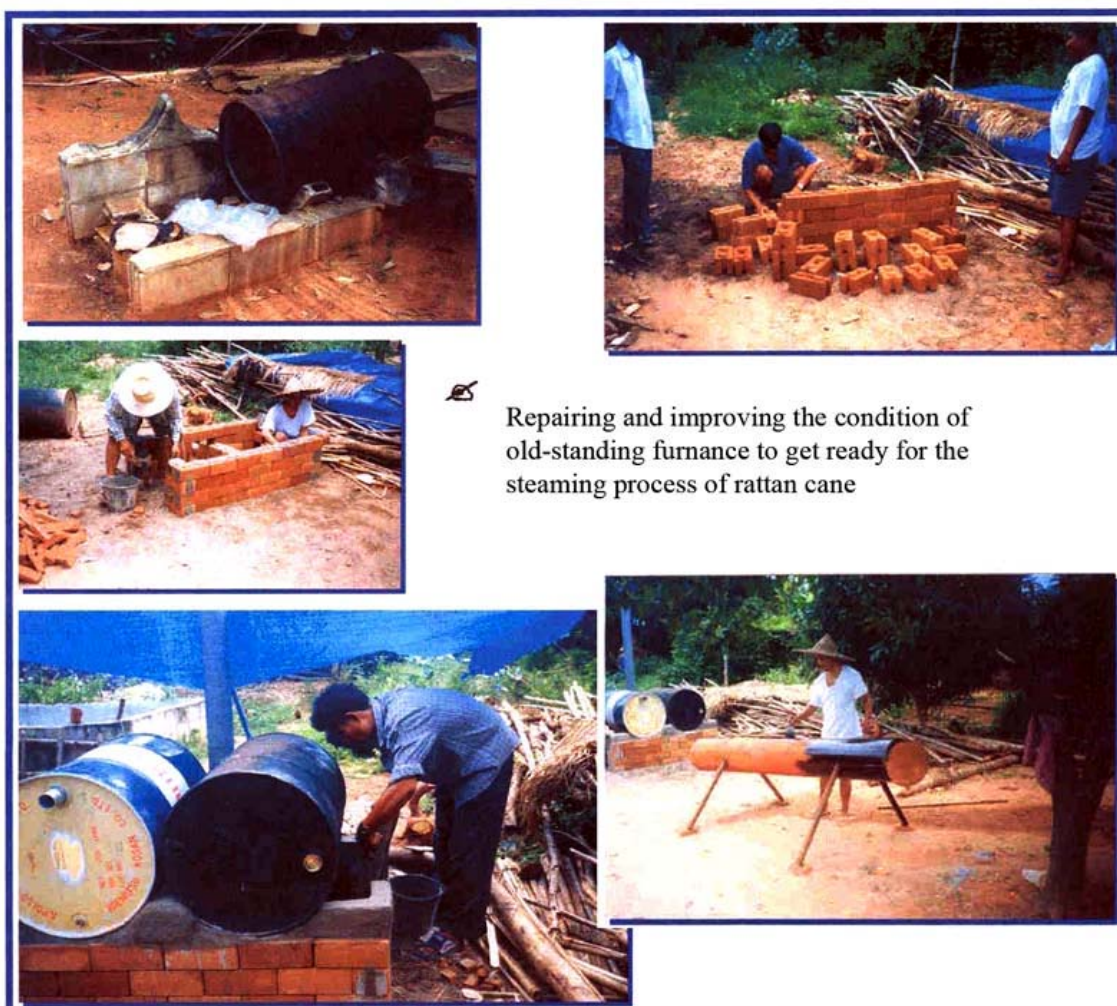
✍ Gathering of community's members in the constructing of multipurpose building to be use for the workshop



✍ Preparation of materials and equipment for the workshop on “ Rattan Weaving and Furniture Making”



Opening ceremony at Ban Kampaeng Saen, Moo 7, Tambon Kaem Onn, Jombung District, Rachaburi Province on 19 August 2003



Repairing and improving the condition of old-standing furnace to get ready for the steaming process of rattan cane



Practical workshop on Rattan Weaving and Furniture making





✎ Example of rattan furniture and weaving products



✎ Investigating Thai Duern Phen Co.Ltd. rattan raw material company and Bang Chao-Cha, Career Promotion Centreat Ang Thong Province