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Assembly Training, Software Installation and Computer Troubleshooting at Karang Putih Community Learning Activity Center

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A B S T R A C T

This service activity will be focused on everything related to assembly, software installation and computer troubleshooting for participants in the Karang Putih Community Learning Center (PKBM). The activity steps are carried out in several stages, starting from field surveys, literature studies, discussions, to the implementation of training activities that use an approach between theory and practice. Indicators of the success of this activity are the Assembly Training, Software Installation and Computer Troubleshooting. This training is used by partners, by seeing that this training has been in accordance with the needs of the community in the partner environment; This training can help the educational process and skills in practice quickly; and this training can be conducted by other Community Learning Activity Centers (PKBM). The attention of the participants in this activity was quite large, almost all of them were active in the discussions and practices that were carried out. From this discussion and training it was revealed that about 75% of the participants had understood the material as a whole.

INTRODUCTION

Law No. 20 of 2003 concerning the National Education System gives a signal that non-formal education is an important part of the National Education system. Non-formal education as well as formal education has an important role in efforts to increase human resources (HR), namely the development of the potential of students to become human beings who believe and have devotion to God Almighty, have noble character, healthy knowledge, competent, creative, and independent to become responsible and democratic citizens. In line with that, Community Learning Activity Center (PKBM) Karang Putih is a forum for various community learning activities directed at empowering the potential to drive development in the social, economic and cultural fields.

PKBM Karang Putih was formed by the community, belonging to the community and managed by the community to expand services for the learning needs of the community. The formation of PKBM Karang Putih was carried out by taking into account the potential sources in the area concerned, especially the number of target groups for the type of business/skills that economically, socially, and culturally could be developed to improve the welfare the people and community members. In general, PKBM Karang Putih was formed with the aim of expanding opportunities for community members, especially those who are unable to increase the knowledge, skills, and mental attitudes needed to develop themselves and work for a living.

To overcome these problems, community service activities were carried out to increase community competence and knowledge. The target of this activity is PKBM Karang Putih members. The community service activities at PKBM Karang Putih will be carried out by training related to assembly, software installation and computer troubleshoot. In addition,

modules and guidance for assembly, software installation and computer troubleshooting are also made so that they can assist in training.

PARTNER'S DESCRIPTION

At the beginning of its establishment, PKBM Karang Putih was built by the Learning Center (SKB) of Lubuk Begalung, Padang. PKBM Karang Putih is currently located at Batu Gadang Village, Lubuk Kilangan, Padang, which is about 14 km to the south from the center of Padang City [1]. The establishment of PKBM Karang Putih for the first time was pioneered by a woman leader of Batu Gadang Village, Mrs. Zerni L. Kondang (late). He passed away in July 2006 at the age of 68. Currently, the manager of PKBM Karang Putih is continued by her daughter, Mrs. Asri Astianingsih (43 years old). At that time around June 2005, together with members of the Taklim Council and supported by the Batu Gadang Village government they agreed to unite all the educational activities they carried out in a forum which they named PKBM Karang Putih [2]. The giving of this name was inspired by the existence of a limestone hill, where PT Semen Padang is mining the raw material for cement. The limestone hill is white and hard like a coral, the local community calls it the White Hill. Because this PKBM is located not far from the hill, based on the agreement they gave the name Karang Putih to the learning center.

PKBM Karang Putih is located at the house of Mrs. Zerni Kondang. Her house with a large yard has long been used by women, especially to gather and carry out activities such as morning exercise, learning about religion, learning to embroider, learning about costumes, making cakes and various activities according to their needs. Two months after the establishment of PKBM Karang Putih and based on the results of nature identification and types of community learning needs, PKBM Karang Putih was asked to be fostered. Then, SKB Lubuk Begalung since August 2006, has started to provide guidance to PKBM Karang Putih [3].

Activity programs that have been implemented by the Karang Putih Community Learning Activity Center (PKBM). As has been done, this includes studying costumes, cutting and sewing clothes, studying religion, embroidering gold threads, making various kinds of pastries. While the current activities that currently running are:

- 1) Community Reading Gardens (TBM) with 260 titles of reading materials, 50 of which consist of 4 copies.
- 2) Early childhood education with 68 learning citizens, they are grouped into 3 groups with learning schedules for:
 - a. Group I Monday, Wednesday, Friday at 08.30 - 10.30 am
 - b. Group II Tuesday, Thursday, Saturday at 08.30 - 10.00 am
 - c. Group III Tuesday, Thursday, Saturday at 10.00 - 12.00 am
- 3) Functional literacy with 30 learning citizens in 3 groups.
- 4) Package A is equivalent to Elementary School (SD) with 13 learning citizens of learning age
- 5) Package B is equivalent to Junior High School (SLTP) with 25 learning citizens of learning age
- 6) Package C is equivalent to Senior High School (SMA) with 41 learning citizens (17 learning ages, 24 productive ages). Besides that, other activities that are still being carried out are heart healthy exercise, religious groups, health education for toddlers, health education for the elderly, and life skills.
- 7) Educational and skills training for school dropouts and unemployed people.

Education, training and skills Programs that have been implemented at PKBM Karang Putih are:

- Carpentry Training
- Costume Training
- Wedding Cake Decorating Training
- Freshwater Fish Cultivation Training
- Bed Cover Training
- Ribbon Embroidery Training
- Comb Embroidery Training



Figure 1. Location of PKBM Karang Putih

COMMUNITY SERVICE ACTIVITY

In order to achieve the desired targets, the steps or methodologies offered are:

- a) Conducted a field survey at PKBM Karang Putih. In this survey, data was collected from PKBM Karang Putih regarding the background of the formation of the Community Learning Activity Center (PKBM), the activities and programs undertaken and the problems faced by PKBM Karang Putih. Also formulated what problems are very important and get priority to be raised in this service activity.
- b) Literature study where material is directly related to the proposed activities of the Community Service program. It aims to find possible alternative solutions to solve the problems faced by partners, PKBM Karang Putih.
- c) Discussions with teammates to find more efficient and practical solutions. From several alternative solutions that have been explored in step b, then in this step which solutions will be taken is taken. For the proposed community service that will be carried out is training related to assembly, software installation and computer troubleshooting at PKBM Karang Putih.
- d) The approach method between theory and practice, by conducting experiments in the laboratory to design a training model that suits the needs of partners. This training is expected to help in finding a job because the participants already have a plus in assembling software installations and troubleshooting computers.

This activity begins with a presentation and assembly practice, software installation and computer troubleshooting [4], [5]. At the practical stage, participants were divided into 3 groups consisting of 5 learning citizens. Each group is provided with 1 computer unit. The implementation of this training was held on Tuesday, November 22, 2011 at PKBM Karang Putih, Batu Gadang Village, Lubuk Kilangan.

RESULTS AND OUTCOME

In accordance with the planned methodology, this community service activity is carried out in the form of lectures / presentations on theory and practice. This activity begins with a presentation then continues with practice. It is planned that this activity will be attended by 20 participants who were planned for this training, only 15 people attended. The attention of the participants in this activity was quite large, almost all of them were active in the discussions and practices that were carried out. From this discussion and training it was revealed that about 75% of the participants had understood the material as a whole.

Indicators of the level of success that are expected to be achieved are:

- Training on Assembly, Software Installation and Troubleshooting This computer is used by partners, by seeing that this training is in accordance with the needs of the community in the partner environment.
- This training can help the educational process and skills in practice quickly.
- This training can be carried out by other Community Learning Activity Centers or PKBM.

The outcome of this training activity is that with this training it is hoped that students at PKBM Karang Putih can assemble, install software and troubleshoot computers. In addition, after this training, it is hoped that students at PKBM Karang Putih will understand more about everything related to computers.

Documentation of training activities as follows:





Figure 2. Training Activities at PKBM Karang Putih

CONCLUSIONS

Through these community service activities, residents studying at PKBM Karang Putih has understood how to do assembly, software installation and computer troubleshooting. There is an increase in the knowledge of the learning community in the community learning package at PKBM Karang Putih in the field of computers. Efforts to transfer knowledge to the community have been successfully carried out through these community service activities.

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