The Urgency of ICT in Elementary Education

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Keywords :	ABSTRACT
Urgency, ICT, Elementary Education	*This activity was a socialization and training to citizen in order to apply computer into learning process in the elementary schools. This activity aims to provide knowledge and skills for the use of ICT especially computer and internet and foster interest and motivation of students to learn. The target in this task were all of students of SDN 62 in East Singkawang Sub-District. The methods used in PPM activities are briefing and simulation. The advantage of this activity could be obtained by participation of students in this social activities was provided the knowledge and skills on implementation of ICT as a tool of learning so that elementary school students more skilled in their class. These training activities can also contribute to the advancement and development of technology.*

INTRODUCTION

The Information and Communication Technology (ICT) evolves and affects all sectors of life, with the exception of the education sector. All levels of education implement technological developments by making them in curricular or extracurricular. As in curricular or extracurricular given in schools, students are expected to know, recognizes, and at least, they are being able to use the computer.

Learning of ICT in schools cannot be separated from the using of computers as a tool among learning process. Although, there are some obstacles that make ICT not run well, such as lack of human resources, technology change process and telecommunication infrastructure (Normawati, 2016: 2). These constraints make ICT learning more hampered, especially in Elementary School (SD) Bagak Sahwa.

Based on preliminary study results and interviews with local officials, it was found that facilities for ICT learning have been met but not yet optimal to integrated ICT learning (into classroom) due to lack of human resources. This became the basis of the implementation of computer use training as tools of learning in Bagak Sahwa.

In general terms, training on formal education provides the potential for better education which ideally begins early (Pujiriyanto, 2009: 111). This implies that the importance of ICT education since the children as a provision of basic capabilities and potentials that have been able to be used in the community in solving problems related to ICT.

With the ICT training for students, students are expected to operating computers and accesses the internet so that facilitate the acceptance of information and development of knowledge owned by students. In addition, this training is expected to contribute to the advancement and development of technology.

METHOD

This program was implemented by using the method of debriefing and simulation. Hence, the aim of this activities was to make students become more skill in using ICT, need to do some actions step by step to realized it. Those steps as the following:

1. Making coordination with stakeholders and school
2. Making observation to the school
3. Introduction system and how the computer works for students
4. Simulation of the use of computers and devices

Community service has done on September 23th until November 14th in 2017. The form of activities carried out in the form of computer skills training and internet access for elementary school students. Some skills taught are typing in Microsoft Word, make slide by Microsoft Power Point and calculate by Microsoft Excel. In addition, students are also taught how to access the internet and look find information related to learning activities in order to support learning activities in schools

RESULTS AND DISCUSSIONS

These activity is one of duty of Indonesia's lectures which has listed in Tri Dharma Perguruan Tinggi (parts of Ministry of Higher Education Regulations). This activity was carried out by involving several lecturers, students, and local community, especially stake holders, residents, and especially students of SD 62 in East Singkawang Sub-district. The activities carried out in the form of socialization about the use of ICT in order to attract and to motivate elementary school students in early time.

In general, the results of PPM activities include several components, namely as follows.
1. Achieving the objectives of socialization and mentoring;
   - Socialization of hardware and software in a computer / laptop.
   - Simulation of hardware and software in a computer / laptop.
2. Ability of participants of computer use.
   - Use of Ms. Word to create a short script about the student's personal data
   - Use of Ms. Power Point to make writing move in slide animation
   - Use of Ms. Excel to calculate simple math operations
   - How to find data on the internet on PC / Laptop using usb modem
   - How to find data on the internet on PC / Laptop computers using a smartphone with tethering features

The achievement of this socialization objective is generally good, all of participants in this activity are very interactive and follow the event to completion. The results of the socialization in the form of awareness of the education community will be the importance of the competence of the use of ICT as a medium of learning. Therefore, it can be concluded the purpose of this activity has achieved and success.

CONCLUSION AND SUGGESTION

A. Conclusion

Learning process can be successful with the support of the use of ICT as tools in the explanation process in the class. The implementation of ICT Learning in the school can not be separated from the use of computers as a tool of ICT earning process.

B. Suggestions

1. Students are expected to be able to utilize ICT so they can optimize their learning experiences in their school.
2. The schools were expected to be able to facilitate students with technology so that student achievement in learning will increase.

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