CHAPTER I
INTRODUCTION

1.1 Background of study

Technology has become a part of the human's lifestyle. In the industrial revolution 4.0 era. Technology has taken a big part in almost everything in human life. Thomas P. Hughes that quoted by Paulsen, M. (2004), states that technology is the humans' effort to organize the world to solve the problem, so humans can invent, develop, and use goods and services. In addition, W. Brian Arthur statement in W. Blackwell (2016) support that the first and the most basic purpose of technology is means to fulfill human purposes. It can be understand that technology really means a lot to human life. Technology able to use to help and support human work and it can make their life much easier and more advanced.

The computer is one of the technologies used widely by humans in the latest year. The advanced progression and the potential of computer hardware and the program is the main reason for it. Now, Computers founded in various places. Because of it many portions of the job requires skills to utilize computer. The portion of the job that requires computer skills greatly increases every year. Soon, every job requires computer skills. To overcome this, acquiring computer skills is very important.

However, most people cannot acquire skills without some guidance from someone or something. The babies need their parents to guide them to learn how to stand and walk. According to Jack P. Shonkoff, M.D (2018), from the moment of birth, the baby is taking and responding to the environment. Kids, teenagers, and adults also

need a person to guide them in learning and acquiring knowledge. In addition, the people that have the knowledge and are able to guide humans to learn called a teacher. This statement supported by Dewel, which quoted on Flanagan (1994) which is said that teacher has the function to guide the young learner through their life and give them the opportunity to learn about the way to solve problems that may occur in their life. The one place where learners can founded and meet teachers is in an educational institution. Because of that, educational institution is important.

Types of educational institutions divided into two different types, Formal Education and Informal Education. However, some skills cannot earned from only studying on formal education. Harris & Wihak (2018) stated that formal education has not been able to satisfy the potential development that students have. Students need to obtain skills and competencies through informal education support this statement. Because of that, Informal educations such as Training Centre are important.

Nowadays, many types of Training Centre that able to help to learn the skill that people wanted. Most Training Centre also provide teachers, equipment, and facilities that help students to learn the subject. According to Fisher (2004) Healthy, suitable, and well-established environment needed to promote students' capability to learn. Earthman (2002) added that facilities needed by skillful teachers to achieve the instructional objective effectively. Based on that statement concluded that the training center can be a suitable choice to someone who wanted to learn specific skills that they wanted.

Even though, there are teachers, equipment, and facilities. Still, many problems happened to the students. One of the problems is the

language barrier. Some Training Centre subjects must use foreign languages in their material. Especially in computer Training Centre, plenty of English words used in the setting, formula, and others. That made a problem for students' understanding because not all countries in the world are using English as their main language. Most of them are using English as their second language or third language or foreign language. Students that speak English learn differently than students that speak English, depending on the number and types of language they speak (Friedrich, 2006). That is the reason why English language is important in learning various skills.

However, this problem can also happen to students that already know English. Nevertheless, only in general. Because many words have different meanings based on the subject. The language barrier problem also happened at Adin Cahya Informatika Computer Training Institution. Most students have experienced the same problems; they do not know the terminology of the vocabulary used in the system that they learned. They need quite a lot of time trying to figure out the function of some of the tools in the system because they do not know the language that used on it. In other ways, students who understand English quite faster understand the material. They quite not experienced any problems in understanding the material. Because of that, the Training Centre needs a teaching media that provide at least the meaning of the word that used in the material. Because, Back to Friedrich's (2006) statement "Students which speak English learn differently than students which speak English, depending on the number and types of language they speak". So, based from those problem, researcher conduct the research and development to develop vocabulary module that support students' computer learning program.

1.2 Identification of the problem

Based on the background of the study, the problem of this research identified as:

1. English that used in a computer program is different from Basic English that students already acquired from school.

2. Most computer modules are not explained foreign words that are used on them.

Students usually get the problem understanding Training Centre material because it is using language that is unfamiliar to them

1.3 Formulation of the problem

Based on the identification of the problem above, the formulation of the problem of this study is:

1. How to develop English vocabulary learning or teaching material in the form of an E-Module that used in computer Training Centre study?

1.4 Objective of study

Based on the problem's formulation, the objective of this study are:

1. Seeking the way to develop English vocabulary learning or teaching material in the form of an E-Module that used in computer Training Centre study

1.5   Product Specifications

The specification of the E-module that developed are:

1. Cover E-module made by using Corel Draw 7X.
2. E-Module containing vocabulary that can be found in Microsoft Words, Microsoft Excel, and Microsoft PowerPoint
3. E-Module used in both Active Learning and Self Learning.
4. The Format of the E-module is PDF format.
5. The structure the of E-module are :
   a. Cover
   b. Preface
   c. Table of Content
   d. Guidelines
   e. Learning material
   f. Reference

1.6 The significance of the study

1.6.1 Theoretical

a. This study made to complete one of the requirements for passing study and earning a degree as Bachelor of Education (S.Pd.) in Science and Education Faculty.

b. The outcome of this study will give the contribute knowledge of developing computer Training Centre teaching material in form of an E-module for students and society, especially for English Department Students.

c. Developing the college student's interest in doing research in the informal study.

1.6.2 Practical

a. For Teacher

The existence of vocabulary module for computer learner will help teacher to develop learning program, which is more affective. Teacher also able to teach students easier if students already know the meaning of most of vocabulary that they able to found in the learning program.

b. For User

The existence of vocabulary module for computer learner will help user to learn Microsoft office much easier. User only need to understand and remember the meaning of vocabulary that on the module, and they are able to thinking what the tools are will do.

c. For Researcher

The existence of vocabulary module also give researcher an opportunity to giving knowledge that researcher has to the other people. It is also increase researcher's knowledge about the learning field and developing the learning material.

1.7 Limitations of the Development

Based on the identification of the problem, research limits the problem to develop vocabulary E-module based on basic office computer Training Centre (Microsoft word, Microsoft excel, and Microsoft PowerPoint) program. The material chosen to become supportive module to the material that used on Adin Cahya Informatika. The module contains an explanation of vocabulary that used in a computer program and the usage and application of vocabulary in the program.

1.8 Key of Term

- Electronic Vocabulary Module : a digital module, which distributed via online that contain the definition and descriptions about some list of word.
- Support : Helping or assisting
- Office Computer : Program that used in office worker such as word processing software, number processing software, and presentation processing software.
- Learning Program : An program that held by some institution or individual to teaching some subject.