### CHAPTER I

## INTRODUCTION

# A. Background of the Study

Educational system has been influenced by a rapid change in technology as it is increasingly used in teaching and learning. With the development of technologies, computer has evolved as a tool that can improve the accuracy and efficiency of tests. In that case, we cannot close the possibility that you ever unconsciously experienced it. Furthermore, the use of online Computer-based assessment is increasing in developed countries. As a consequence, the assessment that usually done conventionally using Paper-based assessment little by little began to be replaced with Computer-based assessment or commonly abbreviated into CBA.

"E-assessment, online assessment, computer assisted or aided assessment; computerized assessment or computer based assessment is any assessment activity which involves the use of computers."

In simply definition, CBA means the practice of giving quizzes and tests on the computer by online instead of using pencil and paper. Computer-based assessments and online assessments already used widely in many different environments and may be wave of the future. Since the past few years, developments in the use of CBA

<sup>&</sup>lt;sup>1</sup>Bull, J, Computer Assisted Assessment: Impact on Higher Education Institutions. (Educational Technology & Society, 2(3), 1999), 123.

were more advanced. During that period, the progressing of CBA is making interest to the people of educational world. Advances in computer technology continue to change the lives of educators and students. One of the exciting new ways to use computers in education is in testing. Computer-based assessment is a broad term that can cover some different types of testing tools and technologies. One of the most common is online assessment, in which the creator uses online assessment creation software to develop a test. Then, the creator provides a link to the students, who take the test online. Computer-based assessment software is a tool that helps teachers to create online tests for assessment purpose. Some Indonesian universities by any chance have adopted computer-based assessment (CBA) for their courses and examinations.

As a consequence, a few teachers of some universities have been using it. One of the online CBA software that can be use by teacher is *ProProfs*. It is have variation of application to make questions.

"ProProfs products, including Quiz, Survey, knowledge and training tools, are used by many Fortune 500 companies such as Sony and Dell, along with users from leading educational institute like Harvard and Yale."<sup>2</sup>

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<sup>&</sup>lt;sup>2</sup> "Online Computer Based Assessment Software Create tests with computer based assessment software.", (http://www.proprofs.com/quiz-school/computer-based-assessment-software/, accessed on 24th March, 2016)

In *ProProfs*' website more than one million pieces of content provided in about seventy languages; and it is online training and assessment or testing with the world's largest library of professional tests and quizzes. *ProProfs* was founded by Sammer Bhatia on the vision that knowledge should be freely available to people from all walks of life.

The software allows teachers to not only create online tests but also helps them in automatically grading test papers and managing the reports of students. Some over plus of this website are: the question shows randomly when it is open by each students so that they cannot cheating, the testing schedule decided by the creator (like how long the quiz test is activate and how long the time to answer the question), Each item will tell the students it is weight or point of each question display in the screen, the students directly know their score at the end of the test, the availability of a certificate of achievement, and the teacher directly know the score of their students by looked to their *ProProfs* website account without face to face with the students. Using the software, teachers could create and assign test to students who could access them on the go from several devices such as laptops, tablets and even Smartphone.

*ProProfs* has been used for the first time in Education Department Faculty and Teacher Training at the State Islamic University of Sunan Ampel Surabaya (UINSA) by one of lecturer there. Since the *ProProfs* online Computer-based Assessment is

novel for students at UIN Sunan Ampel Surabaya, pros and cons arose regarding this assessment model. The researcher conducted this research to know "students' perception and the result score towards the use of *ProProfs* online CBA Software as an assessment tool that provided in online website". The reasons to chose *ProProfs* for this research was because rather than others software, *ProProfs* gives more advantages. Like the availability of various template types to make questions for the exams or tests, the availability of a certificate of achievement, teachers can receive detailed reports and notifications, the tests can be accessed from a range of devices such as tablets, smartphones and laptops making anytime, anywhere learning possible, etcetera.

This research was based on the preliminary research on January, 2016. By interviewing the Students, it was reported that the use of online CBA as an assessment tool at English education department was extremely sparse. So they have many and varied opinion regarding the use of online CBA. In this case, this research was very important to know. Certainly, the finding of this research can give better way in assessing. In this case, this research was very important to know. Certainly, the finding of this research could give better way in assessing. Also, the conclusion of this study could give evaluation for the lecturer who uses *ProProfs*. In addition, the suggestion could give advice for better way in planning assessment.

Despitefully, *ProProfs* Software used by one of the lecturer to assess students regarding what students have learned in their educational environments. It was very important to do a research according this topic. The assessment conducted for their Mid-term exams, which often make up a large part of a student's grade in the course. The Mid-term exam is one of the Summative assessment types. It was used as a measure of how well students have achieved the desired learning objectives after the learning has occurred. Assessment model like this is one of interesting issues to examine as novel assessment model for the students. As a matter of fact, no others lecturer in The State Islamic University of Sunan Ampel Surabaya has been used this model until today, especially in English Education and Teacher Training Program. In some universities around the world, educators are getting understand that how the online CBA is better and efficient than offline or Paper-based assessment. Thus, if this kind of assessment or test can engage the student to the course, it could be benefits to the learning process. In addition this kind of assessment would use continually.

Besides, the use of online CBA is the one development created by the lecturer of English Education and Teacher Training at UINSA. It was also the proven that UINSA is one of the developed universities in Indonesia. It was also supported by the accreditation of English education department that got "A" marked. The English language education program began unveiled for the first time through "A" mark of accreditation. Starting the academic year in 2005/2006 the Faculty of English

Education and Teacher Training give an effort to improve the quality, accreditation was done through the National Accreditation Board (BAN - Badan Akreditasi Nasional).

By examine the issue of "ProProfs online CBA Software as an assessment tool" it would however be beneficial for all people splash around the educational world especially in UINSA. Until this research carried out, we do not know yet about students' perception and the result score towards *ProProfs* online Computer-based Assessment Software. Unfortunately not much research about ProProfs has been published. Although there was no research that take up *ProProfs* as the main topic at research but there are some international journal and thesis which mentioned *ProProfs* in their research. For instance, a research with the title "Information" Technology of Easy English for Children (Blog Education)" by Pandu Seto Dewo Prabowo and Arido Laksono, S.S, M.Hum. The writer creates interactive materials to learn English by using blog as a medium that can be accessed through the internet. The writer provides this blog with some interesting features like Figures and videos so students will not get bored to learn English through blog. Then, the writer also provides online exercise to help students see their understanding about the material preserved. In this research, *ProProfs* used to provide the online exercise.

In summary, the writer believes that this research would give new contribution in education world it is also beneficial for E-learning (In essence, e-learning is a

computer based educational tool or system that enables you to learn anywhere and anytime) and preferences for the next research because this moment was the first time to have *ProProfs* testing or assessment model as the main topic in the research context. In other side, this online Computer-based Assessment could be a solution to optimize the test activities that were still done conventionally. Based on the explanation above, the researcher interested to analyze the following title "Students' *Perception on Proprofs Online Computer-based Assessment Software as an Assessment Tool at English Education Departement, Uin Sunan Ampel Surabaya.*"

## **B.** Research Question

Concerning on the background of this study, the researcher determined the problem of the study that becomes the concern of the discussion. The problem statements which are separated by some questions below:

- 1. How is the students' perception on *ProProfs* online Computer-based assessment Software as an Assessment Tool at English Education Departement, Uin Sunan Ampel Surabaya?
- 2. What is the result of student score regarding the use of *ProProfs* online Computer-based assessment Software as an Assessment Tool at English Education Departement, Uin Sunan Ampel Surabaya?

# C. Objective of the Study

This study was aimed at the students' perception and their result score on *ProProfs* online Computer-based assessment Software as an Assessment Tool in UINSA, which is reflected from background and statement of the studies. The results of this study would identify areas for online CBA, as well as establish a baseline for creating future Computer-based Assessment. This major's goal was elaborated into the following minor aims:

- To describe the students' perception on *ProProfs* online Computer-Based Assessment software.
- 2. To find out the result on the students' score regarding the use of *ProProfs* online Computer-based Assessment software as an assessment tool.

# D. Significances of the Study

As this study was about analysis towards students' perception and students' result score on *ProProfs* Online Computer-based assessment software as an assessment tool, the results of this study were expected to serve theoretical and practical purposes. To make this significance easy to be understood, these followings are the details:

#### a. Theoretical Benefits

Theoretical contribution was presented into the theories of Computerbased Assessment software that specifically into the assessment theory. However, there were many things to be uncovered in the using of CBA and assessment in language learning. Hence the researcher focuses on analysis of CBA software as an assessment tool as the development of the study. Related to this analysis, it helps to uncover the use of that assessment model. Besides, this research can be useful for the development of testing or assessment model in each level of education in this world especially for the university that would print-out the candidate of teachers.

#### b. Practical Benefits

Appropriate assessment tool and model was expected to build a certain studies as practical significance. The result of this research was expected to help the readers get the information about the useful information, advantages, and disadvantages of using *ProProfs* online CBA software. This result was also useful for the student teachers as reference to construct the assessment and testing ways when they became a teacher later. Moreover, this study could inspire the future researcher to find the topic similar with this study or any further research.

#### E. Scope and Limitation

As it was impossible to study all areas related to the topic of the research, it was important to have scope and limitation of the study. The problems deal only with in this study was limited as follow:

### a. Scope

This study was done by using any technological tools and resources that connect the researcher on the research. The earlier of this research states that this study was done through the theory of assessment. The reason was because this study mainly tries to find the explanation and description of the online Computer-based Assessment Software used in assessing language learning in Mid-term exams.

#### b. Limitation

The researcher was going to do the research as mentioned in the objective of the study. The class that researcher take was Classroom Management Course that consists of 73 (seventy three) students.

## F. Definition of Key Terms:

In order to avoid the misunderstanding and misinterpretation about the basic concepts in the study or in this research field only, the definition and key terms were stated below:

# 1. Students' perception

perception of the students as the process of interpretation, organization of students' stimulation are influenced by a variety of knowledge, desire, and experience, which are relevant to stimulation effected by human behavior in determining the purpose of his life.

In this research, Students' perception means students' interpretation were influenced by a variety of knowledge, desire, and experience towards *ProProfs* online Computer-based Assessment software as an assessment tool at English Education Departement, UIN Sunan Ampel Surabaya.

#### 2. Computer-based assessment:

E-assessment, online assessment, computer assisted or aided assessment; computerized assessment or computer based assessment is any assessment activity which involves the use of computers.<sup>3</sup>

In this research, Computer-based assessment is in essence, the practice of giving quizzes and tests on the computer instead of using pencil and paper.

# 3. *ProProfs* Online Computer-based assessment software:

Computer based assessment software is a tool that helps corporate instructors and teachers to create online tests for online teaching.<sup>4</sup>

In this research, *ProProfs* is the software or a tool used by the lecture to create online test and assessment for the students.

<sup>3</sup> Bull, J, Computer Assisted Assessment: Impact on Higher Education Institutions. (Educational Technology & Society, 2(3), 1999), 123.

<sup>&</sup>lt;sup>4</sup> "Online Computer Based Assessment Software Create tests with computer based assessment software.", (http://www.proprofs.com/quiz-school/computer-based-assessment-software/, accessed on 24<sup>th</sup> March, 2016).

# 4. Classroom Management Course:

In this research, Classroom Management Course is one of Personality Development Course in English teacher Education Department Faculty of Tarbiyah and Teacher Training at the State Islamic University of Sunan Ampel Surabaya.

## 5. Assessment tool:

In this research, Assessment tool is an instrument or simple piece of equipment that lecturer hold and used for assessment purpose.

#### 6. Mid-term test:

In this research, Mid-term test is an examination administered in the middle of an academic term.