

# CHAPTER I

## INTRODUCTION

### A. Background of the Study

It is widely recognized that media plays an important role to support the process and the result of the learning process in order to improve the quality of education. According to Sharon and James, media is a means of communication and source of information.<sup>1</sup> Generally, it is a channel or a tool of communication that conveys a message from the sender to the receiver. In the field of education, media deals with a learning tool to help students understand a lesson taught by teachers. In sum, media is a channel of communication to help students in the learning activities.

In English language teaching, media serves as a significant tool that used in the learning and teaching activities. Generally, media assist as students to learn language skills. By using media, students can understand a material easily and they can involve in the lesson actively. For example, to help them easier to understand the text of narrative, i.e., the Legend of Toba Lake, teachers may play a video related to this story. By watching this video, they can observe the whole story, find out information about the characters and the setting, and analyze the complication or problem and as well as understand the resolution more easily and effectively.

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<sup>1</sup> Sharon E. Smaldino and James D. Russel, *Instructional Technology and Media for Learning* (New Jersey: Merrill Prentice Hall, 2009), 9.

Moreover, media can motivate students to learn a lesson in the learning process. It can motivate students because it enhances a multisensory interest and thereby learning becomes more immediate and productive.<sup>2</sup> By using it, they can feel interested and enthusiasms in learning, focus on the lesson, and improve achievement in learning.

On the other hand, media help teachers to teach in the classroom. It helps them to explain a material, clarify the concepts of the learning, make teaching more creatively, and save time and their energy in teaching process. In English lesson particularly reading class, teachers may use various media such as novel, newspaper, picture, diagram and so on. The media can improve students thinking and increase motivation to learn a reading lesson. Students can observe a material and present their result of the learning.

In line with the development of technology, there has been a shift of using media in the classroom. Teachers use technology to support the teaching by using multimedia such as LCD, Projector, Computer, and Laptop. Moreover, the rapid development of technology has encouraged them to integrate the teaching skills through computer based language learning and it is known as computer assisted language learning (CALL). CALL is a progress of technology to learn language

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<sup>2</sup>Ahsan Akhtar Naz and Rifaqat Ali Akbar, "Use of Media for Effective Instruction its Importance: Some Consideration", Journal of Elementary Education A Publication Of Deptt. of Elementary Education IER, University of the Punjab, Lahore-Pakistan, Vol. 18(1-2) 35-40.

based on the computer. According to David and Shane, it refers to any process in which the learner uses a computer to improve foreign language competence.<sup>3</sup>

In the recent years, the new media emerges like as mobile learning (M-Learning) and teachers are encouraged to innovate the process of learning. In general the M-Learning or learning through mobile devices refers to the aspect of mobility of the learner and the mobile nature of the devices.<sup>4</sup> In addition, mobile device can facilitate human interaction and access to information resources anytime and anywhere.<sup>5</sup>

Additionally, mobile device in operating system uses multi-platform to support this component. One of the multi-platforms in mobile device is android-based. One major reason for the pervasive adoption of android in the mobile market is that mobile applications developed through android development technology is more efficient and effective compared to the other technologies, such as mobile Window or Symbian operating systems, producing fast, user friendly and appealing

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<sup>3</sup>David Scott and Shane Beadle, *Improving the effectiveness of language learning: CLIL and Computer Assisted Language Learning* (London: ICF GHK, 2014), 19.

<sup>4</sup>Shanmugapriya M. and Tamilarasi A, "Design and Development of Mobile Assisted Language Learning (MALL) Application for English Language using Android Push Notification Services, *International Journal of Research in Computer and Communication Technology*, Vol 2 (June, 2013), 330.

<sup>5</sup>Jan Nealbert et.al, *Ubiquitous Learning Environment Using Android Mobile Application*, *International Journal of Research in Engineering & Technology* Vol.2 Issue 2, Feb 2014

applications.<sup>6</sup> In short, the platform of mobile device by android-based is important aspect to support in technology system.

However, not many teachers are aware and know how to use and to develop android-based learning application, it is likely true that android-based learning application has many challenges to apply in the classroom. On the other hand, the need of information and the acquisition of technology skills are increasing. Students should have adequate knowledge and skill related to information and technology.

In fact, by using the mobile android-based in learning and teaching, students may get benefits to engage in the process of reading and it assists them to improve their comprehension. The mobile technology provides various resources and tools for language learning that encourage learners to be more motivated, autonomous, situated (site-specific), and socially interactive.<sup>7</sup> Using mobile devices in learning English as a foreign language gained positive feedback from both teachers and learners provide more interesting learning environments, allow collaborative activities, immediate feedback to students, close interaction for students, and increase learning performance.<sup>8</sup> In short, it is a great tendency among teachers to use smart phone in language teaching classrooms, particularly in reading class.

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<sup>6</sup>HafizulFahriHanafi and KhairulanuarSamsudin, "Mobile Learning Environment System (MLES): The Case of Android-based Learning Application on Undergraduates' Learning", (IJACSA) International Journal of Advanced Computer Science and Applications, Vol.3, No.3, (2012), 1.

<sup>7</sup>Heyoung Kim and Yeonhee Kwon, Exploring Smartphones Applications For Affective Mobile-Assisted Language Learning, *Multimediti a-Assisted Language Learning* 15(1), 37-57

<sup>8</sup>NadireCavus, "Development of an Intelligent Mobile Application for Teaching English Pronunciation, Propedia Computer Science 12<sup>th</sup> INTERNATIONAL Conference on Application of Fuzzy Systems and Soft Computing, 102 (29-30 August, 2016), 366.

To develop android-based learning application, teachers can create application by adobe flash professional CS 6. Adobe flash professional CS6 is an authoring tool that can be used to create games, applications, and other content that responds to user interaction.<sup>9</sup> It seems that adobe flash professional CS6 can help teachers to create application as a media in the learning and teaching process such as application android-based in learning reading.

Mobile application android-based cannot be directly used in teaching and learning activities, whereas teachers must create the application, that suits with the need of students in learning reading process. However, to create reading application android-based, teachers must have skill of information and technology. Therefore, it is essential to conduct a research to develop of android-based learning application to use in the teaching and learning in the school. The title of the study is “Developing an android-based reading application as an English instructional media at tenth grade of SMAN 1 Jiwan-Madiun in academic year 2016/2017.”

## **B. Identification of the problem**

Most students of SMAN 1 Jiwan-Madiun still have lack of awareness to study independently in English learning, particularly reading class. The students’ attention in reading class is low. Besides that, the teacher is still lacks of innovation in teaching activities and he/she still uses conventional technique such as the teacher by

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<sup>9</sup>Adobe. (<http://www.adobe.com/devnet/flash/articles/create-first-flash-document.html>, accessed on 12 March 2017)

explaining the material. The teacher is still lack of using learning media based technology such as M-Learning android-based especially refers to reading skills.

### **C. Limitation of the problem**

The research is intended to develop an android-based reading application as an instructional media in teaching English. The android-based reading application is a media to support students to learn English lesson using their smartphone android-based easily and effectively and students can access the reading application wherever and whenever. The particular skill of this reading application is an announcement and advertisement text. In this study, to develop the media is used research and development especially ADDIE (analysis, design, develop, implementation, evaluation) model. Researcher uses this model to know the quality of the reading application.

### **D. Statement of the problems**

Based on the background of study the above, the statements of the problem are formulated as follow:

1. How to develop an android-based reading application as an English instructional media at tenth grade of SMAN 1 Jiwan Madiun in academic year 2016/2017?
2. How is feasibility of an android-based reading application as an English instructional media at tenth grade of SMAN 1 Jiwan Madiun in academic year 2016/2017?

3. How is students' perception about using an android-based reading application as an English instructional media at tenth grade of SMAN 1 Jiwan Madiun in academic year 2016/2017?

#### **E. Objectives of the study**

The objectives of the study are:

1. To develop of an android-based reading application as an English instructional media.
2. To know the feasibility of an android-based reading application as an English instructional media.
3. To know how is students' perceptions about using an android-based reading application as an English instructional media.

#### **F. Significance of the study**

The results of this study provide benefits both theoretically and particularly as follows:

1. Theoretically

After research, it is expected to give contribution of knowledge to develop application android-based in the teaching and learning process especially English lesson.

## 2. Practically

### a. Students

The expected result of this research is reading application based on android can be a good media for the student understanding about the material. The students can access the application is simple and the student can learn material wherever and whenever independently.

### b. Teachers

It can improve the teacher quality as a facilitator for students and teacher can use the technology in learning activities as an instructional media delivering the material in the classroom learning.

### c. Future researcher

This study is expected will be useful for the future as a reference and can develop the application better to support students in learning.

## **G. Specification of the product**

1. The English instructional media an Android-based is one of supporting media learning based on material English in KTSP curriculum.
2. The English instructional media will be created unique and easy to understand for students. It makes students more interested in English learning activity.



3. The Instructional media an Android-based can use the students wherever and whenever to study their material independently.

#### **H. Developing Assumption**

1. The instructional media is an alternative for students to learn English and it can use independently by students whenever and wherever.
2. Most of students have smart phone using operating system android, so it can use as a media in the learning process.
3. The experts have the same valuation about the criteria quality and feasibility of the good instructional media. The experts of this research are material expert, media expert, and English teacher.