

## CHAPTER I

### INTRODUCTION

#### A. Background of Study

Language is important matter for human being to survive. Through language human can show existence as perfect creature. Language also used as form of communication between one to other human to express or convey the will of his heart, meaning and purpose. Allah The Almighty says in surah Ar-Rahman verse 3 and 4

خَلَقَ الْإِنْسَانَ - عَلَّمَهُ الْبَيَانَ

Those verses mention that Allah SWT when creating human, he also taught them to speak by mention name of things to the first human being, Prophet Adam AS. Speech used as form of communication between one to other human to express or convey the will of his heart, meaning and purpose. This is what makes us different from other creatures. Speech also indicated that humans are intellect and capable of thinking or reasoning. Through language as tool of communication we can understand each other.

As an international language and most used language in this era English has become important language to learn. And by that many people desire to learn English not only for communication, but also for searching a job, get better education or get latest information around the world. There are four skills that learner needs to mastery, there are speaking, listening,

writing and reading. Vocabulary also have important matter in any language to mastery, vocabulary is knowledge about words and word meanings. (Carter & Mccarthy, 2014). Without enough vocabulary, student will be difficult to understand the language.

As time goes by, technology has become one of important aspect in our life. Technology has applied in any elements of our life such in military, economic, industry, media information, entertainment, and education. Technology has force human to adapt with all sophistication and easiness. Additionally with that advance technology we as human being have responsibility to improve quality of our education system and used all resources to make it happen.

One of the factors that influence changes in the world is communication device. Communication device like telephone have significant improvement through decade before modern mobile cellular or what it called Smartphone these days. The first telephone was patented in 1876 by Alexander Graham Bell. Alexander Graham Bell was born in Edinburg, Scotland, on March 3, 1847. When he invented and patented the telephone, he was 29 years old. Alexander started his research in 1874, and he had financial backers who gave him the best business plan for making it available to the public.

The term "Smartphone" did not actually exist then. Frank James Canova created the "Angler" smartphone prototype, which was displayed at the COMDE computer industry trade show on November 23, 1992, in Las

Vegas, Nevada, United States. The final version, codenamed "Simon Personal Communicator," was developed by IBM and officially launched in 1994 by BellSouth. Simon Personal Communicator became the first smartphone in the world, Simon had a lot more applications and services than just a phone. It had a calendar, notepad, email, calculator, world time clock, on-screen keyboards, an address book, and even the ability to send and receive faxes. In fact, the term "smartphone" was first used in 1995, one year after the Simon was released. The Simon can be considered the world's first smartphone because it has characteristics and features that no one had ever heard of before. It also represents the development of communication technology.

Smartphones gained widespread acceptance over time. The first touchscreen device on the market was the LG Prada. However, the first iPhone with a touch screen truly set the way for the smartphone trend. Smartphones have changed a lot from 2007 to 2022. Not only do smartphones connect people through communication, but they also changed the world economically, culturally, and socially. As smartphones became part of everyday life, people started adding a lot more features. These days, smartphone actually remain revolution and turns out to be more crucial for individuals as need might arise.

In current times, because of pandemic disease we have to change our way of life, including teaching and learning activity. Teaching and learning activity have change from face-to-face to distance learning or online class

to minimize contact to other people and to avoid virus spread. Teacher needs to change the way how they deliver material in online classes. Teacher also need to be creative to deliver material in online teaching process. Not only using books, teacher needs to applied technology in the class by using laptop, smartphone or netbook that connected to internet. Teacher unlocks the new environment in teaching process that make students not bored when they in online class. Teachers also need to learn more about the technology that can be used in the classroom to make online learning more fun and interactive. There are several teaching media that emerged with educational technology such as Google Classroom, Kahoot, Schoology, Memrise, Babbel and Duolingo.

Duolingo is a language-learning application developed by Duolingo, Inc., an American educational technology company founded by Luis von Ahn and Severin Hacker that also offers language certification. Luis von Ahn and Severin Hacker started Duolingo at the end of 2009 in Pittsburg. Luis had sold his second organization and with Severin, needed to chip away at something connected with training. Luis's upbringing in Guatemala, where he witnessed how expensive it was for members of his community to learn English, was a major source of inspiration. Severin wanted to give people a way to express their belief that free education will truly transform the world. The MacArthur Fellow Program and the National Science Foundation were the initial sponsors of the project. Luis considered the founders' plan to establish Duolingo as a charitable organization to be

unsustainable. Duolingo made the announcement in October 2011 that it had received funding totaling \$3.3 million, led by Union Square Ventures. Duolingo sent off a confidential beta on 27 November 2011 and gathered holding up rundown of in excess of 300,000 individuals. The platform went live on June 19, 2012.

Duolingo is a mobile based application that helps user to learn target language with fun, entertaining and efficient. Duolingo combines speaking, listening, and writing skills in their app. There are many benefits to using Duolingo for teacher and student itself. For teacher using Duolingo in classroom could help bring a new way to deliver material with fun and entertaining. And for the students Duolingo is very useful because students feel that they are playing games and learning in the same time. Duolingo has several features reported by the official page of Duolingo on play store as follow:

1. Duolingo are fun and effective. Duolingo has Game-like lessons and fun characters help you build solid speaking, reading, listening, and writing skills.
2. Duolingo designed by language experts and used science-based teaching methodology proven to foster long-term language retention.
3. Monitor your progress when you make practicing a language a daily habit, you can work toward your goals of learning the language with fun rewards and accomplishments.

4. Join language community on Duolingo with more than 300 million learners worldwide.

5. All language classes are free. Spanish, French, German, Italian, Russian, Portuguese, Turkish, Dutch, Irish, Danish, Swedish, Ukrainian, Esperanto, Polish, Greek, Hungarian, Norwegian, Hebrew, Welsh, Arabic, Latin, Hawaiian, Scottish Gaelic, Vietnamese, Korean, Japanese, English, and even High Valyrian are just a few of the languages you can learn.

Writer interested to conduct a research to know teacher' perspective of Duolingo in online class and students' perspective toward the use of Duolingo in online class. From explanation above the writer will conduct a research with the title **THE USE OF DUOLINGO IN ONLINE CLASS DURING PANDEMIC AT SIX GRADE OF MI BABUSSALAM BASED ON TEACHER' AND STUDENTS' PERSPECTIVES**

## **B. Research Questions**

Based on explanation above, research questions are:

1. What is teacher perceive of the use of Duolingo in online class?
2. What are students perceive of the use of Duolingo in learning process in online class?

## **C. Objectives of Study**

Relates from problems above, writer formulates major objectives of this research as following:

1. To know what is teacher perceive of the use of Duolingo in online class
2. To know what are students perceive of the use of Duolingo in learning process in online class

#### **D. Significance of Study**

The significant of this research is expected to giving information to other educational institute that support teaching process by using application based on technology to help the students learn with fun during online class

The writer also hopes this research will give good impact to English Education Department because from knowing the using and perception of mobile application in teaching process, the department has reference for they students to applying technology in teaching and learning process.

Furthermore, the writer hopes this research will be useful as literature review or reference for any further research which has similar topic.

#### **E. Definition of Key Terms**

1. Duolingo

Duolingo is one of the most popular language-learning platforms for user who wants to learn languages. Duolingo combines speaking, writing and listening skills in their material and designed to feel like playing a game

## 2. Educational Technology

Any device that can help to maximizing or improve students' understanding toward material can be called as educational technology. Computers and other new electronic innovations that, when applied to educational settings, can be utilized to change education altogether. (a) Tools for creating course materials, (b) organizing and planning for lesson planning and concept mapping, (c) reference tools and electronic research, (d) tools to support particular content areas, (e) and tools to record class lectures and notes are examples of emerging educational technology. (Ball & Levy, 2008)

## 3. Distance Learning

Distance Learning is when the teacher and the students physically not in the same place when teaching and learning process occur. An interactive telecommunications system is required to connect students and instructors, as well as the various resources required for it, in institution-based formal education where students and instructors are in different locations known as distance learning. (Clay, 1999). Virtual schools are schools that teach all or most of their classes online. These schools fall into this category. (Watson, Murin, Vashaw, Gemin, & Rapp, 2011). Since the first online class was offered in 1994, rapid progress has been made toward the implementation of distance learning,



which is now a rapidly expanding field of research and practice. (Levy, 2003)