

CHAPTER II

REVIEW RELATED

A. Smartphone

1. Definition of Smartphone

Smartphones use has had a significant impact on people's daily lives. Smartphones are used by Indonesians, including children, adolescents, adults, etc. According to Statista Portal data, the number of Indonesian smartphone users has increased from 11.7 million in 2011 to 62.69 million in 2017. This data demonstrates that smartphone usage is continuing to grow, primarily in Indonesia (statista.com, 2017).

According to Liao (2010), a smartphone is an efficient communication device and has a function by developments in communication and has a minimalist shape so that it is easy to carry everywhere. Liao defines the use of smartphones based on three functions, namely:

- a. Versatility** or intelligence function, namely several applications that can be used as several applications to find information usually accessed through Internet applications, google or opera mini, built-in applications (such as calculator), and downloadable applications (such as Indonesian and English dictionaries).

- b. Essentiality** is the function of communication via telephone, short message, and social networks and the function of storing data both in internal and external memory.
- c. Entertainment** has a function as entertainment media that is commonly accessed through game applications, music players, video players, and cameras.

The existence of this smartphone is indeed able to provide various benefits and conveniences for its users, especially for students, where the smartphone's capabilities are not limited to phone and SMS functions but can also be used as a learning tool (Daeng, Mewengkang & Kalesaran, 2017). The use of smartphones to search for learning information can help students and motivate them to learn English. Supported by previous research, Augusta (2018) obtained research results that the use of smartphones in students influences their learning motivation. In addition to accessing new knowledge more quickly, the use of smartphones by students is mostly used for communication via social media, playing games, this will affect student learning motivation which has an impact on decreasing learning achievement. According to Barker et al (2005) stated the impact of smartphone technology for learning is portability, collaboration and motivation.

a. Portability

Mobile phone portability allows students to learn practically anytime and anywhere in obtaining or taking course information through their mobile phones as they are carried from class to class or anywhere.

b. Collaboration

Social networks such as Facebook and Twitter that are accessed on student smartphones allow students to form groups to distribute and add to their knowledge together, and share information easily, and this can lead to more successful collaborative learning.

c. Motivation

When mobile phones are used, they are included in large classes, it seems that students are more involved in the learning process. The use of smartphones in learning increases students' willingness to learn. They take the initiative in using the device as a learning tool.

The use of a smartphone is very dependent on the user if it is used for positive things it will have a good impact, on the contrary, if it is used for negative things it will have a bad impact on the user. Application on smartphone that is generally used by students as a communication.

2. The role of smartphone in education

Along with the development of increasingly advanced technology, there are many alternative media that students can use in learning. The technology that is currently in great demand by the public is mobile learning using smartphones. Learning media can be created on mobile devices that are portable, such as smartphones and tablets (Squire, 2009).

In addition, M-Learning is learning where students can access materials and applications related to learning. This will increase students' access to learning materials, make learning pervasive, and can encourage students' motivation. The characteristics of using smartphones as learning media or called mobile learning are that they have a high level of flexibility (Wirawan & Ratyana, 2011). As a complement to existing learning, mobile learning allows users to access materials, directions, and information related to learning anytime and anywhere. Mobile learning is an alternative for developing learning media that can be used as a learning supplement so as to train students to learn independently (Arief, 2014).

M-Learning can also be accessed with a smartphone. With the smartphone, students can also easily find to information they need quickly. The following is the use of smartphones as learning media such as:

1) E-Learning

E-Learning is fun learning, and students can learn even outside the classroom. By exploring websites or application, learning will be more fun because videos about the subjects matter accompany it.

2) E-Book

Students can read book using smartphones easily without having to bring book. Reading book will be more fun because they can study anywhere and anytime.

3) Social media for learning

Students use many social media. For example Youtube, Google, Quizizz, Tiktok, Duo lingo, etc. social media is helpful for students.

3. The Advantages and Disadvantages of Smartphone

Smartphone use has both positive and negative consequences. One of the positive effects is easy to find information needed to trigger students to use it. According to Barakati (2013), using smartphones in students is easier to study anywhere, easier to find, and add information. The convenience obtained through the use of smartphones in finding this information will affect student learning motivation, where according to Augusta (2018), the use of smartphones in students influences their learning motivation.

The sophistication of smartphone technology is highly convenient for humans, especially students, for learning activities. Here, According to Kogoya (2015), are some of the benefits of smartphones for students or humans in daily life namely:

1. Communication

Smartphones are short and long-distance communication tools. It is an oral or written communication tool that can store message practically. Smartphones are effective and efficient when used in life, especially for students.

2. To improve social relations

Apart from being a communication tool. Smartphones can also improve social relations. Humans can still stay in touch with relatives who are far away. With these smartphones, you can also add friends from around the world.

3. To increase knowledge

Smartphones can also be used to increase students' knowledge about technological advances in the era of globalization. Smartphones features that have been provided are certainly very easy. Students can use this to find out the learning materials they need.

4. Entertainment

One of the additional benefits of smartphones features is entertainment. As previously stated, smartphone have many

entertainment features, and this can be a medium to help students or teachers unwind from boredom. Smartphones now have exclusive features such as Mp3, videos, cameras, games, television, radio, chat rooms, and applications.

According to Barakati (2013), smartphones provide many advantages for English Language Education students, such as being easier to use for learning anywhere, easier to find, and add information. The convenience of this smartphone can help them in the learning process, which impacts finding the material they need. Apart from providing convenience for humans, on the other hand, smartphones also have negative impacts on society or students, namely:

1. For health

For health in general, smartphones will emit greater radiation than ordinary cell phones because smartphones work in sending and receiving signals, especially if the user activates cellular data. Radiation can damage the brain and eyes. Using smartphones can harm the health of its users. It effects the connection level of students in learning and can make their academic achievement decrease.

2. Crime

Crime is rampant in people's lives because they want to buy the latest smartphone, so there is often an evil desire from other people to seek personal gain by tricking and being tricked by the community, for example fraud in selling reconditioned or fake smartphones.

3. Addiction

Smartphones can make students addicted and cannot get away from their smartphones. It was starting from waking up to going back to sleep. Smartphones were the first thing they were looking for, and this created a new trend. Nomophobia is the fear that arises because someone has to part with their smartphone, as reported by psychologytoday.com. These fears arose because of the addictive nature of the students.

4. Lack of social interaction in real life

The number of social media makes students more focused on their smartphones. Smartphones cause less social interaction in life. They interact more through social media, which often interferes with relationships with friends, family, and academic achievement by neglecting to play with their smartphones.

According to the above description, it can be concluded that student smartphone use can have both positive and negative

impacts. It is influenced by how students use smartphones applications, such as the internet and browsers, to find information, Students are encouraged to participate in the learning process. Students who cannot control the use of smartphones will have an impact on decreasing learning motivation and disrupting their health.

B. Learning English

1. The Definition of Learning English

Learning has been defined by many researchers. According to Brown (1994), learning is the process of interaction of students with educators and learning resources in a learning environment. According to Tomlinson (1998), learning is a conscious process involving memory associated with information being studied, for example supporting greetings, using language rules, and vocabulary. Language learning is life enhancing. Tomlinson and Masuhara (2004) stated that language learning can use knowledge about language systems and use of language that involves institutions, instructors, learners, and spending also prioritizes learning experiences, self-appreciation, emotional involvement, connected learning with thought power, communicative language use, and learning materials that encourage learners' creativity. Furthermore, according to Uno (2007), learning can interpreted as an interaction process between learning

participants and instructors for learning resource on a learning environment to achieve specific learning goals, and the main principle is the whole process of involvement or a large portion of the students' self-potential and its meaning for themselves and his current life and future come. Pointedly, learning English is still considered a significant aspect to inculcate the insight of English to students.

English is as an International language and plays a major role in the world. Lie (2007) states that English is well thought-out as the most vital and influential language in the world. Additionally, Oxford (2003) states that the earlier the children learn foreign language, becomes easier child to master the language (as cited in Mukminin et al., 2018). According to Johnson (2008), categorize the knowledge and skills that are considered as communicative skills involved in language usage, competence is the term used by linguists to loosely explain what we have called expertise and capacity so far. Pointedly, the new era and globalization today demand many people to master English as an international language.

Learning English holds prominent functions in many aspects of human life. O'Brien (2006) states that more people learning English today in the history of the world because English as important role for human's life to communication. In addition, Richards (2015), learning English means essential for today's generation to adapt to global communication, literature, media, and work in the present and future. Pointedly, learning

English is learned very seriously by many people, and realizing that English is important many people want to study because English it will be easy to communicate with other people in the world.

Learning English is developing the ability to speak English contextually and acceptably according to the context and conditions and daily situations of students. Learning English is essential for today's generation to adapt to global communication, literature, media, and work in the present and future (Marzulina et al., 2021). This is to produce a form of learning English that is more in touch with the language needs of student.

2. The Importance of Learning English

English today is used for many things. Especially in the fields for education, business, politics, and technology. The importance of learning English is very useful and should not be ignored, this is because English is widely used by most countries in the world. English not only acts as a communication tool but also makes it easier to interact in a new environment. From this we can include that learning English is very important for us in adapting to the development of the existing language, especially in communicating. English has been playing the main part in several sectors including medicine, engineering, education, etc. (Nishanthi & Department of Sociology, Bharathidasan University, Tiruchirappalli, Tamil Nadu, India, 2018).

In Indonesia, the use of English is not the national language used, but when taking about the international field, English is an option that can be used in speaking. English in Indonesia, has been widely applied in many places, including in school. Starting from education, business, politics, technology, public services, and others. Which is often applied in many to advertisements and on signs in public places. We will find many curriculums in the science, and engineering education fields written in English (Nishanthi & Department of Sociology, Bharathidasan University, Tiruchirappalli, Tamil Nadu, India, 2018). This shows the use of English in Indonesia has developed rapidly and has been used for daily needs, especially in schools. Many schools have required the use of English in the school environment, this can make it easier for students to use English so that it is easier to apply it in everyday life. Students have no experience using English in their daily life and they are not expected to be able to speak in English in the future workplace (Utami & Nurjati, 2017).

Currently, English is very necessary because of the importance of understanding English which is useful in everyday life, especially in the fields of education, business, and technology. If learning using effective methods can make students master several skills ranging from the ability to write, speak, listen, read. This kind of skill is very much needed in the world of work. Therefore, this shows how important the use of English is nowadays.

C. Previous Studies

As proof of the originality of this research, the researcher conducted a study on several previous studies and included the results of previous research related to the research to be carried out. The first was done by Augusta (2017). This researcher uses descriptive qualitative to analyze this research. Subjects are students of Banda Aceh State Islamic University. In collecting data, researchers used interviews with one participant simultaneously. This researcher chose the type of interview, in order to clearly understand the role of smartphones in learning English as EFL for students. Research conducted by researchers is similar to this study.

The second research was conducted by the Directorate General of Domestic Policy with the title Innovative Schools. "Teaching and Learning in the Digital Age". This researcher provides a review of how the present time understands the role of schools and education in the digital era. There is currently no research available to objectively determine the most profitable way to move forward. Because current research shows that moving from an individualistic knowledge acquisition culture towards a collaborative knowledge creation learning culture.

The last was done by John Seely Brown with the title "Learning in the Digital Age". This study shows a series of dimensional shifts that describe

student in the digital age. The dimensions are presented in turn, they literally fold into one another, creating a set of interrelated cognitive skills.

Here the researcher uses learning English by using gadgets. However, the findings of previous research can be used as a guideline for the author's research, so that it can be used to perfect further research conducted and serve as a research reference.