

CHAPTER II

LITERATURE REVIEW

This chapter present brief discussion about the definition of digital learning and learning English as a way to improve students' English. Develop English language skills, application of four skills in English, previous studies.

2.1 Learning

Learning is considered one of the greatest means of education. it deal with individual's internal world, his or her development and maturity as well as his/her at environment. Learning is a process to get knowledge in experience patterns of cognitive, affective and psychomotoric aspect. Learning is a combination of human, facilities, materials, and procedure that affect each other in order to achieve the goals of what they learning (Puspitarini and Hanif, 2019).. It means, learning is very give influence for the students. It means learning is a change in individual itself as a new pattern of skill reaction, attitude, behavior, intelligence or an understanding. Learning is getting knowledge of a subject or a skill by study, experience, or instruction. Learning is an important things in educational process because it is inseparable with teaching. Learning is intended to gain knowledge or mastering specific competencies. Students can have new ideas and information from learning process. Moreover, learning is the process through various experiences. Students can try new experiences in learning process and get knowledge from it.

Learning is a combination of human, facilities, materials, and procedure that affect each other in order to achieve the goals of what they learning (Puspitarini and Hanif, 2019). The successful of learning can be seen in changes of behavior and knowledge from students. The changes that occur are due to an increase in students' knowledge that affects their behavior and attitudes. From there it can be known that students will have positive changes through learning. These thing happened in all kinds of learning includes language learning.

There are many reason that underlies people to learn language, especially English. (Karlen *et al.*, 2019) stated that the purpose of students have in learning English will effect on what they need to learn and their result. Each students have different purpose in learning English. Therefore, there is also various type of students in learning, some are active and some are lazy.

Based on explanation above learning is an active process that aims at the familiarization of the new experience, on which the whole of individual's activity is structured as he or she reacts to various situations. It is not only the acquesition or the familiarization of particular knowledge but also the acquisition of skills physical and mental, interest, and the establishment of a principles system

2.1.1 Learning of English as a Foreign Language

According to the status of English in Indonesia as Foreign Language (EFL), students need to learn in from the basic. In learning activities, students will gain new knowledge and experience about English. Contrary, students in Indonesia as non-native speaker faces a lot of difficulties in learning English Foreign Language (EFL). It is depend on many aspect that can becomes the

factors behind the students' success. Students' interest, attitude, and motivation take a control in foreign language learning (Thuan, 2021).

In learning English as Foreign Language, students are influence by many reasons behind it. Every students have different reason to learning English. They learn English to get a better job in future, to get better knowledge and value, or even to communicate with people around the world. The support from their parents and teachers are involved in the students' learning process (Uddiniyah and Silfia, 2019)

It can be concluded that while students learning English as foreign language they will gain new knowledge and experience about English. However, as long as the status of English in Indonesia students faces some difficulties. In order that, parents and teachers' role is very important to the successful of learning a foreign language.

2.1.2 Integrated Skills in English

Integrated skills means combining all English such as Reading, Writing, Speaking, Listening that used by student as digital learning. Integrated skills are the teaching approach that incorporates the four language skills (listening, speaking, reading, and writing) to develop students' communicative competence and their ability to use English to gain access to social, vocational, educational, or professional opportunities. This approach was based on the philosophical view that using a single language skill is very rare in everyday life because daily communication requires people to use the four language skills together, which has motivated researchers, scholars, psychologists, and

educators since the 1980s to come to the consensus about the necessity of teaching the four language skills in an integrative mode in language teaching, including the teaching of English as a second language (ESL) and English as a foreign language (EFL). Unlike the traditional segregated language skills approach which teaches a language skill discretely from the others, this approach presents all language skills side by side with each other so that, besides knowing the language they are learning, the learners are also able to use it in natural communication ((Pardede, 2020).

(Puspitarini and Hanif, 2019) stated that English learning in Indonesia aims to make language learning able to communicate with speakers of the language and also English learning is carried out by non-English speakers and as a second language in certain countries which are used as communication bridges, such as trade and education. Language learning is the interaction between language speakers in an effort to acquire language skills. Language acquisition is common in the first language of a language speaker through interaction with parents, siblings, family environment, and community environment where the language learned is used in daily communication.

2.2 Digital Technology

2.2.1 Definition of Digital Technology in Learning

Technology is the idea of things that are created or human made. Other opinions, technology is an artificial intelligence and tools for sharing information and networking (Karunathilake, in (Sari, Martina and Utami, 2022)). Technology is represents the combination of human understanding of

natural laws and phenomena human understanding of natural since ancient to make things that fulfill our needs and desires or that performs certain function, and that it has to create things that benefit human being. (Wahyuni and Hakiki, 2023) stated that when the Internet is connected, we can access and collect information 24 hours a day. Moreover, we can find almost everything on the Internet, and it has regularly updated versions. For students, this access helps them find study materials and learning software to interact and open resources from famous universities in the world. Using technology in learning is an online world where learners use their image as their profile picture to immerse themselves in one place with various contexts. Second Life offers students chances to connect and to cooperate with other learners while away from classes.

Digital applications and resources are now even more accessible with the increasingly more affordable digital technology devices. Low-end smartphones and laptops are now affordable by many people from low- and middle-income households opening their access to the digital world (Şad *et al.*, 2022). The advancement of information and communication technology (ICT) and the ease of access to the Internet has deliverer solutions to those problems and is poised to deliver more through artificial intelligence. The Internet, for example, has provided learners with opportunities to learn English from authentic materials and to experience the authentic use of English when conversing with other learners or native speakers (Marull and Kumar, 2020)Furthermore, the synchronous and asynchronous

communication technologies of the Internet allow language learners to use English for online social collaboration, discussion, and intercultural give-and-take (Dooly, 2017, as cited in (Marull and Kumar, 2020).

Meanwhile, Rahmat Iswanto in (Octaberlina, 2023) argues that technology is interpreted as a means that provides various things human needs for the survival and comfort of his life. With the various opinions above, we can conclude that technology is the result of human thought and effort to succeed in creating something in an organized manner and has its aspects serve to provide benefits for human life itself. More precisely technology is knowledge that is used for a purpose.

As an educational medium, digital technology has produced creative English learning programs. Faridi in Octaberlina (2023) said these applications also include following: (1). Online learning E-learning, also known as online learning, is the implementation of education via technology services that include the telephone, audio, videotape, satellite transmission, and computer. Including courses or instruction delivered utilizing distance-learning technologies and virtual classrooms; (2). Digital Library Is an online library with 800 billion pieces of knowledge on science and other topics; (3). Online University An application of the remote education process in which a virtual university is one of the benefits provided by internet services to students who have difficulty in face-to-face time. The method enhances the educational experience. Then quoted from a site, the next innovation is (4) Virtual reality (VR) can be used to study English by creating an engaging and

dynamic learning environment. Reading VR and Vocabulary VR are two examples of VR applications for studying English; (5). Game-based learning (GBL) is a game-based strategy for enhancing knowledge and abilities. The following are some instances of game-based learning for learning English: The English courses provided by Duolingo are interactive games.

Babbel provides speaking, listening, and writing drills in the guise of entertaining games; (6). Educational Application. Hello English, one of the most popular English-learning applications, provides comprehensive English courses ranging from grammar and vocabulary to listening and speaking. There is also BBC Learning English, which offers English lessons from the BBC on a wide range of broad topics; (7) Educational Videos on YouTube. Videos for learning can be utilized as an aid for learning English since they contain engaging and simple visuals. Examples of English-learning videos include English with Lucy, which provides English-tutorial video segments on various themes. BBC Learning English and VOA Learning English provide native-speaker-led English tutorial videos; (8). Adaptive Learning, Adaptive learning enables students to study at a level that corresponds to their ability and delivers more efficient and effective practice. The Rosetta Stone Platform, which employs complex algorithms to adapt exercises and learning content to the user's progress and skill level, is an example of Adaptive learning in the English language learning process (ŞANVERDİ, 2021)

2.2.2 Digital technology in the development of language learning skills

In addition to integrating learning methods, digital technology is also used in

learning English in various skills, namely listening, speaking, reading and writing. Digital technology can be used as a development medium, a supporting facility, and a motivation for learning English skills. The following is previous research that examines this matter. (Atmowardoyo, Weda and Sakkir, 2020) stated that there are some digital technologies used by students improve the students English Skill:

1. Listening Skill

For improving the students Listening Skill the used digital technologies they are:

- a) YouTube: From YouTube the students can watch ranging from vlogs, news, research, biographies of characters, movie, podcast, song, speeches (TED) etc. This method really influences students skills because when watching they really focus on understanding the videos without subtitles. The media often use are YouTube and Google Podcasts. On YouTube, watch the TED channel and random videos containing the speech of people at a conference. Actually there are many outsider channels on Podcast that support us learning English. Then, YouTube is easy to access and there are many choices of songs that you can listen to. How to use it is very easy, we just look for a collection of English songs and then listen. The results are good, if we do it consistently. The results are quite pronounced. Besides improving listening ability, The students also know the correct pronunciation of a word.

- b) Spotify; JOOX; Netflix movies; Podcast: The students can listen English song in Spotify or Joox, watching English Podcast and movies streaming platforms like Netflix where Legal English language films to watch are available on many streaming platforms.

Social media; Podcast;

- c) Libri Vox: LibriVox is a digital library where you get English audiobooks from your favorite books. LibriVox contains volunteers who read and record public domain text and upload it into an audiobook for free to download. LibriVox is a free Audiobooks provider that is legal and easy to access. Simply visit the website at librivox.org and search for the book or text you want to listen to. The audiobook can be heard directly via streaming or downloaded to be heard later and also no need to log in to start downloading the audiobooks.
- d) Voice feature in Google Translate: When you listen to a lot of English vocabulary, it can help improve your listening skills.
- e) Social Media : The university students use social media in learning English when they have spare time at home, or when the lecturer let them use it in the class, especially for the group discussion. The social media help the students to improve their English skills from the content of the social media that is more varied and this encourages students in English language learning using social media.

2. Speaking Skill

For Speaking Skills, they used some digital technologies covering:

- a. YouTube; Video/film, Social Media : In improving your speaking skills, you did the same thing when practicing listening skills. There is no specific website that you use. You only practice speaking through videos on YouTube, content on Social Media and western films, and have direct conversations with native speakers.
- b. Songs; often sing karaoke so while listening to songs; you can also sing along and read the lyrics. While singing, You can improve your pronunciation a little bit.
- c. Audio Recording, Voice Feature; When you listen to a lot of English vocabulary, it can help improve your speaking skills.
- d. Application such as DuoLingua: When you often practice speaking, imitate what the speaker speak, it can improve your speaking skill

3. Reading Skill

- a) website : provider of novels and online comics in English. You have several online novel, articles, news, shortstories, journal and comic websites that can increase yor knowledge in reading skills. With that result it can get a lot of new vocabulary and know the proper grammar
- b) Social media: Read content from content creator use English can improve your reading skill and add vocabulary. For example: using Twitter. On Twitter, you follow the CNN account which is an online

news portal account where there is news in English. Besides on Twitter, you also often read stories in English on Instagram.

4. Writing Skill

For Writing skill, they used some of digital technologies including

- a) Duolingo: a very useful language learning application and a wide variety of languages to learn.
- b) Grammarly: Learned a lot from grammar-correcting apps like grammar.ly, blogs of random strangers. From there you learned a lot about right and wrong writing styles.
- c) Social media: Social Media is one of the media that I use to practice writing skills. You can really like writing status about poetry, notes and motivational words. On social media there are a lot of author accounts, of course, in English, from there you learned how to write well and from there you also used to get ideas to write.
- d) YouTube with grammar learning: YouTube by watching content that presents grammar learning as a starting point for mastering writing skills.
- e) Google Translate, Online Dictionary: These two media are very important, because in writing skills you have to comply with grammar and tenses quickly and accurately. The result is, of course, in assembling a sentence to produce a sentence that is in accordance with the context and vocabulary rules in English.

2.2.3 Channel and Account Digital technologies

1. Youtube

a. Speak English With Tiffani

This channel offers various tips to improve English fluency, including secrets to speaking confidently and strategies for answering questions in English.

b. Speak English With Vanessa

Vanessa helps you speak English naturally, confidently, and fluently through lessons published every Friday.

c. English Language Academy

This channel provides various English learning materials to help you enhance your language skills.

d. English with Lucy

Run by Lucy Bella Earl, this channel offers educational content about the English language and culture.

e. Rachel's English

is a well-known YouTube channel and learning platform designed to help non-native speakers improve their pronunciation, listening, and speaking skills in American English. The creator, Rachel Smits, is a professional English teacher and pronunciation coach who focuses on helping learners speak English more naturally and confidently.

2. Instagram, TikTok and Facebook

a. Speaking and Listening Skill

- 1) @RachelsEnglish
- 2) Rachel Smits, is a professional English teacher and pronunciation coach who focuses on helping learners speak English more naturally and confidently.
- 3) English with Lucy (@englishwithlucy) – Lucy provides English learning videos covering various topics, including grammar, pronunciation, and vocabulary.
- 4) English with Adriana (@englishwithadriana) – Adriana helps learners improve speaking and listening skills through engaging and interactive content.
- 5) @reallife.english – This account focuses on everyday English conversations. It provides practical phrases, idioms, and real-life expressions that can help learners sound more natural in daily interactions.
- 6) @engvidenglish – EngVid is a well-known platform for learning English, and this account offers speaking practice with examples from native speakers. It helps learners improve pronunciation, fluency, and confidence in speaking English.
- 7) @englishcoachchad – This account is run by English Coach Chad, who shares fun and engaging tips for

improving spoken English. His teaching style is interactive and entertaining, making language learning enjoyable and effective.

b. Reading and Writing Skill

- 1) IELTS by IDP (@ieltsidpvn): This account offers grammar explanations, useful vocabulary, practice questions, and motivational quotes, aiding in comprehensive language improvement.
- 2) Cambridge English (@cambridgeenglish): Provides engaging content like riddles, quizzes, study tips, and English expressions, stimulating cognitive skills and expanding vocabulary.
- 3) English with Michael (@englishwithmichael): Managed by a British English teacher, this account shares regular posts and hosts the "Level Up English Podcast," offering diverse reading materials and language insights.
- 4) Andrea Holm English (@andreaholmenglish): Andrea presents interactive content, including skits and real-life scenarios, to clarify grammar and vocabulary, enhancing reading comprehension through contextual learning.
- 5) English Understood (@englishunderstood): This account offers clear explanations of British English phrases and

dialect differences, enriching vocabulary and understanding of language nuances.

- 6) English with Aga (@english.with.aga): Provides tips and strategies to enhance English proficiency, including reading techniques that can improve comprehension and retention.
- 7) @xyghde – This account shares tips on writing compelling stories using the Write.as platform and offers tricks to enhance writing skills
- 8) @bbclearningenglish – The official BBC account offering English learning materials, such as videos, quizzes, and daily tips.

2.2.4 Benefits of Technology in Learning

The use of technology in formal education has very special significance in lifelong learning (Ersoy and Güneyli, 2016). Technology offers many opportunities to overcome future challenges in learning process, such as:

a. Technology transform the classroom into an interactive learning environment.

Teachers can vary the approaches and methods of learning as creatively as possible so that you can influence students to learn active and can motivate them. This can improve the quality and effectiveness of the teaching and learning process. The use of technology should provide learners with the sense of freedom, motivation, and drive they need to learn. Each learning material requires a different method that must be

tailored to the needs. Here are some teaching methods or techniques that can be applied to technology-based learning: Students project: individual or group; games ; lecturing/speech (ceramah); question and answer or discussion, also demonstrations and experiments. By trying to apply varied methods will also provide a different learning experience.

b. As An Innovative and Creative Learning Medium

Learning by using media can stimulate students' interest. Teachers can also provide examples relevant to learning materials using illustrations in the form of photos or videos so that students will be easier to understand and absorb information.

c. Source of information

Technology offers ease in getting information. Computer and internet technologies have the potential to help provide people to access a myriad of professional, education, social and economic resources. The internet is being used as a source for teaching material. Providing information and communication technologies for teaching and learning will have some advantages. First, the students will play a more active role, which will help them retain more information. Next, follow-up discussions will contain more detail where students will become more independent. Lastly, the students will easily process new student-based educational material and their skills will increase

d. Technology is a powerful tool

It should be selected when it is the best tool for students to learn. The creation of many potential applications as a result of the development of innovative technologies

e. Flexible

can be done without face to face, anytime, and anywhere.

f. Increase the frequency of communication and creativity.

Technology also increases student collaboration that highly effective tool for learning. Students cooperatively works together to either create projects or they can learn from each other by reading the work of their peers.

2.3 Previous Study

This chapter presents the literature review, which deals with the previous related research findings and pertinent ideas. Some of the findings of related research were presented in the following section:

No.	Name	Title	Results
1.	(Lam Kieu <i>et al.</i> , 2021)	The Effectiveness of Using Technology in Learning English	It found that using technology in learning English, we examined the impacts of the teaching on the four skills, and this effect is expressed as a percentage (30%,50%, 80%) based on the results obtained from the questionnaires
2.	(Kim and Bae, 2020)	A Study Into Students' Use of Digital English Learning Strategies In Tertiary Education	It found that first, the most frequently used strategy category was compensation strategies, and this was followed by memory and metacognitive strategies. Second, learner factors included in this study showed statistically

			significant relationships with the use of DELS, but the duration of using digital devices was not related to DELS usage
3.	(Octaberlina, 2023)	Exploring the Use of Digital Technology in English Language Teaching: Strategies and Methods for Effective Implementation	It found that the results of this study are (1). Technology supporting education is expected to assist students and educators in carrying out teaching and learning activities in schools; (2). At this time, many English learning methods have been integrated with digital technology. Such as utilizing digital technology using the direct method and others; (3). The use of digital technology is also used in developing students' English skills (listening, speaking, reading, and writing), for example, the use of YouTube videos, digital posters, digital comics, and Grammarly tools
4.	(Atmowardoyo, Weda and Sakkir, 2020)	Information Technology used by Millennial Good English Language Learners in an Indonesian University to Improve their English Skills	The findings reveal that some information technologies were useful to improve their English Skills. The findings were specified based on the four types of English Skills: Listening, Speaking, Reading, and Writing skills. For improving their Listening Skill the media used by research participants cover 14 types: YouTube; Spotify; JOOX; Netflix movies; Website TED; Listening section TOEFL; Social media; Podcast; Libri Vox; Voice feature in Google Translate; Tiktok; Zenius; Spoon; Cake; and Yolkradio. For Speaking Skills, they used 15 types of media covering YouTube; Peer; Mirror; Social media; Video/film; Songs; Hand phone, Audio Recording, Dictionary, Aplikasi Discord; TV; FGD; Voice Feature; Game; and Duolingu. For Reading skill, they

			<p>used 14 types of media consisting of Novel/literary work; Books; Social media; Artikel; Google; Webtoon; Newspaper; Wattpad; Reading Section TOEFL; Game; Libri Vox; Thoughtcatalog; 8freebook.s.net; and Yolkradio. For Writing skill, they used 14 types of media including Book, Social media, Microsoft word, Google, Hand phone, Grammarly, Duolingo, Dictionary; YouTube; Tiktok; Zenius; Spoon; Cake; and Yolkradio. Under the section of findings, the technologies used by the research participants are presented based on the proportion of the users.</p>
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Based on the previous studies above, it have similarity and differences. It similar because analyze about technology in learning English. This research is difference because this research focus about digital technology used by students in second, third, fourth and sixth semester of English Education Program at Muhammadiyah University of Bengkulu about learning English Skill (speaking, reading, listening and writing).