CHAPTER 2

LITERATURE REVIEW

2.1 Theoretical Framework

    2.1.1 Perception

Perception has a variety of senses, according to Garner et al (1956) argue that perception is an intervening process between stimuli and responses. It means that when you think about something, you will be stimulated to think and express your opinions. Besides, the definition of perception can be found in Quader & Radhika (2019) showing that the perception is influenced by three classes of variables: the event or object that is perceived, the environment that serves as a medium for perception, and the individual experiencing the perceptual state.

Every human being has the cognitive ability to process information obtained from his environment and use their common sense to judge what they see, feel, and think. In common terminology, The Longman Dictionary of Contemporary English defines perception as the way you think about something and your idea of what it looks like, the way you perceive things with your senses of sight, hearing, etc., and finally the ability to naturally understand or notice things quickly (Qiong, 2017). So, perception is considered as a handle by which an individual absorbs sensory data from their environment and uses that data to interact with the environment.

    1. Teachers' Perception

The teacher has a major role in the learning process, as explained by Dagnew & Asrat (2016) stated that teacher perceptions have a major influence on the successful implementation of quality education in schools, teaching quality and learning quality. Meanwhile, perception comes from the Latin word "perceptio", which means perception refers to the organization, recognition and interpretation of sensory information to represent and understand the environment (Sinaga, 2018).

According to the Regulation of the Minister of National Education number 74 of 2008 states that teachers are professional educators with the duties of the principal to educate, teach, train, guide, direct, assess and evaluate students in formal education, basic education and medium. Therefore, becoming a teacher is not easy, it requires training and experience in educating students. Cristina-Corina & Valerica (2012) argues that teachers have a role in teaching activities based on experiences, perceptions, values and beliefs, activities, and responsibilities at school.

Teachers must have the characteristics to realize a goal and target in the education system. Teacher characteristics are instructional behavior shown by teachers as the achievement of a goal in quality, character, mental or moral character/strength and a different status from other people or groups (N. Etuk et al., 2013). Another characteristic that teachers must achieve is to become an effective teacher, in the sense of being able to provide the best for students and involve students in the learning process and maximize student academic achievement and other school outcomes (Gao & Liu, 2013). The purpose of the teacher's perception in this study is to know how the teacher views the Quipper school application which is used in school as an online learning medium based on their experience in using it.

2. Students' Perception

Students are the most important part of the teaching and learning process and have a very strong role. Therefore, students need mentally and physically fit adults who can guide them as they find their way in our world (Evers, Tomic, Brouwers, 2004). The teacher is the right person to guide students in school, and the teacher cannot teach without students. Meanwhile, the teaching and learning process always begins with perception.

Students' perception is the process of treating students to the information they get from an object. Apart from that, student perception is the ability of students to justify their own opinions and have differences from the research presented in class. Ben-Chaim (2001) argues that the importance of students' perceptions of the way of teaching and teacher behavior when teaching in the

classroom, does it provide an understanding of the effects obtained by both of them on each other's behavior to achieve a better learning process.

2.1.2. The Role of Technology in English Language Teaching

Technology remains an essential component of the teaching and learning process. It is an important aspect for the teacher as an effort to facilitate the learning process. It is important to reconsider the idea of incorporating technology in the school curriculum to support the teaching-learning process. Technology becomes an intrinsic part of the learning experience and presents a significant challenge to the instructor, starting with the preparation of the learning experience and continuing throughout the teaching and learning process (Eady & Lockyer, 2013). Pourhosein Gilakjani (2017) agreed that technology has improved language teaching methods. Using technology helps learners learn according to their interests. It also engages the learner's visual and auditory senses. It allows learners to have unlimited access to any information that the teacher cannot provide and to tailor their learning.

In English Language Teaching (ELT), technology is considered a significant driver in the learning process. It has been utilised to facilitate and help the teachers to modify classroom activities, which improves language acquisition. Technology provides some tools to assist teachers in facilitating language learning for their students to keep growing. One of the advantages of implementing technology in language lessons is an increase in interaction between teachers and students (Mouza, 2018; Sabzian, et al. 2013). Allowing students to assist teachers during the teaching process can boost students' confidence.

The use of technology in the classroom has been shown to enhance student learning results. If the history teacher acts as a facilitator and eases the student to understand the tools, technology-based learning will be successful (VanSledright, 2010, Virgin, 2014). The learning of history will be more efficient if technology is used in the process. From this perspective, effective learning is learning that optimally integrates information and communication technologies (Martinelle, 2020).

2.1.3 Quipper School

According to Sulisworo, Sulistyo, and Akhsan (2017), Quipper School is a website that can be utilised to enhance technology-assisted learning. Quipper School is another programme that was created by Quipper Ltd. in London and is accessible online at http://school.quipper.com (Saptani, 2016). Therefore, among the nations that have already used Quipper School are the Philippines, Indonesia, Thailand, Mexico, the United Kingdom, India, Russia, and Turkey.

There are two main platforms in the Quipper School application, namely teacher portal and student portal. The teacher portal is called QLINK while the student portal is called QLEARN. Teacher portal (QLINK) is a place for monitoring students' learning progress and assisting in providing the material and giving exercises for students. The student portal (QLEARN) is a place to learn in methods which are fun and can assist to learn and to do exercises that are given by the teacher (Febrianti et al., 2018).

Picture 1: Portal for Teacher

Picture 2: Portal for Student

On the other hand, creating a free Quipper account or using an existing Facebook account is required before teachers and students may begin using Quipper School (Sukawatie, 2018). Additionally, there are different accounts for teachers and students. According to (Sulisworo et al., 2017), teachers can create classes specific to their subject areas, and students can join those classes by entering the code provided by their teacher.

Picture 3: Access for Enter to Teacher Portal and Student Portal

For both students as well as instructors, Quipper provides three separate access levels for each role: creation, assessment, and learning. The setting up of the learning environment, the resources, and the student participants is covered by

the available creation features. The assessment tools facilitate the teachers to apply the assignments and lessons for students. Additionally, the learning component allows the learners to access the educational resources (Sukawatie, 2018). Quipper School offers a wide range of resources that are quite distinctive to stimulate the learning process and prevent boredom. Therefore, if there is internet access, teachers can use Quipper School to give lesson materials, videos, animations, and activities that students can quickly access (Mahariyanti & Suyanto, 2019).

1. Quipper for Teacher

The teacher portal in Quipper School is called QLINK. Here are the following features in QLINK to facilitate teachers in accessing Quipper School:

1. Create class and share class code with students

First go to the 'Home' page, then click 'Class List' and then click 'Create a new class' select the grade level and type the desired class name and last click 'Save'. Thus, the class will immediately appear on the 'Class List' page and you can check the class code at any time. The advantage of Quipper School is it can create many classes with a maximum of fifty classes.
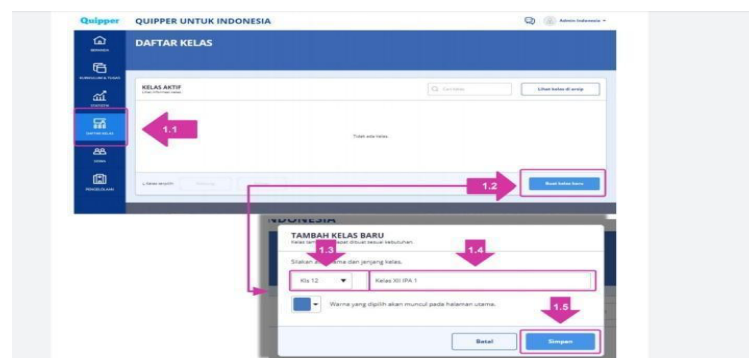

Picture 4: Create Class and Share Class Code with Students

2. Submitting assignments to student accounts (QLEARN)
   1. From the 'Home' page, click on 'curricula & assignments' then select 'Category' select 'Field of Study' and select 'Module'.

2. Next, select the 'Topic' you want to assign as 'Assignment' to the QLearn account without a check mark (click) in the box to the title 'Topic' then scroll down and click on 'Create task with selected topic'.

3. After that select the 'Class' to which the assignment will be assigned.

4. Then select the type of 'Assignment' to be given (Assignments, Exams, or Questions & Reviews select the duration of the 'Task' to be assigned.

5. So, given the task name and leave a comment (optional). Last click on 'Submit Assignment'.

6. After confirmation of the created task appears, then click 'Go to dashboard', the task list will appear on the 'HOME' page, or you can click 'Create new task' to create another 'Task'.
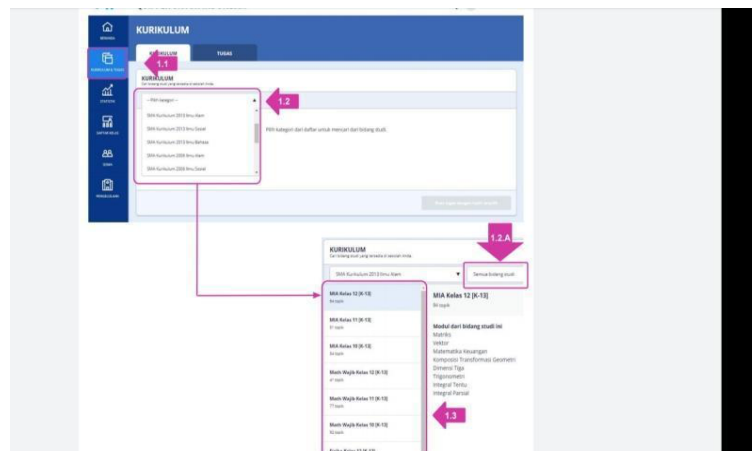

Picture 5: Submitting Assignments to Student Accounts (QLEARN)

2. Quipper for Students

The activities carried out by students at Quipper School are self-study and doing assignments from the teacher. Here are the ways for students to study and do assignments on Quipper School.

1. On the 'Home' page, students can immediately get assignments from the teacher automatically if the teacher has given the assignment. Then click on the name of the task or topic to get started.
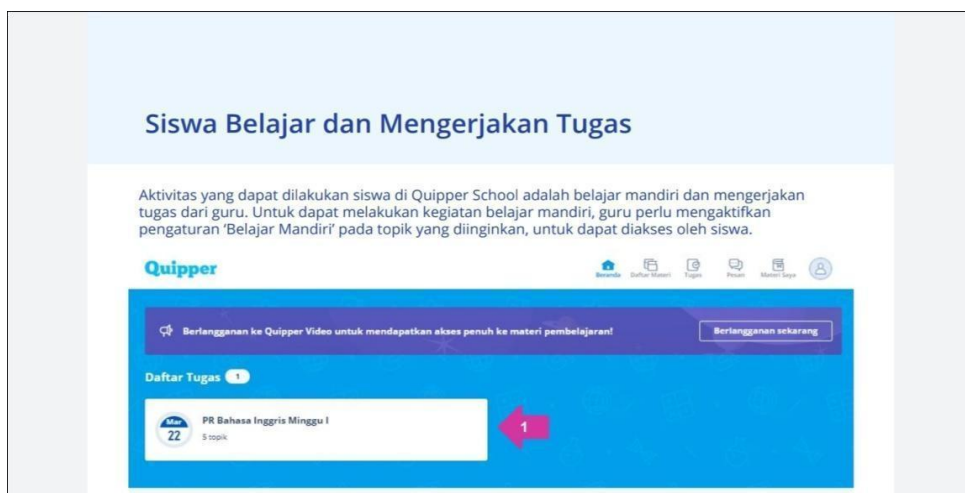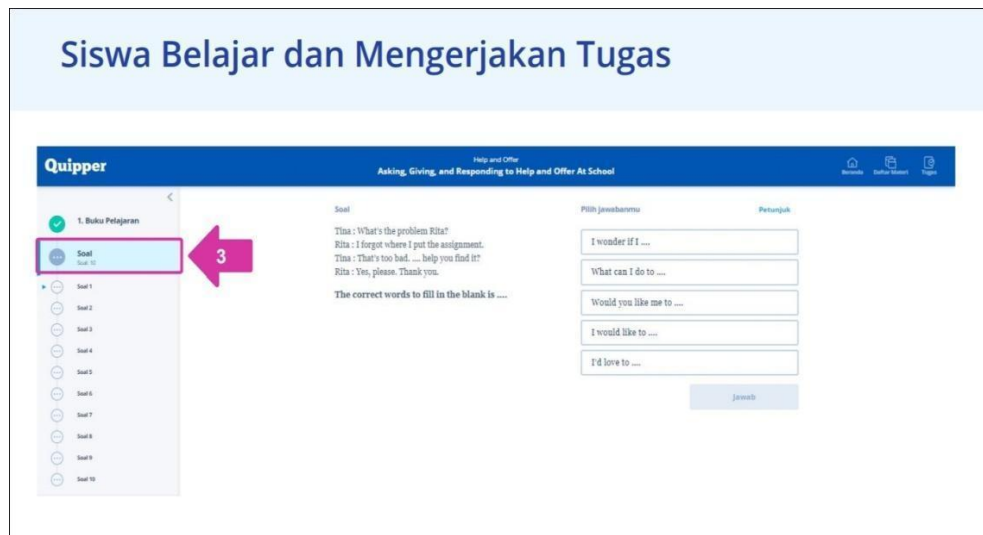

Picture 6: Get The Assignment from The Teacher

2. Students can read the material in the 'Textbook' section.
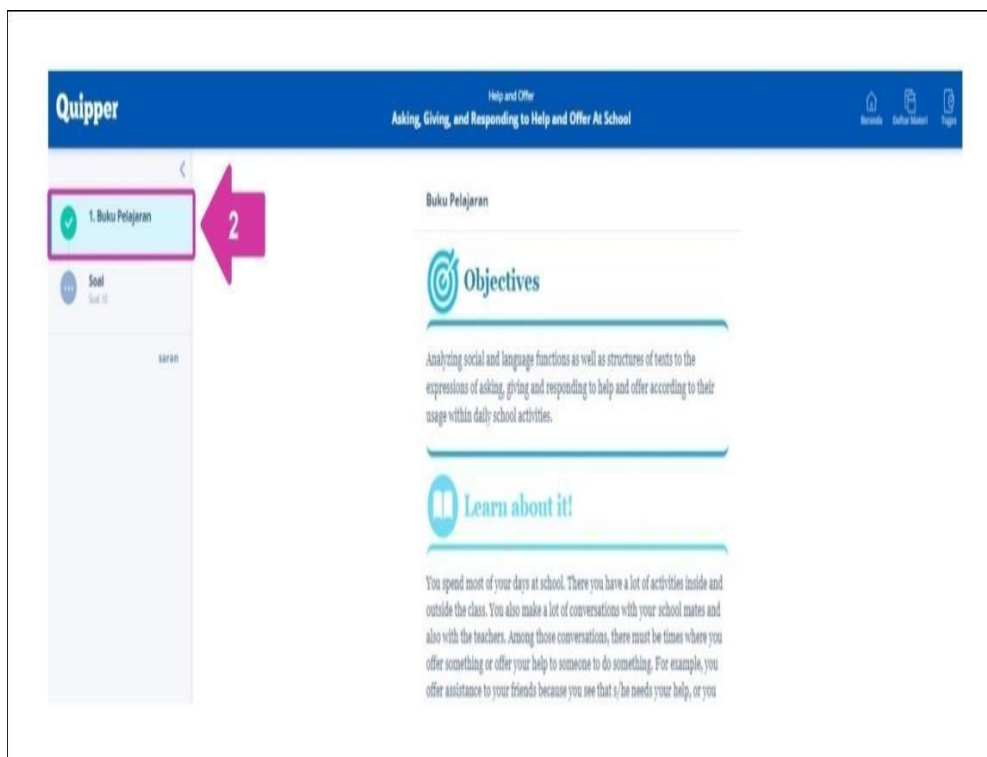
Picture 7: Students Can Read the Material in the 'Textbook' Section.

3. Students can work on questions in the 'Problems' section.

Picture 8: Students Can Work on Questions in the 'Problems' Section.

3. Quipper School as Learning Management System (LMS)

A learning management system (LMS) is a web-based software application created to organize learning content, student relationships, assessment tools, and information about learning progress and student activities (Mohd Kasim and Khalid, 2016). It also helps teachers track student activities with various assignments, discussion forums, and other activities. There are three basic functions of an LMS: creating course tools, teacher and student support tools, and administration system (Paulsen, 2003). It has various features such as forums, chat, quizzes, videos, animation, etc. that supports the learning process and connect with sites around the world. This enables students to be more motivated and learn independently.

According to Mulyuno (2019), Quipper has a feature that provides teachers and students with an inbuilt web-based learning framework, while other similar web-based learning management platforms such as Moodle, Claroline, ATutor, Omeka and Docebo always require Web server pre-installation required. It also allows teachers to upload and store PowerPoint presentations, PDF files, photos, and videos online. Additionally, the storage allows teachers to track their teaching and learning activities on the web server, allowing them to control student

learning regardless of time or location. The good news is that although registration is required, the service provided by Quipper is completely free.

2.1.4 Online Learning

Online Learning is a learning process using internet facilities, digital media, or computer networks to deliver material. Online learning methods can be accessed via mobile phones so that learning can be done mobile and more flexibly. In the beginning, the goal was to organize learning that could be accessed anywhere and at any time. One of the reasons why online learning is discussed so much is because of the many benefits and uses of online learning. Some of the most important are: its effectiveness in educating students, its use for professional development purposes, its cost-effectiveness in combating the rising cost of education postsecondary education, postsecondary equivalency credits, and the opportunity to provide a world-class education for anyone with a broadband connection (Bartley & Golek, 2004). Today, digital learning environments have become much more sophisticated. Digital learning now offers facilities for group learning, projects and creativity development. Educational flexibility in online learning creates an online learning environment that suits their own learning style. This flexibility helps students and teachers connect and learn. Online education allows teachers and students to set their own learning pace and be more flexible in arranging class schedules to suit each individual's time. So, using an online education platform allows for a better balance between work and study so there is no need to sacrifice anything.

2.2 Study of Relevant Research

Online learning during the Covid-19 pandemic was very widely used by various schools and institutions. There are many challenges in the online learning process. This is a virus or disease that can be contagious and dangerous. The existence of the coronavirus originating from zoonoses, which can develop into strains and can cause infection in humans and lead to fatal diseases (Habibzadeh & Stoneman, 2020). It is explained that coronavirus disease (Covid-19) has spread

around the world posing a serious threat to global health during the recent decades (Sastranegara et al., 2020). Regarding to issue, the government made new rules by implementing social distancing, wearing masks, and washing hands. Hence, the education institutions are adapting to this situation by applying the online learning era.

According to Gonzalez & Louis (2018) in Atmojo & Nugroho (2020) stated that E-learning is defined as learning carried out at a distance supported by electronic devices, such as tablets, smartphones, laptops and computers that require an internet connection internet connection. While Keengwe and Kidd (2010) argue that e-learning not only focuses on online contexts but also includes the full range of computer-based learning platforms and methods, genres, formats and media such as multimedia, educational programming, simulations, games and the use of new media on fixed and mobile platforms in all professional fields. The term "online learning" (also known as "e-learning") is used to define the use of the Internet as a technological tool that allows users to interact with content, with other users, and receive assistance help in the learning process so that they can acquire knowledge, construct personal meaning, and experience learning (Ally, 2008). The implementation of e-learning can be expanded to include different processes and application software such as computer-based learning, web-based learning, and virtual classrooms (Sastranegara, et al., 2020). Meanwhile, e-learning is included in technology-based learning using internet, intranet and extranet resources.

One of the platforms of online learning media that can be implemented in Indonesia during online learning is Quipper School. A recent study by Sastranegara et al, (2020) stated that Quipper School ease the students to do their homework and online assignments in history learning through digital devices. Buntoro et al., (2018) added, that Quipper School also used by teachers to assist them managing learning materials, examinations, and students' grades.