

# CHAPTER I

## INTRODUCTION

This chapter covers the background of the study, the identification of the problem, the scope of the study, the research question, the research objective, the research significance, and definition of the key term.

### 1.1 Research Background

The learning paradigm is shifting toward digitalization followed by the learning media changes. In addition to teaching materials, the change toward the digital era occurs in learning methods and the assessment process aspects. In 2020, we experienced a terrifying pandemic that affecting all life aspects, one of them is education. All learning activities have been shifted from traditional method which face-to-face becoming remote learning or long-distance using technology (Kalyani & Rajasekaran, 2018). The teaching and learning process conducted in the classroom as a place where teacher meets students to exchange the information. Due to pandemic COVID-19 has been stated end. The use of technology after pandemic in classroom activities are common these days. But, even the use of technology has become to a common thing nowadays. It is still most of the teacher and students lack in understanding of how to use technological devices (Redding et al., 2013).

Technology utilization in the globalization era considered as significant sophisticated facilities to support the learning process delivery, especially during the period of the Covid-19 pandemic. The importance of technology implementation must follow its development. The for learning is an application or media that has been specially designed in a modern way and is used as the medium, tool, as well as source, for learning and assessment. Currently, the technology that is widely used in education is information technology. The existence of information used for learning media can have a positive impact on students or in other words, students can more easily find the required information during the learning process. (Puspitarini, Januari & Hanif, Muhammad. 2019).

English has been taught as a foreign language in elementary, middle, and high school. It aims to improve knowledge, skills, and attitudes towards the English language. English literacy skills are skills related to reading and writing. A student's literacy is also associated with their use of English in real life (Kurniawan & Budiyo, 2021). Students' English proficiency can be confidently used to communicate, interact with the international

community, and develop critical thinking skills. Learning English for Illiteracy is learner-centered in which the learning was made possible through innovative learning strategies that lead to greater independence in learning and increased literacy in students.

English language these days is not only for academic reasons but also for life skills of the 21<sup>st</sup> century. With the career opportunities available and working in a globalized world, English language proficiency is seen as a priceless asset for success in life (Whitehead, 2007). The government of Indonesia has prioritized efforts to improve foreign language skills, particularly in English, through various programs and initiatives (Kementerian Pendidikan dan Kebudayaan, 2017). One such program involves increasing the quota for learning English at the secondary school level, providing students with more opportunities to enhance their language proficiency (Kementerian Pendidikan dan Kebudayaan, 2020).

In addition, there are professional development programs available for English The teacher, such as workshops and training courses, aimed at enhancing their teaching skills (Mahmudah, 2021). Even though the COVID-19 pandemic has ended, the use of technology in teaching has become a necessity at present. Not only does it make it easier for The teacher to deliver materials to students, but it also assists The teacher in conducting student assessments. Additional hard work from the teacher to motivate them to learn English and apply appropriate learning strategies to build their English skills. In addition to the problem of learning strategies, The teacher evaluate student learning outcomes (Assessment of Learning), become a tool for students to improve learning (Assessment for Learning), as well as reflect and enhance their learning (Assessment as Learning).

Covid-19 has given the education sector a problem called learning loss it refers to the decline in academic progress or knowledge retention that occurs when students are not engaged in consistent, structured learning. Online learning has become increasingly prevalent since the onset of the COVID-19 pandemic, and it has raised concerns about learning loss among students. Research has shown that online learning can be associated with learning loss, particularly for students who were already struggling academically. A study by Kuhfeld et al. (2021) found that during the pandemic, students experienced an average of five to nine months of learning loss in mathematics, and four to seven months of learning loss in reading. The study also found that students of color and students from low-income families experienced greater learning loss than their peers. There are several reasons

why online learning may contribute to learning loss. One is the lack of face-to-face interaction and support from The teacher and peers, which can lead to decreased motivation and engagement. Another reason is the potential for distractions and disruptions in the home environment, which can interfere with students' ability to focus and learn.

To mitigate learning loss during online learning, it is important to provide students with high-quality, engaging instruction that is tailored to their individual needs. The teacher can use a variety of strategies, such as providing frequent feedback, incorporating active learning techniques, and creating opportunities for collaboration and discussion. Additionally, providing access to resources and technology can help ensure that all students have the tools they need to succeed.

During the pandemic, the online teaching and learning process rises the learning loss phenomenon. Some characteristics of learning loss that occur are students finding it difficult to concentrate, students lacking external support, and students not having self-motivation, which has a huge impact on the student learning process (Parahita, Ghufroudin, Astutik, Yuhastina, & Siregar, 2022).

The teacher need to improve all needed aspects to support the teaching and learning process that is implemented. One of those is to conduct an assessment of students. In conducting assessments in the learning process, The teacher must provide accurate assessment tools to assess students' abilities in real terms. An assessment tool determines student grades and competencies (Berry, 2008). As part of preparing lesson plans, The teacher need to design evaluation tools that align with the latest technological advancements. To ensure effective assessments, English The teacher must be knowledgeable about integrating technology and developing content and learning processes that engage students and provide meaningful feedback Tlili, A., & Huang, R. (2020). Technology-based applications can be employed to assess different language skills, including listening, reading, reading, and writing. Such applications enable The teacher to conduct objective and authentic assessments that measure students' development during the learning process.

The rapid technology development can support the assessment process carried out by The teacher. Not all The teacher can judge whether they are taking advantage of this rapid technological development or not. In the assessment, many The teacher are also beginning to use technology in the assessment process. Applications such as Padlet, Google Forms,

Quizizz, word wall, and so on are widely used in the assessment process. Therefore, professional development is needed to provide general insight into innovations that can be applied in education, especially in conducting assessments (Sanford & McCaslin, 2004; Ghavidel & Valipour, 2021). One reason for using Quizizz can provide immediate feedback to learners. This means that they can identify their mistakes and correct them more quickly, which can accelerate their language learning progress. Another benefit of Quizizz application is that it can provide a more engaging learning experience for students. With interactive activities and multimedia resources, learners can be more motivated to engage in the assessment process, which can lead to better language learning outcomes. Overall, the correlation between technology-based assessment and language learning achievement is a positive one. By incorporating technology into language learning assessments, educators and learners can improve the effectiveness and efficiency of the learning process.

Quizizz could give many feature for teacher to conduct assessment, including online quizzes, simulations, and game-based assessments. These assessments can be used to measure a range of skills and knowledge, including critical thinking, problem-solving, and creativity. One study found that technology-based assessments can improve the accuracy and fairness of assessments, reduce the time and cost associated with grading, and provide more detailed feedback to both The teacher and students. However, it is essential to ensure that technology-based assessments are aligned with learning objectives and that The teacher receive appropriate training to use them effectively.

The preliminary observation was conducted at SMPN 1 Selemadeg. In the initial observation activities carried out during ongoing professional development activities, it was found that most of the The teacher who participated in professional development activities said that they still did not understand how to use technology in carrying out assessments properly. even so, some The teacher have received training on how to conduct learning by utilizing technology organized by Google. During distance learning, Google provides a Google Suite facility with the belajar.id

Post graduate program was inspired to conduct a professional development to give teacher chance **to learn** in how to conduct a skill-based assessment. Professional development is important because many The teacher do not take the advantages of technology in their assessment process. The The teacher welcomed the professional

development that conducted by Undiksha because they had never been trained to use the app when conducting assessments. In addition, teacher gained new information about how to implement application of technology in conducting assessment to their students, especially the use of applications in conducting assessments. Of course, in during professional development, implementers have limited time. They need to follow up on research in the form of support and analysis of the impact of using technology, especially the use of applications, in the evaluation. Therefore, an analysis of the effects of the support and its use is carried out even after professional training has been carried out. Quizizz app were chosen because it is a free platform and easy-to-use.

Quizizz is an application-based online learning platform. Quizizz can be used using an application or accessed using a web browser. Conducting assessments using Quizizz can provide a pleasant learning experience for students, this is because Quizizz has several advantages in using it. Among them is its attractive features and ease to use. There are several features that can attract interest in learning, as well as several features that can support the student learning experience with Quizizz Dewi, N. N., & Astuti, I. W. (2021).

There is a growing body of research that suggests that Quizizz can have a positive impact on student learning. For example, a study by Darmawan et al. (2020) found that the use of Quizizz in science classes led to significant improvements in student achievement. Another study, by Dhamayanti (2021), found that Quizizz can help to improve student engagement and motivation in English classes.

There are a number of reasons why Quizizz can be an effective learning tool. First, it is gamified, which means that it incorporates elements of games such as points, rewards, and leaderboards. This can help to make learning more fun and engaging for students. Second, Quizizz can be used to provide immediate feedback to students, which can help them to identify and correct their areas of weakness. Third, Quizizz can be used to track student progress over time, which can help The teacher to identify students who need additional support.

Of course, Quizizz is not a magic bullet. It is important to use it effectively in order to achieve the best results. For example, The teacher should carefully select the questions that they use in their quizzes, and they should make sure that the quizzes are aligned with the learning objectives of the lesson.

Overall, the research suggests that Quizizz can be a valuable tool for enhancing student learning. If you are looking for a way to make your classroom more engaging and effective, Quizizz is worth considering.

To ensure effective technology-based teaching and assessment, English The teacher should acquire the necessary knowledge and skills to utilize the Quizizz Application. This study aimed to examine the professional development implemented in terms of, technology-based assessment in the classroom using Quizzes application, the The teacher' perception about the professional development and the effect of Quizizz application toward students' reading skill at SMPN 1 Selemadeg, Tabanan.

## **1.2 Problem Identification**

The use of technology in assessment is crucial for innovative, objective, and appropriate evaluation. However, some The teacher lack of experience in integrating and implementing technology especially using Quizizz for assessing student reading skill in classroom, despite using it for teaching after the Covid-19 pandemic. Many The teacher do not take full advantage of technological advancements, particularly in the assessment process. Professional development is essential to learn how to use technology named Quizizz app can be effectively in the learning and assessment process. The teacher must learn to develop and apply relevant assessments that align with technological advancements. Middle school English The teacher require support and assistance in creating technology-based assessment tools and designing an English learning process that aligns with the evaluation tool. Students also face difficulties in reading English, which highlights the need for effective assessment tools that promote communication and discussion.

## **1.3 Limitation of Study**

To narrow the scope of this research, the study focused on the participation of English The teacher in a professional development program that used technology-based assessment, specifically the in implementing Quizizz application, and their perceptions and implementation of it in teaching English as a foreign language to ninth grade students at SMPN 1 Selemadeg, was primarily interested in analyzing the effectiveness of using the

Quizizz application for assessments, particularly in evaluating students' reading skills in terms of recognizing words, understanding vocabulary, making inferences and drawing conclusions, identifying main ideas and supporting details, recognizing text structure, and evaluating the author's purpose and tone.

#### **1.4 Research Question**

The research questions could be formulated based on the background above.

1. How does English The teacher learn to use Quizizz Application during the professional development on technology-based in reading comprehension assessment was conducted?
2. What are English The teacher' perceptions about using Quizizz application for assessment in the ninth grades at SMPN 1 Selemadeg?
3. How do the English The teacher implement Quizizz applications in assessing students' reading skills?
4. Does the implementation of the Quizizz application affect the reading achievement of the ninth-grade students of SMPN 1 Selemadeg?

#### **1.5 Research Objectives**

Based on the research question above, the objectives of the research could be formulated as follows:

1. To describe how English The teacher learn to use Quizizz Application during the professional development on technology-based assessment was conducted
2. To describe English The teacher' perceptions about implementing Quizizz application for assessment in the ninth grades at SMPN 1 Selemadeg.
3. To describe how the English The teacher implement Quizizz applications in assessing students' English skills