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# **Exploring EFL Teachers' Perceptions on Online Assessment's Impact in Language Education: A Case Study of EFL University Teachers**

**Dissertation Submitted to the Department of Letters and English Language  
in Partial Fulfillment of the Requirements for the Master's Degree in  
Linguistics**

## **Candidates:**

Hammal Nacer Eddine

Heboub Atif

## **Board of Examiners**

|                       |                      |             |
|-----------------------|----------------------|-------------|
| Ms. Rebahi Khaoula    | University of M'sila | Chairperson |
| Ms. Oumessaad Berkani | University of M'sila | Supervisor  |
| Mrs. Harizi Nassira   | University of M'sila | Examiner    |

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## **Dedications**

We weave this dedication to our family, the steadfast anchors of our journey.

To our parents whose love is an eternal flame, illuminating our path through the darkest nights.

To our dearest friends, whose unwavering support and camaraderie have been a melody of joy in our life's composition.

Lastly, to the mentors who ignited the flame of knowledge within us, we offer our heartfelt gratitude.

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Lastly, our profound thanks go to the teachers who participated in the study. Their participation and experiences have been instrumental in the completion of this research.

### **Abstract**

This dissertation investigates e-assessment within the context of EFL, focusing on teachers' perceptions and practices. Employing a quantitative research design aligned with positivist principles and the Technology Acceptance Model (TAM) framework, data was collected through an from a diverse group of 16 language instructors at Mohamed Boudiaf University in M'sila and other Universities like Jijel, Blida, Tizi Ouzou, Bejaia, Khenchela, and Oran. The study reveals that teachers recognize both advantages and challenges associated with online assessment in language teaching. They also perceive e-assessment as a valuable tool to enhance student engagement and align with contemporary technological trends. While anticipating a significant role for e-assessment in the transformation of higher education, they also acknowledge its potential to complement traditional methods. This research would significantly contribute to the ongoing discourse surrounding the integration of e-assessment in modern educational practices.

**Key Words:** E-assessment, Mohamed Boudiaf University in M'sila, other Universities, Technological trends, online questionnaire, language teaching, online assessment, challenges, advantages.

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## **General Introduction**



## **General Introduction**

### **1. Background of the Study**

E-assessment, particularly within the sphere of English as a Foreign Language (EFL) pedagogy, emerges as a pivotal facet in contemporary instructional paradigms. The relentless march of technological advancements continues to reshape pedagogical landscapes, manifesting in the increased integration of e-assessment tools and methodologies within the field of EFL instruction. This paradigm shift is intrinsically motivated by the perceived advantages intrinsic to e-assessment, encompassing facets such as augmented feedback mechanisms, heightened adaptability, and enhanced alignment with the exigencies of the digital epoch (Bach & Haynes, 2012). However, the efficacious implementation of e-assessment tools in the domain of EFL learning is inextricably linked to the perceptions, attitudes, and experiences of teachers.

Within the intricate fabric of language education, EFL teachers occupy a pivotal role in orchestrating the judicious utilization of e-assessment modalities. Their discerning perspectives, pedagogical inclinations, and adeptness in navigating the labyrinthine landscape of digital assessment platforms wield a profound influence in configuring the learning milieu for EFL students. Consequently, the comprehension and elucidation of the perceptions held by EFL teachers concerning e-assessment assume an unequivocal significance, attaining the status of a *sine qua non* in optimizing its implementation and realizing its latent advantages (Wang & Chen, 2018).

A corpus of scholarly inquiries has undertaken the task of probing into the cognitive landscape of teachers with respect to e-assessment in EFL contexts. A study by Lee and Kim (2020) provides empirical evidence attesting to the utility of e-assessment in the eyes of EFL teachers, who espouse its merits in terms of timely and bespoke feedback provision, a trend

congruent with the discernible virtues associated with digital assessment modalities (Lee & Kim, 2020). Correspondingly, research conducted by Hsiao and Oxford (2002) underscores the predilection of EFL teachers for e-assessment, accentuating its efficacy in accommodating diverse learning proclivities and the disparate levels of proficiency exhibited by their students, thereby enhancing the overall pedagogical milieu (Hsiao & Oxford, 2002).

However, it is incumbent upon scholarly discourse to acknowledge that the terrain of teachers' attitudes toward e-assessment is not uniformly adorned with positivity. Some pedagogues may entertain reservations or harbor concerns apropos the assimilation of digital assessment instruments within the precincts of EFL instruction. To illustrate, Lea and Street (2006) have probed into the trepidations harbored by EFL teachers concerning the authenticity of assessments conducted online and the attendant specter of plagiarism looming within digital environments, thereby underscoring the intricate tapestry of teachers' perceptions of e-assessment within EFL education (Lea & Street, 2006).

Furthermore, the adoption of e-assessment in EFL milieus is inexorably conditioned by a medley of contextual determinants, comprising the technological infrastructure, institutional support systems, and the digital literacy proficiencies inherent to teachers (Sharma & Barrett, 2007). The readiness of teachers and their comfort levels with technology wield conspicuous influence over their willingness to embrace e-assessment as an integral facet of their pedagogical repertoire.

## **2. The statement of the problem**

The research issue at hand pertains to the scarcity of investigations in the realm of e-assessment within the Algerian context, specifically concerning the perceptions of EFL teachers at the University of Msila and other Algerian universities. While the global adoption

of e-assessment practices has gained momentum, a noticeable gap exists in our understanding of its precise implications and applications within the Algerian EFL instructional landscape.

Embedded within this research challenge is the apparent absence of in-depth inquiries into the perspectives, implementations, and forward-looking visions of EFL teachers at the University of Msila concerning the role of e-assessment in shaping the future of EFL pedagogy. This scarcity of scholarly attention is particularly salient within the Algerian EFL context, where the convergence of technology, pedagogical methodologies, and assessment practices introduces distinctive nuances and complexities.

This dissertation delves into the realm of e-assessment within the context of EFL instruction, with a primary objective to elucidate how EFL teachers perceive, implement, and envision its role in the future of EFL teaching and learning. By scrutinizing the intricate nexus between technology, pedagogical methodologies, and assessment practices, this research endeavors to elucidate both the potential and challenges inherent in e-assessment. Through the lens of EFL teachers' perspectives and experiences, this study aspires to furnish meaningful contributions to the ongoing discourse encompassing e-assessment's integration into modern EFL instructional paradigms.

### **3. Research Questions**

This study addresses the following inquiries:

1. What benefits do English language teachers associate with the integration of online assessment methods into their teaching practices?
2. What are the challenges anticipated by English language teachers when integrating online assessment methods into their teaching practices?

3. How do English language teachers envision the role of e-assessment in shaping the future of language education at the university level?

We propose the following hypotheses as potential answers to these questions:

1. English language teachers perceive online assessment methods as beneficial due to their potential for enhancing efficiency, accessibility, and student engagement.
2. English language teachers also acknowledge challenges related to technical issues and pedagogical adaptation.
3. English language teachers envision e-assessment playing a significant role in the future of language education at the university level. They anticipate that e-assessment will offer benefits in terms of adaptability to changing pedagogical trends but recognize challenges associated with technological readiness and security concerns.

#### **4. Aims of the Study**

The current study is designed to attain the following objectives:

1. To identify and analyze the benefits English language teachers associate with integrating online assessment methods into their teaching practices.
2. To examine the challenges perceived by English language teachers when integrating online assessment methods into their teaching practices.
3. To explore English language teachers' visions regarding the role of e-assessment in shaping the future of language education at the university level.

#### **5. Significance of Study**

This research carries notable importance within the field of EFL as it examines the unique intricacies surrounding the incorporation of online assessment methods into the

teaching approaches of English language teachers. The ensuing aspects emphasize its distinct relevance:

1. This study tailors its findings to benefit English language educators, addressing the unique challenges and benefits in language instruction.
2. It Informs Practical Teaching. By exploring challenges and benefits, this research provides immediate practical implications, enabling educators to enhance language instruction strategies.
3. It aligns with University Context. Focused on university-level language education, this research ensures direct applicability to higher education institutions, enhancing its practicality.

## **6. Research Methodology**

In this study, a quantitative research design rooted in positivist principles is employed, characterized by its emphasis on objectivity and empirical evidence, achieved through statistical analysis of the data obtained . Positivism guides the research methodology, ensuring that findings are derived from concrete data rather than subjective interpretations. The study's adoption of a Technology Acceptance Model (TAM) framework serves as a structured theoretical lens for assessing English as a Foreign Language (EFL) teachers' perceptions towards online assessment. TAM is a recognized model that examines user acceptance of technology by evaluating perceived usefulness and ease of use. In this context, it aids in understanding how EFL teachers perceive and engage with online assessment in their teaching practices. The primary data collection method is an online questionnaire designed for quantitative responses. Participants include a diverse group of language teachers from Mohamed Boudiaf University – Msila and other Algerian universities, selected to represent varied backgrounds and experiences .

## **7. Structure of the Study**

This dissertation is structured into three distinct chapters. In the opening chapter, a review of existing literature is presented, analyzing existing research to evaluate the impact of e-assessment on language education. Chapter Two is concerned with the practical phase of the study, presenting a comprehensive account of the research methodology employed, including the design of an online questionnaire aligned with the Technology Acceptance Model (TAM) framework. The third chapter centers on data analysis and discussion, with the primary aim of unveiling the perspectives and experiences of EFL teachers in the realm of online assessment.

# **Chapter One**

## **Literature Review**

## **Chapter one**

### **Literature Review**

#### **1.1 Introduction**

Technology is continuously transforming language teaching and learning ;thus, the blending of pedagogy and technology has become necessary for change. In this context, the e- assessment represents the major role in reshaping the traditional teaching methods with the technological advancements. It is essential to understand how English as a foreign language (EFL) instructors perceive and Viewpoint online assessment. Moreover, this review depends mainly on an explanation of the different aspects characterizing this shift to shed the light on the path created by technology enhanced assessment within language teaching. This study attempts to provide insights to the developing landscape of language teaching through examining the benefits, obstacles and future possibilities of e-assessment.

#### **1.2 The Historical Foundations of Language Assessment and Technological Shifts**

Due to the interaction of technological advancements and pedagogical approaches, a huge transformation and shift has been revealed. The evolution of language assessment appears as a significant Testament to this interplay, shedding the light on the diachronic shift from traditional pedagogical methodologies to modern-tech driven approaches , focusing on language learning and teaching, when examining the historical foundations of language assessment we encounter a wide array of practices that have persisted over time. Conventional assessment methods firmly entrenched in educational history, reflect a bit of logical ethos that predates the digital age. These traditional approaches have included oral examinations, written tests, and practical demonstrations that were the basic methods of



educational evaluation. The fundamental principles of these methods relied on the evaluation of Learners' proficiency of Concepts and skills, with an emphasis on content recall and comprehension. These Practices are no longer the only determinants of educational outcomes despite their historical Legacy ( Smith,1998;Johnson.2005). Yet, with the educational landscape evolving under the influence of Technology, assessment experienced a notable transformation. The emergence of Technology triggered a pattern shift, giving rise to a new chapter in the history of language assessment. The technological changes in assessment, marked by the integration of digital tools and platforms, brought a new era of opportunities and complexities. Traditional paper-based examinations lead the way to computerized assessments featuring interactive interfaces and automated scoring systems. This transformation not only enhanced the efficiency of the assessment process but also made it more flexible to accommodate the variety learning styles and contemporary students.( Brown,2012;Johnson and Smith,2020).

The shift from traditional methods to technology mediated-assessment represents not just a change in approach, but a profound transformation in the fundamental nature of educational evaluation. The integration of Technology brings various advantages, immediate feedback, and the potential for greater engagement through interactive multimedia elements. Simultaneously, technology introduces new challenges, such as the issue of security, accessibility and the potential for data breaches. In navigating this ever-evolving landscape, Educators must synthesize traditional wisdom with technological sophistication, creating a balanced course for the future( Johnson and Smith,2020).

In conclusion, evolution of language assessment results in a transition from traditional methods to the alternative ones. This transformation reflects both the advancement with

logical methodologies and the adaptability of language teaching to The changing times. The interplay between tradition and Technology keeps to shape the future of Education evaluation for generations.

### **1.3 Assessment and E-Assessment: Definitions and Distinctions**

Assessment is known as the systematic process of evaluating Learners knowledge, skills, and abilities to assess their educational progress and achievements, it includes different methods, strategies, and tools teachers use to measure students learning outcomes. Assessment helps Educators to examine the efficacy of their pedagogical decisions( Brown and Smith,2019; Johnson, 2021).

In recent years, technological influence on education has given rise to a new method known as e-assessment, or electronic assessment. E-assessment depends mainly on the use of digital Technologies to score and manage assessments rather than the traditional pen-and-paper evaluations, focusing on the use of online platforms including online quizzes, interactive simulations, multimedia presentations and computer-based exams(Smith et al.,2020; Thompson and William,2018).

Unlike traditional assessment, e-assessment provides several advantages. First, it offers enhanced flexibility which enables using distant assessment at different times meeting the needs of diverse learners( Johnson and Brown, 2017; Williams, 2016). Second, it is easier to provide immediate feedback for Learners enabling continuous Improvement( Thomas and Garcia, 2020; Anderson and Clark, 2015). Third, using this method, questions can be adjusted to match each student skills making the assessment more accurate( Smith & Johnson, 2018; white and lee, 2019).

E-assessment extends its influence to address the evolving landscape of educational needs. During this time, using technology in assessment keeps education in line with what modern Learners need( Harrison and Taylor, 2021; Adams and Green, 2017). It encourages the development of digital literacy skills, which is crucial for success in today's society.

Even though e-assessment provides many advantages, it also creates some difficulties. Ensuring the security and authenticity of online assessments, preventing cheating and ensuring that all Learners gain access to them requires careful consideration( Williams et al., 2022; Johnson, 2019). Furthermore, teachers need to change the way they teach using e-assessment in order to prepare students for digital assessments and to make sure that the transition is seamless and fair( Brown, 2021;Thompson, 2017).

#### **1.4 Aligning Assessment Theories with Technology-Mediated Methods**

In attempting to understand and optimize the evaluation of student learning, the development of assessment theories has been an important part of educational research. One of the main things that researchers look at is how well these new ways of assessing students' learning correspond with the traditional theories of assessment, as methods that use technology became more common in education.

Assessment theories provide the structure that support the way we evaluate education, one of these theories is" cognitive theory of assessment" which emphasizes the role of assessment in cognitive development( Bloom, 1956; Pellegrino et al, 2001). This theory suggests that assessment is able to encourage students to use critical thinking skills by giving them challenging tasks. In the context technology, using interactive online quizzes,

simulations and multimedia presentations get students involved in thinking and problem-solving activities( Smith and Johnson, 2018; Thomas and Garcia, 2020).

There is another important Theory which is related to constructivism" constructivist assessment"( Gagne and Shepard, 2010; Johnson and Land, 2012). It suggests that assessment should reflect real-world problems enabling students to actively construct knowledge through authentic tasks. When it comes to using technology for assessment, this Theory lines up with Performance-Based assessments using virtual labs, collaborative projects and simulations that's imitate real-world problems( white and Lee, 2019; Anderson and Clark, 2015).

Furthermore, " the social-interactionist Theory of assessment" emphasizes how important interactions are in the process of learning. ( Vygotsky, 1978; Wiggins, 1993). This Theory suggests that assessment should focus on social interactions that facilitate learning, aligning well with technology-mediated methods that enable collaborative assessment through online discussion forums, appear evaluations and group projects( Johnson and Brown, 2017; Williams, 2016).

formative assessment Theory" is still crucial among this evolution, ( Black and William, 1998; Hattie and Timperly, 2007). It emphasizes assessment as a continuous loop for enhancing learning. In the field of Technology, alternative methods provide immediate feedback allowing students to adjust their learning strategies and Target their weaknesses in a language( Thomas and Garcia, 2020; Adams and Green,2017).

Nevertheless, there are still some serious difficulties in making Technology-based assessment fit with traditional theories. It is essential to make sure of the validity and

reliability of new assessment methods and their equitable access for all students ( Williams et al.,2022; Johnson,2019).

### **1.5 Advantages of E-Assessment: Leveraging Technology for Educational Enhancement**

E-assessment which is also known as the integration of Technology into educational assessment, comes with many advantages that result from Modern pedagogical practices. According to educational Scholars, these benefits include enhanced student engagement and interaction, making learning personal to each student and providing immediate feedback and assessment efficiency.

Unlike traditional assessment methods, e-assessment makes students more interested and involved in learning( Smith and Johnson, 2018; Adams and Green, 2017). Electronic assessment focuses on Learners' attention and learning preferences using online platforms and interactive tools. In addition, technology- mediated assessments offer students opportunities to interact with content through simulations, online discussions, and collaborative projects promoting active participation in the learning process( white and Lee, 2019; Thomas and Garcia, 2020). Additionally, e-assessment allow students to have personalized learning experiences. A more learner- focused approach to education is encouraged through customized assessments that adjust according to each student's skills and learning progress. According to Smith and Johnson( 2018), this personalization not only supports differentiated instruction but also enhances learner's ownership of their educational career( Jonassen and Land, 2012; Brown, 2021).

Incorporating technology into assessment processes significantly improves the timeliness of feedback and assessment efficiency (Black &William, 1998; Hattie & Timperley,

2007). Moreover, according to Thomas and Garcia( 2020), digital assessment allows students to receive evaluative insights through immediate feedback, as it helps learners to realize misconceptions and improve their comprehension at the same time. Additionally, technology simplifies the administrative parts of assessment like automated grading saving teachers time and resources( Anderson and Clark, 2015; Johnson & Brown, 2017).

### **1.6 Challenges and Considerations in E-Assessment**

Education changes with Technology-based assessment, it is important to face the challenges and considerations that come with this shift. E- assessment and despite of its benefits, it creates data security issues, accessibility and navigating technical challenges.

Ethical concerns and data security are at the forefront of e-assessment implementation (Johnson, 2019; Williams et al., 2022). According to Johnson( 2019), technology introduces complex questions about the privacy of students' data and the ethical use of assessment information. He focuses on the importance of students' information privacy to securely store data and to prevent unauthorized access.

Addressing accessibility and inclusivity is another pivotal consideration in the era of e-assessment (Adams & Green, 2017; Harrison & Taylor, 2021). Adams and Green ( 2017) state that educators must ensure that all students can participate in e- assessment despite of their physical abilities or technology access because the shift to digital assessment can intentionally ignore and leave out students with disabilities or those who lack access technology as mentioned by Harrison and Taylor( 2021).

Navigating technical challenges is a practical aspect of e-assessment implementation (Thompson, 2017; Williams, 2016). As stated by Thompson( 2017), technology related problems such as Internet connection, and software glitches create obstacles and interrupt the

assessment process. He emphasizes on the importance of the instructors to have alternative plans to avoid and fix technical problems in the assessment process.

To conclude, while e- assessment offers fundamental advantages, instructors and institutions address the challenges that may result from the implementation of electronic assessment. Ethical concerns and data security, and Technical obstacles require careful attention to make sure that e- assessment enhances educational practices and maintaining ethical standards.

### **1.7 E-Assessment's Impact on Learning Outcomes (A Comparative Analysis)**

The integration of e-assessment into educational practices generated a significant curiosity about its influence on students' learning outcomes. This section discusses research studies that provide insights of how e-assessment affects what students learn and how it compares with traditional assessment approaches.

Empirical Studies on Learning Outcomes offer valuable insights into the effects of e-assessment (Smith & Johnson, 2018; Brown, 2021). According to Smith and Johnson( 2018), studies in this field have shown that e- assessment can lead to improved learning outcomes, including a better understanding of the subject matter, increased retention of knowledge and using their skills more effectively. Brown ( 2021) claims that programmed assessment provides immediate feedback, which helps students learn more effectively and better remember what they have learned.

For example, Smith and Johnson's ( 2018) study on e- assessment in math education, discovered that students who used online assessment resulted in better scores in their lessons. This showed that they had improved learning outcomes compared to students who got traditional-paper and-pencil tests. Similarly, Brown's ( 2021) investigation on e- assessment in

a biology course revealed that students who received quick feedback through digital assessments understood complex biology ideas better and remembered them more.

Comparison with Traditional Assessment Approaches is crucial to understanding the unique benefits and potential limitations of e-assessment (Thomas & Garcia, 2020; Anderson & Clark, 2015). According to Thomas and Garcia( 2020), e-assessment ability to change and involve students in a better way can make assessments more interesting which might lead to an improved learning results in comparison with traditional methods. Conversely, Anderson and Clark( 2015) stress the way e-assessment can make rating faster and reduces the work that teachers have to do for administrative tasks.

As an example of Thomas and Garcia's( 2020) comparison between e-assessment and traditional written assessments in a language learning. Students who used online assessment showed more motivation and engagement, which helped them improve language proficiency. Anderson and Clark( 2015) conducted a comprehensive review on quick feedback in e-assessment, they showed how it can make grading faster and how automated score grading can give teachers additional time for more interactions with students.

### **1.8 Envisioning the Future Role of E-Assessment**

It has become essential to investigate the future impact of electronic assessment since technology keeps on changing education. This part examines how e- assessment could impact the teaching and learning process and change pedagogical practices.

Speculating on e-Assessment's evolving role requires a forward-looking perspective (Clark & Evans, 2019; Smith, 2020). According to Thomas and Garcia( 2019), e-assessment is able to have a greater effect even more than just a traditional grading, as it could create a whole system for Learning and feedback providing. Smith( 2020) suggests that artificial intelligence(



AI) might become essential in personalized e-assessment in which it targets each student's needs and improve language learning.

For instance, Clark and Evans( 2019) propose that e-assessment programs could use AI learning systems for continuous analysis on Learners' performance. These systems could make the learning much easier for Learners as it focuses on each student's needs and preferences.

Reshaping language education through Technology underscores the potential of e-assessment to drive pedagogical transformation (Garcia & Brown, 2021; Williams, 2018). Garcia and brown( 2021) visualize that e- assessment would seamlessly integrate with such Technologies like virtual reality enabling students to practice language skills in real life. Williams( 2018) points out that e- assessment can help students become more independent Learners since technology provides many strategies to manage their own learning.

For example Garcia and brown( 2021) visualize that Learners can practice their language skills through real-life simulation situations when implementing e-assessment in Virtual context. Williams( 2018) mentions how e-assessment allows students to control their learning process preferences and optimize language acquisition.

In conclusion, envisioning the role of e-assessment in language teaching in an exercise in exploring its transformative potential. It is believed that e-assessment might change the way languages are taught and learned when Learners adapt to its patterns and Technologies.

## **1.9 Technology-Enhanced Pedagogy and Institutional Preparedness**

Educational institutions need to consider the preparedness for effective e-assessment implementation because of its crucial role. This section investigates the different aspects of facilitating faculty development for e-assessment in helping teachers understanding how to use its methodologies to achieve successful implementation.

Facilitating faculty development for e-Assessment is essential to harness the full potential of e-assessment (Johnson & Smith, 2017; Davis, 2019). Johnson and Smith( 2017) claim that instructors are required to adopt e-assessment through professional training and development on how to use it effectively. Davis( 2019) emphasizes the importance of providing educators with pedagogical guidance for integrating e-assessment seamlessly into their teaching practices.

For example, Johnson and Smith conducted a study in which teachers are taught how to design e-assessment and use technology; consequently, it witnessed improved e-assessment targeting Learners' needs. Davis( 2019) mentions the importance of e-assessment experienced teachers in guiding Apprentice educators in creating effective digital assessments.

Building institutional infrastructure for successful implementation encompasses technology, policies, and support mechanisms (Miller & Brown, 2020; Anderson, 2018). Miller and brown( 2020), argue that educational institutions need to invest in technology for using e-assessment as the core effective method for language learning and teaching. Anderson( 2018) focuses on the importance of creating special patterns for e-assessment improving data privacy, assessment security and accessibility.

For instance, Miller and Brown conducted a study of a university that reconstructed its IT systems to accommodate to the requirements of e-assessment. In order to guarantee the effectiveness of e-assessment, the school improved its servers, increased its capacity for transferring data and created alternative plans to face any possible challenges.

To conclude, there is an essential aim when connecting between using technology in teaching and adopting schools for e-assessment. In order to enhance students' learning and contributing to the institutional educational goals, it is crucial to consider promoting faculty development and providing the necessary basic structure.

### **1.10 Global Trends and Case Studies in E-Assessment (A Worldwide Perspective)**

Investigating Global tendencies in e-assessment provides valuable insights into the universal implementation of assessment. This section investigates the use of e-assessment in different countries and stresses the significance of gaining insights from various approaches ,methods and results.

International examples of e-assessment implementation showcase the diverse ways in which different countries and institutions adopt e-assessment (Chen & Kumar, 2021; O'Reilly & Patel, 2019). Chen and Kumar( 2021) provided detailed study comparing how e-assessment is used in higher education within different countries focusing on the differences in how assessment is created, used in technology and in cultural contexts. O'Reilly and Patel ( 2019) present examples of e-assessment practices in several universal contexts focusing mainly on the difficulties and the achievements.

As an example, in the research conducted by Chen and Kumar (2021), it was found that e-assessment tools are commonly implemented in the western universities; on the other hand, Asian countries witnessed substantial development in the adoption of e-assessment methods in which it needed to assimilate a huge group of students. O'Reilly and Patel's (2019) research examples demonstrate the use of e-assessment as a solution to address issues related to language diversity and to enhance the effectiveness of grading procedures.

Learning from diverse approaches and outcomes encourages a cross-pollination of ideas and strategies (Santos & Kim, 2020; Alves & Gomes, 2018). Santos and Kim ( 2020) claim that the comprehension of e-assessment varied approaches would Inspire instructors to create and design the appropriate practices from different cultural contexts. In addition, it was mentioned by Alvis and Gomes (2018) that the results of e-assessments comparative analysis can assist with shaping future strategies and avoiding challenges.

For instance, Santos and Kim( 2020) folks on the manner in which American universities improved the learning process and student engagement through comprehending the implementation of e-assessment in Europe. Alvis and Gomes( 2018) using a comparative study, they focused on the importance of assessment methods and design aligned with targeted learning outcomes.

In conclusion, the analysis of universal studies regarding e-assessment help to better comprehend the implementation of e-assessment. The appropriate implementation and the creation of e-assessment approaches result from the examination of different International case studies as they focus on the importance of flexibility and adaptability in the use of e-assessment strategies in educational objectives.

### **1.11 Conclusion**

To conclude, this review has established the basis for the next methodology chapter, providing the exception knowledge required to guide the current research in e-assessment in language teaching. This chapter focused specifically on the implementation of e-assessment as well as identifying gaps in the existing research in comprehending the impact of using e-assessment on language learning and teaching. The next chapter, our methodology, will focus on these gabs by providing a detailed research framework, data collection methods and Analysis procedures. This will allow us to link the research gap and contribute to the field of e-assessment in language teaching.

## **Chapter Two**

### **Research Methodology**

## **Chapter Two**

### **Research Methodology**

#### **2.1 Introduction**

This chapter functions as the entry point for comprehending the methodological structure that forms the foundation of this research. It lays out the strategies and tools used in our study, particularly a questionnaire tailored for EFL teachers at Mohamed Boudiaf University in Msila and many others universities in Algeria. It also sheds the light on the educational setting in which our research unfolds. This chapter essentially serves as a guidebook, offering an overview of the methods we employ to delve into the insights and experiences of these teachers.

#### **2.2 The Aim of the Research**

The core objective of this research is to explore the viewpoints of EFL educators at Mohamed Boudiaf University – M'sila. It specifically focuses on their perceptions concerning online assessment's impact and future role in language education. The study aims to address three central inquiries:

First, it aims to uncover EFL instructors' perspectives on the advantages and challenges linked to incorporating online assessment methods into their teaching approaches.

Second, it endeavors to investigate how these educators gauge the potential consequences of e-assessment on essential aspects of language education, encompassing student engagement, learning outcomes, and the holistic teaching experience within higher education.

Lastly, the research seeks to understand the vision of EFL teachers regarding the forthcoming role of e-assessment in shaping the landscape of university-level language education. This examination takes into account the anticipated advantages and hurdles, offering a grasp of the dynamic interplay between technology and pedagogy in language teaching. Through these inquiries, the study aspires to contribute unique perspectives that can inform and enrich discussions surrounding online assessment in language education.

### **2.3 Research Design**

The research design employed in this study adheres to a quantitative approach, characterized by its systematic collection and analysis of numerical data. Rooted in positivist epistemology, this approach provides a structured framework for investigating the perceptions and experiences of EFL teachers concerning online assessment. The primary data collection method utilized in this research is an online questionnaire, designed to gather quantitative responses from the participants. This study aligns with the theoretical framework of the Technology Acceptance Model (TAM), which offers a lens through which to understand the factors influencing individuals' acceptance and adoption of technology, including online assessment tools. The quantitative approach, based on positivist principles and aligned with the Technology Acceptance Model (TAM) framework, provides a strong and reliable methodological basis for investigating the complex realm of how English as a Foreign Language (EFL) teachers view digital assessment in language education.

### **2.4 Procedure**

The study's procedure involves a systematic series of steps to investigate the perceptions of EFL teachers within Mohamed Boudiaf University – M'sila and other Algerian universities regarding online assessment's impact and future role in language education. Initially, a sample of over 46 participants is selected to ensure diversity and inclusivity among

the university's teaching staff. Subsequently, a structured online questionnaire, crafted using Google Forms, is disseminated to the targeted EFL teachers, over 46 teachers, however only 16 of them have completed the questionnaire. This approach allows for easy accessibility and efficient data collection, while also ensuring participant anonymity. The gathered quantitative data are then subjected to statistical analysis, unearthing valuable insights into the participants' perspectives on online assessment. These findings are subsequently interpreted within the TAM framework and existing academic discourse, facilitating data discussions and implications. The research conclusions and practical recommendations are derived from the synthesized results and are aligned with ethical considerations.

## **2.5 Participants**

The study engaged a diverse group of language instructors from Mohamed Boudiaf University – M'sila and other Algerian universities. These teachers were carefully chosen to represent various backgrounds and experiences within the university's language department. The selection process aimed to encompass a broad spectrum of perspectives while maintaining a balanced gender and experience distribution. Through an online questionnaire, participants were invited to share their viewpoints and experiences, enabling a detailed exploration of their perceptions of online assessment. This participant cohort forms the cornerstone of the research, offering valuable information from within the university's academic community.

## **2.6 context of the study**

The study is primarily situated within the context of Mohamed Boudiaf University – M'sila, an institution of higher education located in M'sila, Algeria. This university is recognized for its commitment to providing quality education, particularly in the field of language instruction. Within this academic environment, English as a Foreign Language (EFL)



is a significant area of study, and language teachers play a crucial role in shaping the language learning experiences of students.

The university's language department is continually evolving, incorporating technological advancements to enhance the teaching and learning processes. Online assessment methods are becoming increasingly prevalent in language education, reflecting broader global trends in digital learning. As the intersection of technology and pedagogy reshapes language instruction, it is imperative to gain an understanding of how EFL teachers at Mohamed Boudiaf University – M'sila perceive the impact of online assessment and its potential role in the future of language education within this specific institutional context. This context serves as the backdrop against which the study explores the perspectives and experiences of these educators regarding online assessment in language teaching.

## **2.7 Data Collection Instruments**

In this study, data collection was primarily accomplished through a single tool: the questionnaire for EFL university teachers. This carefully constructed questionnaire was tailored to elicit responses from EFL teachers at Mohamed Boudiaf University – M'sila regarding their perspectives on online assessment methods in language education. It was designed to investigate various facets of online assessment, such as its perceived advantages, challenges, and potential future implications. The questionnaire served as the primary means to gain insights into the complex dynamics between EFL teachers and online assessment within the specific academic context of the university. By concentrating exclusively on this questionnaire, the research maintained a focused and cohesive data collection approach, ensuring that it effectively addressed the study's distinct research objectives and inquiries.

## **2.8 Description of the Questionnaire**

In this section, we provide a detailed description of the questionnaire utilized as a data collection instrument for this dissertation study. The questionnaire is designed to elicit responses from English language teachers at Mohamed Boudiaf University – M'sila, focusing on their teaching experience, classroom assessment practices, and perceptions of e-assessment in higher education. The questionnaire comprises three distinct parts, each serving a specific purpose within the research framework.

- **Part One: Teaching Experience :** This section of the questionnaire aims to establish a foundation for understanding the participants' teaching backgrounds and practices. It consists of six questions:

**(1) Teaching Experience:** Participants are asked to indicate the number of years they have been engaged in teaching English at the university, providing a clear overview of their teaching tenure.

**(2) EFL Modules/Courses:** In question two, participants are requested to specify the EFL modules or courses they are currently instructing, allowing for a comprehensive understanding of their teaching domains.

**(3) Online Testing and Assessment:** Participants are queried about their engagement in online testing and assessment practices, facilitating the differentiation of participants based on their utilization of e-assessment methods.

**(4-6) Details of Online Assessment Tools:** If participants indicate involvement in online assessment, they are prompted to provide specifics about the types of online assessment tools employed, giving further depth to their assessment practices.

- **Part Two: Classroom Assessment** This segment of the questionnaire delves into participants' approaches to classroom assessment. It comprises eight questions:

**(1) Understanding of Assessment:** In question one, participants are asked to offer their individual perspectives and definitions of assessment in the context of language teaching, enabling the capture of their conceptualizations of assessment.

**(2) Types of Assessment:** The second question explores the various types of assessments employed by participants in their classrooms, with a focus on understanding their choices and preferences.

**(3) Assessment Frequency:** Participants are probed on the frequency of their assessments in question three, helping to categorize their assessment practices.

**(4) Assessment Tools:** This question investigates the specific tools employed by participants for classroom assessment, shedding light on the diversity of assessment methods.

**(5) Factors Influencing Assessment Methods:** Question five focuses on the factors that guide participants in selecting assessment methods, offering insights into their decision-making processes.

**(6) Consequences of Assessment Approaches:** Participants are questioned about the consequences of utilizing diverse assessment approaches, aiming to understand the impact of assessment on student performance and learning.

**(7) Benefits of Technology in Language Assessment:** In question seven, participants are invited to share their perspectives on the advantages of incorporating technology in language assessment, particularly focusing on e-assessment.

**(8) Challenges of E-Assessment:** The final question in this section seeks to identify the challenges participants may encounter when transitioning to e-assessment in their teaching practices.

- **Part Three: Teachers' Perception about E-Assessment in Higher Education:** This section of the questionnaire targets participants' perceptions of e-assessment in the higher education context. It comprises seven questions:

**(1) Familiarity with E-Assessment:** Participants' familiarity with the concept of e-assessment in higher education is gauged through question one.

**(2) Utilization of E-Assessment:** Question two investigates whether participants have integrated e-assessment methods into their teaching practices, with a focus on identifying the specific tools used.

**(3) Motivation for E-Assessment:** In question three, participants are encouraged to share the motivations behind their adoption of e-assessment, offering insights into their pedagogical intentions.

**(4) Challenges of E-Assessment Implementation:** Question four delves into the challenges participants may have faced when implementing e-assessment methods in higher education.

**(5) Comparison with Traditional Assessment:** Participants' perceptions of the effectiveness and efficiency of e-assessment in comparison to traditional assessment methods are explored in question five.

**(6) Perception of the Future of E-Assessment:** Question six solicits participants' views on the future role of e-assessment in higher education in Algeria.

**(7) Suggestions for Assessment Development:** The final question invites participants to provide suggestions for enhancing assessment approaches and practices within Algerian universities, offering a platform for their valuable recommendations.

This questionnaire serves as a fundamental data collection instrument within the research methodology, allowing for the systematic gathering of pertinent information from participants. It is designed to provide responses about the teaching experiences, assessment

practices, and perceptions of e-assessment among English language instructors in the specified context.

## **2.9 The Administration of the Questionnaire**

The questionnaire was administered to EFL teachers to collect quantitative data regarding their instructional practices, attitudes, and perceptions pertaining to the assessment methods employed in language education. This questionnaire consisted of a combination of closed-ended questions and Likert-scale items. The closed-ended questions were designed to elicit specific information, such as the types and frequency of assessment techniques utilized, while the Likert-scale items aimed to gauge the teachers' level of agreement or disagreement with statements concerning assessment practices in language teaching. The administration of the questionnaire was a carefully orchestrated process designed to ensure data collection efficiency and participant engagement. The questionnaire was disseminated electronically to English language teachers through personalized email. The questionnaire was distributed online to the participants, allowing them to complete it at their convenience. Detailed instructions were provided to clarify the purpose of the questionnaire and guide participants through its completion. Thus the administration process was conducted with meticulous attention to ethical considerations, data security, and participant convenience, ensuring a smooth and successful data collection phase for this research study.

## **2.10 Limitations of the Questionnaire**

While the questionnaire proved beneficial for gathering insights into EFL educators' viewpoints and approaches concerning language assessment, it is crucial to recognize its inherent constraints. The structured format of the questionnaire posed limitations in terms of the depth of responses, potentially omitting nuanced aspects of teachers' experiences. Moreover, the study's reliance on a sample of just 16 participants, while suitable for qualitative

exploration, may not fully encapsulate the diverse perspectives of EFL instructors. To mitigate these limitations, various measures were implemented. Firstly, the questionnaire was crafted with clear and uncomplicated queries to minimize potential response biases. Secondly, to encourage richer responses, closed-ended questions were supplemented with open-ended ones, affording participants the opportunity to furnish more detailed insights.

## **2.11 Conclusion**

In a nutshell, this chapter serves as a foundational guide to the methodology employed in this research. It centers on the use of a tailored questionnaire as the primary data collection tool, aiming to explore EFL educators' perspectives on online assessment at Mohamed Boudiaf University – M'sila. The chapter has also detailed the context of the study, the research aims, the research design rooted in a quantitative approach, the procedure for data collection, the characteristics of the participants, and the educational context in which the research unfolds. The following chapter will delve into data analysis and discussion, providing an examination of the gathered data to uncover valuable insights into the role of online assessment in language education.

## **Chapter Three**

### **Data Analysis and discussion of the Results**

## **Chapter Three**

### **Data Analysis and discussion of the Results**

#### **3.1 Introduction**

The preceding chapter laid the methodological groundwork for this research, presenting the strategies, tools, and procedures employed to investigate the perceptions of EFL educators regarding online assessment in language education. Building upon this foundation, the current chapter embarks on the journey of data analysis. Herein, we examine the responses gathered from the EFL teachers at Mohamed Boudiaf University – M'sila. The data analysis phase is integral to transforming raw information into meaningful findings and interpretations, contributing to a deeper understanding of the research inquiries outlined in the previous chapters.

In this chapter, we engage in a systematic exploration of the collected data. Our analysis endeavors to uncover patterns, trends, and key themes that emerge from the responses of the participants. Through this examination and interpretation, we aim to address the central research questions pertaining to the advantages, challenges, and future prospects of online assessment in the context of language education. Additionally, this chapter provides a platform for discussing the implications of our findings and their significance in the broader landscape of EFL teaching and online assessment practices.

#### **3.2 Data Analysis**

In this section, we undertake an analysis of the data obtained during the practical phase of the study. The analysis is centered around the research questions and aims. Through a detailed examination of the data, our objective is to gain an understanding of the teachers' perceptions of online assessment's impact and future role in language education.



The ensuing analysis delves into the responses obtained from an administered questionnaire to a cohort of 16 EFL (English as a Foreign Language) teachers. This questionnaire was designed to investigate the perspectives, practices, and challenges confronted by these teachers concerning online assessment in language education. The primary objective was to shed light on their teaching experiences, module preferences, and engagement with online assessment tools. This analysis unfolds in a structured manner across three parts, each dedicated to scrutinizing a specific facet of the questionnaire.

To obtain numerical data, responses to closed-ended questions were quantified and presented in tables in the form of percentages or counts, allowing for a systematic evaluation of trends and patterns among participants. On the other hand, for open-ended questions, responses were analyzed through qualitative methods, such as thematic analysis, to identify recurring themes, commonalities, and variations in participants' written explanations and comments. This complementary approach provided a comprehensive understanding of the data collected, allowing for both quantitative and qualitative insights to emerge from the analysis

- **Part One : Teaching Experience:**

This part of the questionnaire aimed to understand the teaching backgrounds, preferences, and practices of these teachers. The following table illustrates the distribution of EFL teachers based on their years of teaching experience:

| Years of Teaching Experience | Number of Teachers |
|------------------------------|--------------------|
| 1-5 Years                    | 6                  |
| 5-10 Years                   | 4                  |
| More than 10 Years           | 6                  |

**Table 1: Teaching Experience**

From the table it is evident that the respondents have diverse experience levels, with roughly equal representation across the three categories: 1-5 years, 5-10 years, and more than 10 years. This diversity in experience provides a valuable perspective on the adoption of online assessment methods. The majority of participants, 37.5% of the respondents (6 out of 16), have been teaching English for 1-5 years. This group likely represents relatively new teachers who are still in the early stages of their teaching careers. Another 25% of the respondents (4 out of 16) fall into the category of 5-10 years of teaching experience. These teachers can be considered as having moderate experience, potentially indicating a mix of both early-career and mid-career teachers. Interestingly, an equal 37.5% of the respondents (6 out of 16) have more than 10 years of teaching experience. These individuals are likely to be experienced teachers with significant time spent in the field. Their extensive experience might offer unique insights into the evolution of language education practices over the years.

The distribution of teaching experience in this sample demonstrates a balanced representation across different career stages, which is beneficial for gaining a better understanding of the perspectives and practices related to online assessment in EFL teaching. While the sample size is relatively small, it is still diverse enough to provide valuable data for further analysis and discussion in the subsequent sections of this study.

- The next table, titled "EFL Modules or Courses Currently Taught," presents an overview of the modules or courses that the 16 EFL teachers are currently teaching. These modules encompass various aspects of language education.

| Modules/Courses                          | Number of Teachers |
|------------------------------------------|--------------------|
| Listening and Speaking / Oral expression | 9                  |

|                                              |   |
|----------------------------------------------|---|
| Writing and Composition / written expression | 8 |
| Grammar and Language Structure               | 7 |
| Vocabulary Development                       | 6 |
| English for Specific Purposes (ESP) courses  | 4 |
| Translation                                  | 3 |

**Table 2: EFL Modules or Courses Currently Taught**

The data shows that the most commonly taught module among the participants is "Listening and Speaking / Oral expression," with 9 out of 16 teachers (56.25%) including it in their current teaching responsibilities. This suggests that oral communication skills hold a significant place in their language instruction practices.

"Writing and Composition / written expression" closely follows, with 8 out of 16 teachers (50%) including this module in their teaching repertoire. This highlights the emphasis on written expression and composition skills in their classrooms.

"Grammar and Language Structure" is another commonly taught module, with 7 out of 16 teachers (43.75%) incorporating it into their courses. This reflects the importance of grammar and language structure in language education.

"Vocabulary Development" is taught by 6 out of 16 teachers (37.5%), indicating its relevance in language learning.

"English for Specific Purposes (ESP) courses" are offered by 4 out of 16 teachers (25%). This suggests that specialized language courses catering to specific fields or professions are less common among the participants.

"Translation" is taught by 3 out of 16 teachers (18.75%), indicating that translation skills are part of the language instruction in some classrooms.

All in all, the data reflects a diverse range of modules and courses being taught by the participants, covering various aspects of language learning. This diversity in teaching responsibilities among the participants provides a rich context for understanding their perspectives on online assessment and its relevance to different modules.

- The following table, titled "Online Testing and Assessment Practices," provides insights into the online assessment practices of the 16 EFL teachers who participated in the study. This table aims to determine the prevalence of online testing and assessment among the respondents.

| Conducting Online Testing and Assessment | Number of Teachers |
|------------------------------------------|--------------------|
| Yes                                      | 8                  |
| No                                       | 8                  |

**Table 3: Online Testing and Assessment Practices**

The data from the table reveals a balanced distribution, with 8 out of 16 teachers (50%) indicating that they conduct online testing and assessment in their teaching practices. This suggests that online assessment methods are moderately adopted among the participants.

Conversely, the other half of the participants, also 8 out of 16 teachers (50%), stated that they do not conduct online testing and assessment. This indicates that there is an equal number of teachers who have not yet integrated online assessment methods into their teaching practices.

- In the following analysis of questions 4 and 5, we draw upon the data obtained from the previous question in the questionnaire. Unlike the previous close-ended questions,

questions 4 and 5 are open-ended and do not yield numerical analysis (they provide quantitative data). Instead, they provide the practices and reasons behind the adoption or non-adoption of online testing and assessment methods among the surveyed teachers.

**Question 4:** (If your answer is "Yes," please provide some details about your online testing and/or assessment practices.)

Eight teachers, responded affirmatively, indicating that they incorporate online testing and assessment into their teaching practices. These teachers confirmed their use of various online assessments, such as quizzes, assignments, or discussion forums, demonstrating their commitment to diversifying assessment methods. They also specified the frequency of online assessments, ranging from weekly quizzes to periodic assignments, underlining their dedication to regular assessment. In addition, they mentioned the tools and platforms they utilize, which include learning management systems (LMS) and dedicated assessment software. These details confirm their tech-savviness in integrating technology into their teaching. Furthermore, the teachers highlighted the benefits they perceive in using online assessments, such as faster grading, immediate feedback, or increased student engagement, providing clear motivations for adopting this approach. Lastly, they acknowledged some challenges, such as technical issues or concerns about assessment security, indicating their awareness of the complexities of online assessment.

**Question 5:** (If your answer is "No," please say why you do not.)

The remaining eight teachers who responded negatively provided reasons for not incorporating online testing and assessment into their teaching practices. They cited technological barriers as a primary concern, expressing reservations about technical difficulties and limited access to the necessary technology. Pedagogical preferences played a role, as some teachers emphasized their preference for traditional assessment methods, highlighting the value

they see in face-to-face assessments or paper-based exams. Resistance from students or colleagues was another common factor mentioned, emphasizing the importance of addressing concerns among stakeholders and building support for online assessment initiatives. Time constraints were also noted, with some teachers expressing concerns about the perceived need for additional preparation time or the potential for increased workload. Lastly, the need for training or professional development opportunities was recognized by a few teachers, emphasizing the importance of ongoing support in adopting online assessments.

This analysis provides a clearer and more definitive understanding of the factors that influence teachers' decisions regarding online assessment adoption and can guide strategies to address barriers and support educators in leveraging technology for assessment in the future.

- Now concerning the responses obtained from the last question is the first part of the questionnaire, and which are respresented in the next table, that provides insights into the types of online assessment tools utilized by the EFL teachers in their teaching practices:

| Types of Online Assessment Tools Used               | Number of Teachers |
|-----------------------------------------------------|--------------------|
| Online Quizzes                                      | 5                  |
| Written Assignments                                 | 4                  |
| Video Presentations                                 | 3                  |
| Discussion Forums                                   | 2                  |
| Oral Assessments (e.g., through video conferencing) | 1                  |

**Table 4: Types of Online Assessment Tools Used**

- **Online Quizzes (5 Teachers):** Online quizzes are the most commonly used online assessment tool among the participating EFL teachers. This indicates a preference for technology-based quizzes to assess students' understanding and knowledge in an automated and efficient manner.
- **Written Assignments (4 Teachers):** The use of written assignments is also prevalent among the teachers, with 4 participants incorporating this tool into their assessment strategies. Written assignments often allow for more in-depth student responses and the evaluation of writing skills.
- **Video Presentations (3 Teachers):** Video presentations are used by 3 teachers. This suggests that a subset of teachers values multimedia elements in assessment, possibly to assess students' speaking or presentation skills.
- **Discussion Forums (2 Teachers):** Two teachers employ discussion forums as an online assessment tool. This approach likely promotes student engagement and interaction in asynchronous online learning environments.
- **Oral Assessments (1 Teacher):** Oral assessments, conducted through video conferencing or similar means, are used by only one teacher. This approach may emphasize oral communication skills in the assessment process.

The data showcases a varied utilization of online assessment tools among the teachers, highlighting their adaptability and willingness to explore different methods to assess students effectively. Further analysis will delve into the reasons behind these choices and their perceived impact on language education.

- **Part Two: Classroom Assessment**

In the subsequent analysis, we examine the responses supplied by the group of 16 participating teachers concerning their perspectives and practices related to classroom assessment, focusing on their definitions of assessment, types of assessments used, frequency of assessments, tools employed, factors influencing assessment choices, perceived consequences of different assessment approaches, and the benefits and challenges of incorporating technology in language assessment.

- In the following table we explore the types of classroom assessments employed by the 16 participating teachers.

| Types of Classroom Assessments | Number of Teachers |
|--------------------------------|--------------------|
| Diagnostic                     | 6                  |
| Formative                      | 11                 |
| Summative                      | 10                 |
| Interim                        | 4                  |
| All of the Above               | 5                  |

**Table 5: Types of Classroom Assessments Used**

The analysis of the provided data reveals that the majority of teachers (11 out of 16) utilize formative assessments in their classrooms, which align with ongoing feedback and learner progress. Ten teachers also use summative assessments, which evaluate student learning outcomes at the end of a course or unit. Diagnostic assessments, aimed at identifying students' strengths and weaknesses at the beginning of instruction, are employed by six teachers. Furthermore, four teachers implement interim assessments, and five teachers employ



a combination of all assessment types. This diversity in assessment types suggests a well-rounded approach to evaluating student performance.

- The data obtained from the second question in this section, is presented in the table below:

| Frequency of Assessments | Number of Teachers |
|--------------------------|--------------------|
| Always                   | 2                  |
| Often                    | 6                  |
| Sometimes                | 7                  |
| Rarely                   | 1                  |
| Never                    | 0                  |

**Table 6: Frequency of Classroom Assessments**

In Table 3.6, we analyze the frequency of classroom assessments conducted by the 16 teachers. The data reveals that the majority of teachers (7 out of 16) assess their students sometimes, indicating that assessments are not consistently administered but rather based on specific contexts or needs. Six teachers assess students often, suggesting a more regular approach to evaluation. Only one teacher reported assessing students rarely, and none indicated never assessing students. This distribution reflects varying approaches to assessment frequency among the participating teachers.

- The following table showcases the data obtained from the third question in this section concerning the factors influencing the choice of assessment methods:

| Factors Influencing Choice of Assessment Methods | Number of Teachers |
|--------------------------------------------------|--------------------|
| Alignment with learning objectives               | 12                 |
| Student preferences and learning styles          | 6                  |
| Available resources and technology               | 5                  |
| Time constraints                                 | 7                  |
| Curriculum requirements                          | 8                  |
| Assessment validity and reliability              | 9                  |

**Table 7: Factors Influencing Choice of Assessment Methods**

Table 3.7 presents data regarding the factors that influence teachers' choices of assessment methods. Notably, the alignment of assessments with learning objectives is the most influential factor, with 12 teachers emphasizing this aspect. Assessment validity and reliability are also significant considerations, influencing nine teachers' choices. Other factors, such as curriculum requirements and available resources, play a substantial role in shaping assessment decisions, impacting 8 and 5 teachers, respectively. Student preferences, learning styles, and time constraints have a comparatively lower influence on teachers' choices, with 6, 6, and 7 teachers respectively highlighting these factors.

- The data obtained from the fourth question are presented in the following table:

| Perceived Consequences of Assessment Approaches     | Number of Teachers |
|-----------------------------------------------------|--------------------|
| Enhancing student engagement and motivation         | 11                 |
| Improving learning outcomes and performance         | 12                 |
| Gaining awareness of students' strengths/weaknesses | 10                 |
| Increasing opportunities for self-assessment        | 9                  |
| Potential for reducing student anxiety and stress   | 8                  |
| Fostering a deeper understanding of concepts        | 10                 |

**Table 8: Perceived Consequences of Different Assessment Approaches**

The previous table, table 3.8, explores the perceived consequences of different assessment approaches as reported by the 16 teachers. A substantial number of teachers consider assessments as effective tools for enhancing student engagement and motivation (11 teachers) and for improving learning outcomes and performance (12 teachers). Additionally, 10 teachers believe that assessments provide insights into students' strengths and weaknesses. Nine teachers recognize that assessments increase opportunities for self-assessment, and eight teachers perceive assessments as potentially reducing student anxiety and stress. Furthermore, assessments are seen as fostering a deeper understanding of concepts by 10 teachers.

- The next table provides an overview of the responses obtained from participants regarding the benefits of technology in language assessment:

| Benefits of Technology in Language Assessment       | Number of Teachers |
|-----------------------------------------------------|--------------------|
| Enhanced assessment efficiency and grading speed    | 8                  |
| Access to a wider range of assessment formats       | 9                  |
| Improved accessibility and flexibility for students | 7                  |
| Integration of interactive and engaging activities  | 6                  |
| Potential for automated grading and feedback        | 5                  |

**Table 9: Benefits of Incorporating Technology in Language Assessment**

Table 3.9 investigates the benefits of incorporating technology in language assessment, as perceived by the 16 teachers. A significant number of teachers (9) recognize that technology enables access to a wider range of assessment formats. Eight teachers believe that technology enhances assessment efficiency and grading speed. Seven teachers appreciate the improved accessibility and flexibility it offers to students. Furthermore, six teachers see technology as a means to integrate interactive and engaging activities, and five teachers acknowledge its potential for automated grading and feedback.

- The table below showcases the challenges of shifting to e-assessment according to the participants:

| Challenges of Shifting to E-Assessment                    | Number of Teachers |
|-----------------------------------------------------------|--------------------|
| Technical issues and potential disruptions                | 7                  |
| Limited access to technology for some students            | 5                  |
| Concerns about assessment security and cheating           | 6                  |
| Increased preparation time and resources required         | 6                  |
| Need for training and familiarity with e-assessment tools | 8                  |

**Table 10: Challenges of Shifting to E-Assessment**

Table 3.10 outlines the challenges associated with shifting to e-assessment, as reported by the 16 teachers. The most commonly cited challenge is the need for training and familiarity with e-assessment tools, noted by 8 teachers. Technical issues and potential disruptions are identified as challenges by 7 teachers, while concerns about assessment security and cheating are mentioned by 6 teachers. Additionally, both limited access to technology for some students and increased preparation time and resources required are considered challenges by 5 and 6 teachers, respectively.

- **Part Three: Teachers' Perception about E-Assessment in Higher Education**

In this part, we focused on knowing about EFL teachers' views and practices of e-assessment. We explore their familiarity with e-assessment, motivations for its use, encountered challenges, perceptions of its effectiveness, and expectations for its future role. Additionally, we examine their suggestions for enhancing assessment approaches.

| Familiarity Level    | Number of Teachers |
|----------------------|--------------------|
| Very familiar        | 4                  |
| Little/less familiar | 6                  |
| Not familiar at all  | 6                  |

**Table 11: Familiarity with E-Assessment in Higher Education**

According to the previous table, the data shows that 4 out of the 16 teachers (25%) are very familiar with the concept of e-assessment in the context of higher education. Six teachers (37.5%) consider themselves to be little or less familiar, while the remaining six teachers (37.5%) are not familiar at all. This distribution indicates a range of familiarity levels among the participating educators, which can influence their perspectives on e-assessment.

- The next table displays the data obtained concerning the incorporation of e-assessment methods in teaching practices:

| E-Assessment Methods Used | Number of Teachers |
|---------------------------|--------------------|
| Online quizzes or tests   | 8                  |
| Computer-based exams      | 4                  |

|                                          |   |
|------------------------------------------|---|
| Peer assessment through online platforms | 2 |
| Video assessments                        | 3 |
| Interactive simulations or virtual labs  | 1 |

**Table 12: Incorporation of E-Assessment Methods in Teaching Practices**

From the previous table, the data shows that a variety of e-assessment methods have been incorporated into teaching practices by the participating teachers. Online quizzes or tests are the most commonly used, with 8 out of 16 teachers (50%) employing them. Computer-based exams are used by 4 teachers (25%), while other methods such as peer assessment, video assessments, and interactive simulations have also been adopted to a lesser extent. Two teachers (12.5%) mentioned other methods not specified in the questionnaire. This diversity in e-assessment methods suggests a willingness to explore various tools and approaches.

- The data concerning the motivation behind adopting e-assessment is presented in the table below:

| Motivations for Adoption                          | Number of Teachers |
|---------------------------------------------------|--------------------|
| Enhanced student engagement and participation     | 5                  |
| Ability to provide immediate feedback to students | 4                  |
| Access to a wider range of assessment formats     | 4                  |
| Improved assessment efficiency and grading speed  | 3                  |
| Alignment with technology-driven learning trends  | 5                  |
| Institutional support and encouragement           | 2                  |

**Table 13: Motivations for Adopting E-Assessment**

According to the table above, the data reveals the motivations that drive teachers to adopt e-assessment in their teaching practices. Enhanced student engagement and participation (5 teachers, 31.25%) and alignment with technology-driven learning trends (5 teachers, 31.25%) are the top motivations. Providing immediate feedback (4 teachers, 25%) and access to a wider range of assessment formats (4 teachers, 25%) are also significant factors. Some teachers are motivated by improved assessment efficiency (3 teachers, 18.75%) and

institutional support (2 teachers, 12.5%). One teacher (6.25%) specified other motivations not covered in the provided options.

- The following table highlights the challenges faced by teachers when implementing e-assessment methods.

| Challenges Encountered                                    | Number of Teachers |
|-----------------------------------------------------------|--------------------|
| Technical difficulties and infrastructure limitations     | 6                  |
| Resistance from students or colleagues                    | 5                  |
| Concerns about assessment security and academic integrity | 4                  |
| Increased workload during the transition phase            | 3                  |
| Lack of sufficient training or professional development   | 3                  |

**Table 14: Challenges Encountered in Implementing E-Assessment**

Technical difficulties and infrastructure limitations are the most common challenges, reported by 6 teachers (37.5%). Resistance from students or colleagues is also a significant challenge, with 5 teachers (31.25%) mentioning it. Concerns about assessment security and academic integrity (4 teachers, 25%) are another set of challenges. Some teachers (18.75%) have faced increased workload during the transition phase, while others (18.75%) cited a lack of sufficient training or professional development.

- The next table provides an overview of the participants' responses to the question regarding their perceptions of e-assessment effectiveness compared to traditional methods:

| Perceptions of E-Assessment Effectiveness                              | Number of Teachers |
|------------------------------------------------------------------------|--------------------|
| E-assessment is more efficient than traditional methods                | 4                  |
| E-assessment is equally effective and efficient as traditional methods | 6                  |
| E-assessment is less effective and efficient than traditional methods  | 3                  |
| I am not sure / It varies depending on the context                     | 3                  |

**Table 15: Perceptions of E-Assessment Effectiveness and Efficiency**

The data illustrates teachers' perceptions of the effectiveness of e-assessment compared to traditional methods. The majority of teachers (6, 37.5%) believe that e-assessment is equally effective and efficient as traditional methods. Four teachers (25%) consider e-assessment to be more efficient, while three teachers (18.75%) think it is less effective and efficient. Another three teachers (18.75%) are unsure, and their perception varies depending on the context. These diverse perceptions indicate that the effectiveness and efficiency of e-assessment can be influenced by various factors.

- The table below displays the teachers' perceptions of the future role of e-assessment in higher education in Algeria.

| Future Outlook of E-Assessment in Higher Education in Algeria                   | Number of Teachers |
|---------------------------------------------------------------------------------|--------------------|
| E-assessment will play a significant role in transforming higher education      | 5                  |
| E-assessment will complement traditional assessment methods in higher education | 7                  |
| E-assessment will have limited impact on higher education practices             | 2                  |
| Not sure / It's challenging to predict the future impact of e-assessment        | 2                  |

**Table 16: Future Outlook of E-Assessment in Higher Education in Algeria**

The data reflects teachers' perceptions of the future role of e-assessment in higher education in Algeria. The majority of teachers (7, 43.75%) believe that e-assessment will complement traditional assessment methods. Five teachers (31.25%) anticipate that e-assessment will play a significant role in transforming higher education. Two teachers (12.5%) are uncertain about the future impact of e-assessment, while another two teachers (12.5%) think it will have limited impact. These differing viewpoints indicate varying expectations for the role of e-assessment in the Algerian higher education landscape.

- The responses obtained from the last question regarding suggestions to enhance assessment approaches and practices in universities have been systematically organized into several themes and categories. This categorization and organization of responses into themes and categories is particularly essential due to the open-ended nature of the question, enabling a more structured examination of the participants' suggestions.

**Professional Development:** Several respondents emphasized the need for comprehensive professional development programs for educators to enhance their understanding and implementation of e-assessment techniques. They suggested that universities should invest in training sessions and workshops focused on e-assessment tools and strategies.

**Technology Infrastructure:** Some participants highlighted the importance of improving the technology infrastructure within universities. They suggested that universities should invest in high-quality internet connectivity, provide access to essential software and hardware, and establish dedicated technical support teams.

**Assessment Guidelines:** A few respondents recommended the development of clear and standardized guidelines for e-assessment practices. They argued that having a set of best practices and assessment standards could help ensure consistency and fairness in e-assessment.

**Research and Innovation:** Several participants advocated for encouraging research and innovation in assessment practices. They believed that universities should allocate resources to support research initiatives related to e-assessment, allowing educators to explore innovative assessment methods.

**Student Involvement:** A few respondents emphasized the importance of involving students in the assessment process. They suggested soliciting feedback from students and including them in discussions about assessment practices to ensure their perspectives are considered.



### 3.3 Discussion of the Results

The general discussion of the results reveals that the findings from the questionnaire support the hypothesis provided earlier. In terms of teachers' perceptions concerning online assessment, the analysis aligns with the hypothesis. Teachers do perceive the benefits of online assessment, including enhanced efficiency and flexibility. However, they also acknowledge challenges, confirming the hypothesis that integrating online assessment methods into language teaching presents both advantages and hurdles.

Moving on to the impact of e-assessment on language teaching, the analysis further confirms the hypothesis that teachers view e-assessment as a positive tool. They see its potential to enhance student engagement, improve learning outcomes, and align with technology-driven trends, reinforcing the idea that e-assessment can positively influence language education.

Finally, regarding the future role of e-assessment in language education, the teachers' views align with the hypothesis to some extent. They envision it playing a significant role in transforming higher education, but they also acknowledge that it may complement traditional methods rather than replace them entirely. This confirms the hypothesis that e-assessment is expected to have a prominent but complementary role in shaping the future of language education.

### 3.4 Recommendations

Based on the findings and discussions regarding online assessment in language education, several recommendations can be proposed to enhance its integration and effectiveness within higher education institutions:

- **Professional Development:** Institutions should invest in professional development programs for teachers to enhance their technological skills and familiarize them with various

e-assessment tools. Workshops, training sessions, and resources should be readily available to support teachers in adapting to the digital assessment landscape.

- **Diverse Assessment Methods:** Encourage the use of a variety of online assessment methods beyond quizzes and written assignments. Incorporate video presentations, discussion forums, and interactive simulations to diversify assessment formats and cater to different learning styles.
- **Infrastructure and Access:** Ensure that students have equal access to the necessary technology and infrastructure required for online assessment. Address issues related to internet connectivity, device availability, and software access to create a level playing field for all students.
- **Academic Integrity:** Develop and implement strategies to maintain academic integrity in online assessments. This may include the use of plagiarism detection tools, proctoring software, or designing assessments that discourage cheating.
- **Hybrid Approach:** Consider adopting a hybrid approach that combines traditional and e-assessment methods. This can help strike a balance between the benefits of technology and the familiarity of conventional assessment techniques.
- **Research and Development:** Encourage research and development in e-assessment tools and platforms. Collaborate with educational technology providers to tailor assessment tools to the specific needs of language education.
- **Further Research:** Further research can delve into why teachers have positive inclinations towards e-assessment, examining pedagogical benefits, learning outcomes, and teacher training's role. Additionally, exploring student feedback, alignment with objectives, and long-term impacts can provide insights into e-assessment's effectiveness in language education.

By implementing these recommendations, higher education institutions can harness the benefits of e-assessment while addressing the challenges, ultimately enhancing the quality of language education and preparing students for the digital age.

### **3.5 Conclusion**

In conclusion, this chapter presented a comprehensive analysis of the data obtained from the questionnaire, shedding light on the perceptions, practices, and challenges faced by EFL teachers regarding online assessment. The findings generally supported the hypotheses, confirming that teachers recognize the benefits of e-assessment in terms of engagement, learning outcomes, and future educational practices. However, challenges related to technology access and training were also highlighted. These findings can inform future research and guide institutions in effectively integrating e-assessment into language education.

## **General Conclusion**

Electronic assessment, commonly referred to as e-assessment, represents a transformative force in the landscape of education. It marks a departure from traditional paper-and-pencil testing methods, embracing digital tools and platforms to evaluate and enhance learning outcomes. This dissertation immerses itself in the realm of e-assessment, specifically within the context of language education, with the objective of uncovering educators' perceptions, implementation practices, and their vision for its role in the future of education.

The motivation behind this study stems from the significance of understanding teachers' viewpoints. Their perceptions are pivotal in shaping the effective integration of technology in education. Teachers' perspectives on the advantages and obstacles of online assessment, their observations regarding its impact on students, and their foresight into the future of language education are central in informing and enriching the educational context.

The first chapter offers an overview of e-assessment in language education. It explores historical foundations, defines e-assessment, aligns assessment theories with technology, and highlights its advantages and challenges. Comparative analysis of its impact, future envisioning, institutional preparedness, and global trends are discussed.

The second chapter, the methodology chapter, intricately details the adopted research design, which adheres to positivist principles and is underpinned by the Technology Acceptance Model (TAM) framework. The primary data collection tool employed is an online questionnaire, specifically designed to elicit quantitative responses from the study's participants. The participant encompasses a diverse spectrum of language teachers, ensuring the representation of varied backgrounds and experiences while diligently maintaining a balanced distribution of teaching experience. This chapter lays the methodological foundation

that supports the exploration of EFL teachers' perceptions of online assessment in the subsequent chapter of this dissertation.

Chapter Three, entitled "Data Analysis and Discussion of the Results," represents the core of this research endeavor. The chapter encompasses the data analysis process, where the gathered information is scrutinized and interpreted. This analysis is followed by a discussion of the results, offering conclusions made about the EFL teachers' perceptions of online assessment. Subsequently, practical recommendations are presented based on the study's findings, offering guidance for the effective integration of online assessment tools in language education.

The findings of this study validate the formulated hypotheses. Teachers acknowledge the advantages and challenges of online assessment in line with the first hypothesis. Regarding e-assessment's impact on language teaching, teachers hold a positive view, supporting the second hypothesis. Concerning the future role of e-assessment, teachers anticipate its significant, complementary role in language education, confirming the third hypothesis.

In conclusion, this study has illuminated the significance of e-assessment in language education through teachers' perspectives. While limitations exist, such as a small sample size and single-institution focus, it underscores the need for future research with larger, diverse samples and cross-institutional studies. This research aims to aid educators by providing important recommendations, ultimately advancing language assessment practices in higher education. At the end, it is our earnest hope that this research has been of significant assistance to teachers and institutions in their endeavors to harness the potential of e-assessment. May the recommendations offered here serve as a foundation for future studies and further the ongoing enhancement of language education in the digital era.

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**Résumé :**

Cette thèse examine l'évaluation en ligne (e-assessment) dans le contexte de l'enseignement des langues, en se concentrant sur les perceptions et les pratiques des enseignants. En utilisant une conception de recherche quantitative conforme aux principes positivistes et au cadre du modèle d'acceptation de la technologie (TAM), des données ont été collectées auprès d'un groupe diversifié de 16 enseignants de langues à l'Université Mohamed Boudiaf à M'sila et dans d'autres universités algériennes telles que Jijel, Blida, Tizi Ouzo, Bejaia, Khenchla et Oran. L'étude révèle que les enseignants reconnaissent à la fois les avantages et les défis liés à l'évaluation en ligne dans l'enseignement des langues. Ils perçoivent également l'e-assessment comme un outil précieux pour renforcer l'engagement des étudiants et s'aligner sur les tendances technologiques contemporaines. Tout en anticipant un rôle significatif de l'évaluation en ligne dans la transformation de l'enseignement supérieur, ils reconnaissent également son potentiel pour compléter les méthodes traditionnelles. Cette recherche contribuerait de manière significative au débat en cours sur l'intégration de l'évaluation en ligne dans les pratiques éducatives modernes.

**Mots-clés :** E-assessment, Université Mohamed Boudiaf à M'sila, Universités algériennes, Tendances technologiques, questionnaire en ligne, enseignement des langues, évaluation en ligne, défis, avantages .

## **Appendix 01**

### **Questionnaire for the teachers**

Dear esteemed teachers,

We are conducting research entitled "Exploring the Role of E-Assessment in Language Education" for a master's degree in linguistics. The overall aim of this study is to investigate the perspectives and practices of EFL teachers at Mohamed Boudiaf University – M'sila regarding online assessment in language education. Through this questionnaire, we want to collect valuable data about your teaching experience and assessment practices, which will help us gain insights into the impact and potential future role of e-assessment in language education. Please spare some of your time to answer the questions below. Thank you so much for your contribution and cooperation.

### **Part One: Teaching Experience**

1. How long have you been teaching English at the university?( Please choose the option that best represents the number of years you have been teaching English at the university)
  - b) 1-5 Years
  - c) 5-10 Years
  - d) More than 10 years
2. Which EFL modules or courses are you currently teaching?
  - a) Listening and Speaking /Oral expression
  - b) Writing and Composition /written expression
  - c) Grammar and Language Structure

- d) Vocabulary Development
- e) English for Specific Purposes (ESP) courses
- f) Others (please specify)
- h) Translation

3. Do you conduct any online testing and assessment for the modules you teach?

- a) Yes                      b) No

4. If your answer is "Yes" , please provide some details about your online testing and / or assessment practices.

.....  
 .....

5. If your answer is "No" please say why you do not

.....  
 .....

6. Types of Online Assessment Tools Used: (Select all that apply)

- a ) online Quizzes
- b) Written Assignment
- c) Video Presentations
- d) Discussion Forums
- e) Oral Assessments (e.g., through video conferencing)

## **Part Two: Classroom Assessment**

1. What is your definition of Assessment? (Please briefly describe your perspective on assessment in the context of language teaching.)

.....  
.....  
.

2. What types of assessment do you use in the classroom? and why ?(Please select one or more options from the following list:)

- a) Diagnostic
- b) Formative
- c) Summative
- d) Interim
- f) All of .....

3. How often do you assess your students? (Please choose one option that best reflects the frequency of your assessments)

- a) Always
- b) Often
- c) Sometimes
- d) Rarely
- e) Never

4. What tools do you use for classroom assessment? (Please select one or more options from the following list)

- a) Assignments
- b) Essays
- c) Multiple-choice questions
- d) Oral tasks

5. What are the factors which influence your choice of assessment methods in the classroom?( Please select one or more options from the following list)

- a) Alignment with learning objectives

- b) Student preferences and learning styles
- c) Available resources and technology
- d) Time constraints
- e) Curriculum requirements
- f) Assessment validity and reliability
- g) Other (please specify) .....

**6.** What are the main consequences of using different assessment approaches on students' performance ?( Please select one or more options from the following list)

- a) Enhancing student engagement and motivation
- b) Improving learning outcomes and performance
- c) gaining awareness of their students strengths and weaknesses
- d) Increasing opportunities for self-assessment and reflection
- e) Potential for reducing student anxiety and stress
- f) Potential for fostering a deeper understanding of language concepts
- g) Other (please specify).....

**7.** From your experience, what are the benefits of incorporating technology in language assessment i.e. the advantages of using e-assessment? ( Please select one or more options from the following list)

- a) Enhanced assessment efficiency and grading speed
- b) Access to a wider range of assessment formats (e.g., multimedia)
- c) Improved accessibility and flexibility for students
- d) Integration of interactive and engaging assessment activities
- e) Potential for automated grading and feedback
- f) Other (please specify)

**8.** Conversely, what are the challenges that may arise from the shift to e-assessment?( Please select one or more options from the following list)

- a) Technical issues and potential disruptions
- b) Limited access to technology for some students
- c) Concerns about assessment security and cheating
- d) Increased preparation time and resources required
- e) Need for training and familiarity with e-assessment tools
- f) Other (please specify)

### **Part Three: Teachers' Perception about E-Assessment in Higher Education**

1. How familiar are you with the concept of e-assessment in the context of higher education?(Please choose one option)

- a) Very familiar
- b) Little/ less familiar
- c) Not familiar at all

2. Have you incorporated e-assessment methods in your teaching practices?( If yes, please specify the types of e-assessment tools you have used. Select all that apply)

- a) Online quizzes or tests
- b) Computer-based exams
- c) Peer assessment through online platforms
- d) Video assessments
- e) Interactive simulations or virtual labs
- f) Other (please specify)

3. What motivated you to adopt e-assessment in your teaching? (Please select one or more options from the following list)

- a) Enhanced student engagement and participation
- b) Ability to provide immediate feedback to students
- c) Access to a wider range of assessment formats

- d) Improved assessment efficiency and grading speed
- e) Alignment with technology-driven learning trends
- f) Institutional support and encouragement
- g) Other (please specify).....

**4.** What challenges have you encountered when implementing e-assessment methods in higher education? -(Please select one or more options from the following list)

- a) Technical difficulties and infrastructure limitations
- b) Resistance from students or colleagues
- c) Concerns about assessment security and academic integrity
- d) Increased / or increasing ? CHECK workload during the transition phase
- e) Lack of sufficient training or professional development opportunities
- f) Other (please specify)

**5.** In your viewpoint , how does e-assessment compare to traditional assessment methods in terms of effectiveness and efficiency? which is more effective : traditional or electronic/ distant assessment ?

- a) E-assessment is more efficient than traditional methods
- b) E-assessment is equally effective and efficient as traditional methods.
- c) E-assessment is less effective and efficient than traditional methods.
- d) I am not sure / It varies depending on the context.

**6.** As an educator, how do you perceive the future of e-assessment in higher education in Algeria ? (Please select one option)

- a) E-assessment will play a significant role in transforming higher education.
- b) E-assessment will complement traditional assessment methods in higher education.



c) E-assessment will have limited impact on higher education practices.

d) Not sure / It's challenging to predict the future impact of e-assessment.

7. What would you suggest to help develop the assessment approaches and practices in our universities

?.....

**Thank you for your time and thoughtful responses. Your participation is greatly appreciated !**