

Using Google Forms as a tool to review and evaluate English grammar knowledge at Hong Bang International University

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ABSTRACT

Learning outcomes assessment plays a significant role in teaching and learning, not only does it motivate learners but also provide information about how newly transmitted knowledge has been absorbed by learners. It is obviously true that both teachers and students require to adjust the content, teaching and learning methods to achieve the set goals. Using the Google Forms tool, teachers can easily assess students understanding in English Grammar classes at HIU. This study aims to explore the opinions of HIU students about the Google Form tool in reviewing and testing English Grammar knowledge. The research team used qualitative and quantitative methods to collect data from 94 first-year students of the English Language Department of Hong Bang International University. Specific methods for data collection are observations, interviews, and online surveys. Initial results show that the majority of students have positive comments about this assessment tool such as creating excitement, motivation, ease of use, receiving instant scores and feedback; in addition, students can self-test many times, which helps them memorize the content quickly. However, there are also a few students who believe that this tool is dependent on technology, limited to some types of exercises, and does not comprehensively foster students' creative and application skills.

Keywords: Google Form, online assessment, English grammar

1. INTRODUCTION

In today's fast-paced and technologically advanced world, integrating technology into education has become essential. English teachers in Vietnam must use technology to support university students' learning English because technology can provide various benefits and improve the quality of education.

Technology can provide students with a more personalized approach to learning. Utilizing apps, websites, and other digital tools gives students the opportunity to learn at their own pace and in a way that best fits their learning styles. Teachers can leverage technology to create interactive and engaging lessons that incorporate multimedia such as videos, audio recordings, and images. These materials can provide immersive learning experiences that enhance students' understanding of the English language.

In addition, technology can assist teachers to create a more collaborative and interactive classroom environment. During group projects,

oral presentations, or discussions, teachers can use computer-based tools to enhance students' engagement and interactions or to create quizzes to evaluate students' outcomes. For instance, online discussion forums can facilitate the exchange of ideas and encourage students to communicate in English. Moreover, due to the COVID -19 situation, online teaching via apps such as Zoom, Google Meet and Google Forms have enabled a seamless education system for students worldwide, and teachers can use these avenues to shape their lessons and ensure students' participation indeed. Furthermore, technology can provide an opportunity for teachers to assess student's performance and progress more accurately. By using learning management systems like Moodle, Blackboard Collaborate and Google Forms, teachers can generate instant assessment results and maintain communication channels with students through online feedback, which is vital in creating a supportive environment. That is the reason why English teachers in Vietnam must

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integrate technology into their teaching strategies to enhance their students' learning experiences. Technology provides students with a personalized approach to learning, promotes interaction and collaboration, and it allows teachers to evaluate students' performance more efficiently. Keeping the significance of the current internet and technological era cannot be overstated, and it will only continue to dominate the academic world. Therefore, English teachers must use technology to support university students learning the English language to ensure that they succeed academically and beyond.

To develop English proficiency for students at Hong Bang International university is also an urgent issue in the current global socio-economic context with many changes and challenges. Using technology as a means of assessment is believed to be an effective method to improve students' English proficiency. In this article, the research team uses the feature of creating multiple-choice questions on Google Form to create exercises and tests on English Grammar knowledge of first-year students at Hong Bang International University. The purpose of the study is to survey and interview students about the effectiveness of Google Form and its limitations in using it to create assessment and review exercises in English Grammar class. The data in the article are based on research conducted at Hong Bang International University in the academic year 2022-2023 through interviews with 10 students and a survey of 94 students majoring in English. The authors hope that this research result creates a positive premise for future studies to improve the quality of English teaching and learning at Hong Bang International University.

2. LITERATURE REVIEW

2.1. What is Google Form ?

Google Form is known as a web-based application used to create forms for the purpose of collecting search data. Users can use this application to conduct surveys, create and evaluate quizzes with many types of questions, create registration forms, etc. Forms are shared more easily through sending links, emailing, embedding in web pages or posts on the blog [1].

2.2. Why are Google forms used for assessment?

The fact that students use technology in English learning has been more and more popular. How

digital can bring practical effects to student learning is the concern of many researchers, especially in the field of language teaching and specifically English. Some research results show that using Google Forms for assessment has some advantages such as: Free Google Form tool, easy assignment creation, convenient online assessment [2]. What's more, it has an automatic self-grading tool, which means teachers do not need to spend hours manually grading tests, especially students are also able to get results and feedback immediately about the right or wrong answer. If the teacher uses Google form to take the test, not only can the teacher receive an instant analysis of the student's results, but also directly view the summary of the answers and the time of the student's submission exactly [3].

Obviously, Google Forms have become an essential tool for digital transformation in education. With the rise of remote learning during the COVID-19 pandemic, integrating Google Forms has helped educational institutions streamline their data collection processes. It enables them to gather information and feedback from students, parents, and teachers. Teachers can create online quizzes and assessments through Google Forms, which saves time and paper. The forms can be customized to fit individualized learning needs, which provides an improved learning experience for each student. Google Forms also helps in monitoring student performance, tracking attendance, and managing classroom surveys for insights on how to improve teaching methods. Therefore, integrating Google Forms is not only essential but has become necessary for digital transformation in education.

2.3. Previous research overview

Using Google Forms saves teachers time in creating and grading quizzes. A study conducted by Wang et al[3] found that creating quizzes using Google Forms was more efficient than traditional paper-based methods. Additionally, the platform automatically grades the quizzes, providing immediate feedback to students and saving teachers time in grading. Additionally, Google Forms allows teachers to create customized quizzes. Teachers can choose questions from a variety of sources, including pre-made templates, and customize them according to their students' needs. In a study conducted by Agrawal et al [1],

teachers reported that creating customized quizzes allowed them to better evaluate their students' English grammar knowledge. Furthermore, Google Forms provides teachers with data on students' performance. Teachers can view students' scores and analyze their performance to identify areas where students may need additional support. Agrawal et al [1], found that using Google Forms to evaluate students' English grammar knowledge allowed teachers to identify common errors and plan targeted instruction.

Google forms are chosen by many lecturers to create online assignments and tests for students because it saves teachers a lot of time. This is also considered a new way of doing things, and it is considered by most lecturers to be very convenient, effective and flexible. Like what is stated by Selim, the majority of students have a positive attitude towards this online assessment, students think that online assessment method is related to learning strategy, study time, learning methods, as well as self-assessment methods, and it also makes an important contribution to promoting a student-centered educational model[4]. This idea is also consistent with Hwang [5] in which he states that online assessment helps the teaching process to be effective, allowing learners to self-assess their progress and need additional reinforcement but bridge the learning content gap. According to Lawton [6] asserts that online assessment can be considered as the use of technology to facilitate teachers, starting from design, assignment to grading, statistical analysis, making reports by computer, this helps the trainer to handle a large amount of assessment work quickly and efficiently.

However, there are limitations to using Google Forms in assessing students' grammar knowledge in the English language. Some previous literature highlights these limitations. One limitation is the difficulty in assessing certain aspects of grammar, such as writing style, tone, voice, and punctuation using Google Forms. Another limitation is that the tool is not capable of providing feedback in detail to students, which can be discouraging for some learners. Furthermore, Google Forms only allows for multiple-choice, true/false, and short-answer types of questions. This limits the type of questions that can be used to evaluate grammar knowledge, as it cannot assess more complex language

structures such as syntax or verb conjugation [6]. Moreover, as Google Forms is an online tool, it may not accurately assess the practical language skills of ESL students. Aspects such as proper pronunciation, intonation, and fluency cannot be evaluated using the tool. Lastly, the accuracy of Google Forms is also questioned when assessing English grammar knowledge. While the tool can automatically grade responses to questions, there may be errors in grading when assessing complex sentences or nuanced answers[6]. In short, while Google Forms has its benefits for educators, it is important to recognize its limitations when assessing students' grammar knowledge in the English language. Further research is needed to find solutions to these limitations to utilize the full potential of Google Forms in English classrooms for assessing grammar knowledge.

3. RESEARCH METHODS

3.1. Objectives of the study

This study aims to explore the effectiveness of the Google Form tool used to create exercises and English grammar tests for students of Hong Bang International University, finding the advantages and disadvantages of this tool in order to use it effectively in teaching English.

3.2. Object and scope of the study

3.2.1. Research object

The effectiveness of the Google Form tool as a tool to review and evaluate English grammar knowledge.

3.2.2. Research scope

- + Time: 1 semester (from February to June of the academic year 2022-2023).
- + Space: Hong Bang International University.
- + The research object: 94 students of 3 English Grammar classes 2 belonging to Course 2022-2023 are studying at the Faculty of International Languages and Cultures.

3.3. Research tools and methods

From the arguments drawn from previous scholars and researchers and notes taken from classroom observation during the 15-week course, the author built a questionnaire to survey 94 students. Also, the author interviewed 10 students about the benefits and limitations of using Google Forms for review and assessment, the answers are critically

categorized and analyzed.

The course has 15 sessions, each session includes 3 periods including theory and practice. To enhance students recall what they have learned, the author prepares 20 multiple-choice questions on Google Form, the author installs the test function, displays the date score values after each submission, and the completed questions. In addition, recognizing wrong answers also help students learn from these mistakes, especially students are allowed to do the test multiple times, which totally helps them self-review what they have learned. The students keep doing the weekly task during the 15-week course before conducting the interview and online survey.

4.3. Survey result

Table 1. Student survey results about the effectiveness of Google Form in creating multiple-choice exercises to review and test English Grammar

Effectiveness	Poor	No opinion	Satisfactory	Very good	Excellent
Accessibility	0.00%	4.26%	29.79%	39.36%	26.60%
Convenience	0.00%	3.19%	35.11%	34.04%	26.60%
Motivation	1.06%	9.57%	37.23%	30.85%	19.15%
Concentration	1.06%	10.64%	27.66%	36.17%	22.34%
Getting results	0.00%	3.19%	14.89%	43.62%	37.23%
Instant feedback	1.06%	3.19%	19.15%	41.49%	34.04%
Drill	1.06%	5.32%	14.89%	43.62%	35.11%
Content acquisition	0.00%	3.19%	28.72%	38.30%	26.60%
Effort for higher scores	1.06%	4.26%	25.53%	36.17%	31.91%
Technological skills	1.06%	5.32%	25.53%	35.11%	31.91%

The survey results show that the majority of students appreciate the benefits of Google Form in learning English Grammar. Nearly 30% agree that accessing the exercises and tests on the Google Form tool is simple, fast and easy; nearly 49.36% think it's very good and 26.6% think it's excellent. Besides, 35.11% agree that this tool helps students to be interested in doing online, 34.04% think it's very interesting and 26.60% think it's great. In addition, the majority of students agree that this tool creates motivation, high concentration to achieve high results, especially students like this tool because they can recognize results and respond to correct sentences and wrong answers immediately after submission, which enhances students recognize mistakes and relearn contents that has not been

4. RESEARCH RESULTS AND DISCUSSION

4.1. Interview result

Interview results show that 100% students have a positive attitude to Google Form. They state that it is easy and convenient to use this tool, especially it is accessible to any device like smart phones, computers, and tablets. Also, they prefer to get instant marks and feedbacks from Google Form tests.

4.2. Observation result

Observation results show that 100% students can access the tests on Google Form easily and rapidly, 80% of them highly concentrate on the task, about 5% of them are distracted by their classmates asking for help or sharing the answers.

thoroughly understood. Most students also like the repeatability feature because it helps students remember the lesson for a long time and get better results next time. Moreover, the majority of students also agree that the Google Form tool helps students develop their technology skills.

Students appreciate the convenience of using Google Forms. With internet access, they can complete forms anytime and anywhere, making it a great option for remote learning. Moreover, they can access their results immediately, giving them instant feedback on their performance. Another benefit of using Google Forms is the variety of question types. Unlike traditional multiple-choice questions, Google Forms allows teachers to create

a range of question types, such as short answer and matching questions. This variety makes it more engaging and less repetitive for students. The option to include images and videos in the forms also makes it more visually stimulating for students. This can help them to relate the questions to real-life situations, which can

increase their understanding of English grammar concepts. Lastly, gamification elements added to the Google Forms make it more enjoyable for students. The use of colors, graphics, and animations create a fun and interactive learning experience. The students can feel more motivated to learn and improve their scores.

Table 2. Student survey results about the shortcomings of Google Form used to create exercises to review and test English Grammar

Shortcomings	Totally disagree	Disagree	Neutral	Agree	Stronly agree
Dependence on the quality of the transmission line and technology equipment	5.32%	37.23%	28.72%	12.77%	13.83%
Dependence on electricity	3.19%	25.53%	32.98%	17.02%	14.89%
Limitation of exercise types	3.19%	27.66%	36.17%	17.02%	11.70%

However, the survey results also show certain limitations. 12.77% of students believe that doing homework and taking online tests on Google Form must depend on the quality of transmission lines and technology devices. In addition, 11.7% of students also think that this method has little opportunity for learners to promote creativity because there are only certain types of exercises. Especially 14.89% of students said that online testing on Google Form depends on electricity and technology equipment, so both teachers and learners are always passive when the power is out or the transmission is weak.

4.4. Difficulties for teachers

While conducting this research, the author encountered many difficulties in explaining and persuading students to agree to participate in the survey in an objective and serious manner. In addition, teachers have to spend a lot of time to refer to the literature in articles, journals and websites about this field of study. Creating the quizzes is time-consuming. Teachers need to formulate well-structured and comprehensive questions that test various aspects of grammar such as tenses, parts of speech, and syntax. This requires a lot of effort and time to design appropriate quiz questions. Also, teachers may face difficulties in formatting the quizzes in Google Forms. It is really challenging for teachers to configure the design of the quiz, such as adjusting the font size, adding images or videos, or allocating marks to each question. Another challenge is that the quizzes may have limitations in terms of the type of questions that can be asked. For instance,

creative language questions that require paragraph writing is not possible in Google Forms. Furthermore, it is difficult to include questions that assess oral and listening comprehension skills. Specially, teachers encounter some issues with grading the quizzes. While Google Forms can automatically grade multiple-choice questions, there may be discrepancies in the answers if students use different variations of language that are deemed correct. Teachers may also find it time-consuming to manually grade certain types of questions, such as writing or essay questions.

Obviously, while Google Forms serves as a helpful teaching tool for creating quizzes, teachers must be mindful of the limitations and challenges that they may face in designing and grading the quizzes. It requires a certain level of effort and trial-and-error to create engaging quizzes that effectively test students' English grammar knowledge.

4.5. Difficulties for students

In the process of conducting research some students lack equipment and technology skills. Moreover, many students expressed discomfort because it took a long time to access because of poor transmission quality. As a result, some students consider this test method a waste of time and dependent on technology. One of the most common difficulties that students face while using Good Forms is technical issues. If the platform is not user-friendly or is experiencing glitches, students may struggle to navigate the site, thus hindering their ability to practice their grammar skills effectively. Although Good Forms is an excellent

tool for testing and reviewing grammar skills, it is not a substitute for a live teacher. Students struggle to get personalized feedback when they make mistakes, which can hinder their ability to learn. It is evidently proved that Good Forms is an indispensable tool for enhancing English grammar skills. However, students may face difficulties while using this platform. By identifying these challenges, teachers and learners can work together to overcome them and use the full potential of this tool effectively.

4.6. Discussion

There are several benefits of using Google Forms to create and evaluate quizzes and English grammar tests. From a personal perspective of a teacher as well as a learner, it is totally true that Google Forms is straightforward to use, even for those who are not tech-savvy. The intuitive interface reduces the learning curve and makes it simple to create a quiz or test. Furthermore, creating quizzes and tests on paper can be tedious and time-consuming, while using Google Forms can save time spent on grading and evaluation. Google Forms automatically grades responses and can generate reports with just a few clicks. Since Google Forms are completely digital, students can take tests from anywhere with an internet connection. This makes it convenient for remote learning, online classes, and asynchronous learning environments.

Besides, Google Forms offer customizable templates that can be tailored to suit individual preferences, learning objectives, and assessment criteria. Likewise, teachers can create their questions or choose from a variety of question types. Especially, they are accessible from any device, including smartphones and tablets. Students can take tests and quizzes from the comfort of their home, easier, and more accessible. The most benefit is that Google Forms enable teachers and educators to collect data from their students and analyze it for assessment insights and improvement. For students, Google Forms provide instant feedback for them, so they can see their progress in real-time. Also, it generates reports that contain detailed information about the assessment, making it easy for teachers to track the performance of individual students or the class as a whole. Overall, Google Forms can be a valuable tool for creating and evaluating quizzes and English grammar tests, offering several benefits over traditional paper-based tests.

However, using Google Forms to create and evaluate the questions of English grammar bring with it some limitations. It offers a limited selection of question types, which may not be suitable for assessing all aspects of English grammar. In addition, Google Forms provide limited formatting options, and it may not be possible to format the questions to the desired extent. Although Google Forms allow for multimedia elements such as images, videos, and audio, the support for these elements is limited, which can be a hindrance for assessing language skills such as listening or writing. Also, it may be challenging to monitor students during the quizzes as it is not possible to determine whether they are accessing resources or receiving outside help. Also, Google Forms lack the provision of generating questions randomly, making it easier for students to share answers. Especially, there is no provision for detecting plagiarism in Google Forms quizzes, making it challenging to maintain academic integrity in online assessments.

5. CONCLUSION

Using technology in education is an inevitable trend, so the research, which explores an effective online assessment method to improve the quality of teaching and learning, especially learning English, is being studied by many researchers, interested teachers and learners. Research results on using the evaluation feature on the Google Form tool in the English Grammar class at Hong Bang International University show that students have an attitude of agreement and interest in this method. Moreover, using this feature on a smartphone or computer is quite simple and easy, students can do it themselves over and over again, get assessment scores and instant feedback, and control things. This helps learners easily remember knowledge, self-assess and measure the content they have learned. This method also helps students familiarize themselves with and develop technology skills. However, there are some disadvantages of this tool such as dependence on technology, electricity, or a limited selection of question types. Despite these limitations, Google Forms can still be a useful tool for creating and evaluating English grammar quizzes. Teachers can use it to assess students' understanding of basic grammar rules or as supplementary material to reinforce classroom learning.

As researchers aim to study the advantages of

Google Forms used to help students review and test their English grammar knowledge, there are several steps the researchers are going to achieve valid and reliable results in the next study. Firstly, researchers will design a study that clearly outlines the research questions, hypotheses, and variables to investigate what effect using Google Forms has on students' grammar knowledge acquisition. Researchers should also define the sample size and the selection criteria for the participants to ensure statistical significance in the results. Secondly, the study can use a Randomized Controlled Trial (RCT) design to compare the performance of students who used Google Forms versus those who did not. The research can randomly assign participants to either a control group that does not use the forms or the treatment group that uses the forms. The study period should be long enough to observe any significant differences in the two groups' grammar knowledge. Thirdly, researchers should consider using pre and post-test assessments, questionnaires, and rubrics to collect quantitative and

qualitative data that assess the students' grammar knowledge. The researchers should compare the results of the pre-test and post-test to verify any statistical significance. Lastly, researchers should analyze the data and report the findings in a scientific report format that adheres to academic writing standards. This report should clearly indicate the advantages that using Google Forms has brought to students' grammar knowledge acquisition. The researchers should also provide recommendations for further research and any necessary adjustments to the teacher's pedagogical approaches. This is the first time the researcher has conducted a Google Form study, so the preparation and conduct of the experiment cannot avoid certain limitations. However, the researchers hope that the above results can contribute to the premise for the next larger studies to find effective learning and assessment methods to help students improve their knowledge of English grammar at Hong Bang International University.

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Dùng Biểu mẫu Google như một công cụ để ôn tập và đánh giá kiến thức ngữ pháp tiếng Anh tại Trường Đại học Quốc tế Hồng Bàng

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TÓM TẮT

Đánh giá kết quả học tập đóng một vai trò quan trọng trong quá trình dạy và học ngày nay, kiểm tra đánh giá không chỉ tạo động lực cho người học mà còn cung cấp thông tin cho giảng viên biết sinh viên của mình đã tiếp thu được những kiến thức gì. Rõ ràng, thông qua kiểm tra đánh giá cả thầy và trò đều phải điều