

# Implementation of Digital Technology in Translation At the English Education Department IAIN Sultan Amai Gorontalo

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**Abstract.** This study aims to explore the implementation of digital technology in Translation at English Education Department of IAIN Sultan Amai Gorontalo. Digital technology has brought significant changes in learning methods, especially in English language teaching. In this study, various digital devices and platforms, such as language learning apps, social networks, and other digital resources, were explored to improve students' English skills. This study was designed using a qualitative approach with observation, interviews, and document analysis to determine the effectiveness and challenges faced in this technology application. The results showed that using digital technology in translation learning can increase learning motivation, enrich learning materials, and provide interactive experiences that support the learning process. However, this study also revealed a number of obstacles, including limited infrastructure, lecturers' and students' abilities to adapt to technology, and the limited ability of lecturers in technology. The recommendations of this study include the need for more in-depth training, improvement of technology facilities, and development of a digital-based curriculum to maximize the learning potential in the field of translation in the university environment.

**Keywords:** Digital Technology, IAIN Sultan Amai Gorontalo, Implementation, Translation

## 1 Introduction

English language learning in the field of translation requires an innovative approach to improve learning effectiveness. Digital technologies offer a variety of resources that can be utilized, such as tools, online learning platforms and collaboration tools. This research aims to explore how these technologies can be applied in English language learning in terms of understanding a text [1].

In addition, this research will discuss the impact of technology use on students' text comprehension skills, as well as how such technology can facilitate a more interactive and personalized learning process. Through the application of various methods, such as qualitative and quantitative analysis, this research will evaluate the effectiveness of various digital tools, such as Artificial Intelligence (AI)-based applications, educational games and e-learning platforms in helping students develop their literacy skills. The findings from this research are expected to guide teachers in choosing the most appropriate strategies to maximize student learning outcomes [2].

By using the Platform app and Online Learning Tools, students can access a wider range of resources and receive real-time feedback on their quality. The study on translation in this sense will examine at how digital technologies can be used to help students learn English more effectively including task-based learning strategies that test students' analytical skills and collaboration tools that let them work together on online projects.

Additionally, this study will look into how students' difficulties in understanding the linguistic and cultural nuances in texts might be addressed through the help of technology. Therefore, it is expected that digital technology could enrich the educational process and prepare students to meet the demands of the constantly changing professional environment.

This study analyzes the degree to which students' teamwork and communication skills can be improved by using digital technology, which is essential in today's professional world. Through the online learning platform, students may learn more about context and interpretation in translation and take part in dynamic and interactive group discussions.

In addition, this study will examine how technology use affects the development of general translation skills, including speaking and writing as well as the ability to deeply understand the increasingly complex texts [2].

It is expected that the implementation of digital technology will provide students opportunity to learn independently and flexibly and to create opportunities for them to access more advanced and varied learning resources, such as those available on various international platforms. In addition to learning language and cultural aspects, students who use a technology-based approach are also exposed to real-world challenges which will help them become more prepared to engage in the global job market and evaluate the effectiveness of digital technologies. In order to create relevant learning programs towards the industry demands and the most recent technology developments, learning methods and instruments should be based on recommendations [3].

## 2 Methodology

This research activity was carried out in the research program of English Education Department Study Program at IAIN Sultan Amai Gorontalo by involving students from various backgrounds. The methods used include: Training on how to use application tools by teaching students how to use applications such as Google Translate, Deepl, and other AI-based translation tools. Students can then share their experiences and challenges in learning English through discussions and Q&A sessions.

Additionally, this activity covers group text comprehension exercises. Students work in small groups to translate specific texts using the accessible technological instruments and applications. Each group was given the chance to discuss about the results of the text translation and solicit feedback from lecturers and other students. Following that, an evaluation and reflection session was conducted to gauge the students' comprehension of the text's content and their capacity to use digital technology in the learning process.

In addition to understanding the critical role that technology plays towards improving the efficiency as well as accuracy of the text, students should be able to apply the tools and techniques they have learned in the tasks that will be assigned to them at the next meeting. Then, by sharing knowledge and experiences related to learning English, particularly translation, this activity seeks to improve cooperation among students.

Through this collaboration, students can improve their comprehension of challenging words and cultural contexts while helping one another in resolving complex translation issues. This allows them to consider different perspectives in translating terms that may have different meanings in each context. In addition to honing their technical translation skills, students can develop their cultural awareness, which is crucial in translation world. Furthermore, this collaboration encourages the development of a supportive educational environment where students may share strategies, instruments, and innovative thoughts that improve the overall quality of their translations.

At the end of the activity, it is expected that participants will have developed not only technical translation skills but also soft skills including problem-solving, effective communication, and teamwork—all of which are critical in workplaces. Students who participate in this experience will be more equipped to handle the demands of the workplace, which include a need for cross-disciplinary collaborations and the ability to adapt to new technologies.

## 3 Result and Discussion

Based on this study, students' understanding of using digital technology in English language learning, notably translation, has significantly improved, and the majority of them feel more confident when using tools such as Google Translate, Deepl, and other AI-based translation applications.

Group discussions provide students the opportunity to share their translation knowledge and strategies, which enhances their understanding of translated texts and deepens their knowledge of the different contextual and cultural aspects of the studied materials.

The results of assessment and reflection indicated that students' understanding of texts using technology has improved, although some still struggle with more intricate idioms or linguistic nuances. Feedback from teachers as well as learners, however, is particularly helpful in indicating the errors and suggesting alternative solutions.

Overall, this activity was successful in improving students' proficiency with digital technology and their translation skills. Effective discussion and collaboration in completing English learning tasks and text comprehension additionally shows how students are becoming closer to one another. Students are now more equipped to use technology in their future work and are becoming more aware of the importance to improve the accuracy and efficiency of such types of texts' translations.

Additionally, this activity helps students in understanding the importance of harmonizing human and technological skills in the translation process. Although digital technology helps accelerate and simplify the process,

students are becoming more aware that machines cannot fully replace human understanding of context, word choice, and being able to modify language styles to meet writing targets. This helps students acquire the analytical and creative skills that are crucial in the workplace, as well as to think more critically when using technology.

Through this activity, students develop their understanding of the linguistic and cultural aspects presented in translated texts in addition to honing their technical skills using digital technologies. This group discussion activity provided students the opportunity to exchange ideas and tactics, which improved their comprehension of the material and gave them more confidence when using technology for tasks related to the translation of English texts into Indonesian.

In the future, it is expected that students will be able to maintain developing these skills and become more proactive in integrating technology into their learning. With the rapid advancement of technology, students will need to be able to adjust to and use a variety of digital tools in order to meet the demands of an increasingly digital and international industrial environment. Students who complete this program are effectively prepared to participate in the translation industry and compete professionally.

In addition, the program is also expected to be a model for future curriculum development, which integrates digital technology with English language learning and translation. By incorporating relevant digital tools into learning materials, it is hoped that students can more easily keep up with the ever-changing industry and technology developments. This program can be a reference for educational institutions in designing more adaptive and technology-based training modules, which not only prepare students to understand the language, but also to use technology to solve problems and produce high-quality work [4].

In the long term, it is hoped that the impact of this activity will be felt not only by individual students, but also by the academic and professional community as a whole. Through more advanced text interpretation skills and more efficient use of technology, students will be better able to contribute in areas such as professional translation, international content creation, and cross-cultural communication, all of which are important aspects in an increasingly connected global world.

This program not only benefits students, but can also make a significant contribution to advancing technology-based English language education and translation, as well as strengthening the position of educational institutions in facing challenges in the digital era.

Furthermore, this program can encourage the development of students' linguistic and technical competencies, so that they are better prepared to compete in an increasingly global and digitally integrated world of work. In addition, this program also allows the creation of collaboration between academics and practitioners in creating new innovations in teaching and translation methods, strengthening the competitiveness of institutions in the national and international scope.



**Figure 1.** Temporary Students Translate Texts with Full Concentration

## 4 Conclusion

The use of digital technology in English learning can have a positive impact on students. This program has succeeded in improving skills and encouraging continuous English learning. Considering recent developments in technology, it is recommended that this program be continued with the addition of new materials and resources.

Additionally, it is important to integrate the latest technological features that can support learning, such as more advanced artificial intelligence (AI)-based translation applications and interactive learning platforms that enable global collaboration. The addition of material on text analysis and the application of cultural context in text

translation is also very necessary so that students are not only skilled in understanding texts in Indonesian, but also understand the depth of meaning contained in English texts. The program should also be expanded with more intensive, hands-on sessions, such as translation projects involving professional texts and specialized materials, to prepare students for the challenges of the workforce. With a more comprehensive and dynamic approach, it is hoped that this program can continue to make a positive contribution to the sustainable development of English skills.

The program should also introduce topics related to the latest trends in the translation industry, such as multimedia translation and subtitling, as well as translation in the context of information and communication technology. Thus, students not only learn translation theory and techniques, but also gain an understanding of how these skills are applied in a broader context and relevant to the times. Having the ability to adapt texts into a range of media and formats in addition taking professional and ethical considerations into account will provide them a significant benefit when dealing with the demands of their professional world.

This program of study can serve as a comprehensive means of preparing students to become not only skilled translators but also professionals with a wide range of insights, skilled in addressing issues around the world, and prepared to contribute to the dynamic and constantly changing world of translation. Through an adaptive and technology-based curriculum, coupled with relevant practical experience, students will be trained to overcome the complexities of translation in a variety of contexts, be it literary, technical, or business. This expertise will ensure that they do not just translate word for word, but also process cross-cultural information and preserve the nuances of meaning contained in the original text.

In addition, the program will equip students with analytical, critical, and professional ethics skills that are in high demand in today's era. By prioritizing integrity and accuracy in translation, students will be able to make a significant contribution in facilitating more effective and meaningful intercultural communication. With a strong foundation in technology, linguistic skills, and a deep understanding of cultural contexts, the program is expected to produce graduates who are not only competent, but also ready to innovate and adapt to the increasingly rapid development of the global translation industry.

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