



## ANALYSING THE IMPACT OF CHATGPT ON UNDERGRADUATE ENGLISH LANGUAGE LEARNERS AT THE UNIVERSITY OF BUNER

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### **Abstract**

*The integration of artificial intelligence (AI) in education has significantly transformed language learning. This study explores the impact of ChatGPT, an AI-powered language model, on undergraduate English language learners at the University of Buner. By leveraging ChatGPT as a digital learning tool, students have been able to enhance their grammar, vocabulary, reading comprehension, and writing skills. The research employed a quantitative methodology, using a structured Likert-scale questionnaire to collect data from 115 undergraduate students across various departments. The findings reveal that 77% of participants use ChatGPT for English learning, with a notable improvement in grammar (77%), vocabulary (75%), and writing skills (72%). However, the study identifies limitations in speaking proficiency, as only 39% of students reported a noticeable improvement in spoken English. The research highlights the potential of AI-driven tools in personalized language learning while emphasizing the need for institutional policies to regulate their use effectively. Future studies should focus on integrating ChatGPT with interactive speaking exercises to enhance oral proficiency.*

### **Keywords**

ChatGPT, Artificial Intelligence, English Language Learning, Technology in Education, University of Buner, AI Chatbots

## **INTRODUCTION**

### **1.1 Technology and language learning**

As technology advances at a rapid pace, it has had a significant impact on our daily lives. Many advancements in recent times have been made, such as language learning, which has improved our quality of life. Language learning has traditionally been accomplished by reading books in a classroom setting or attending face-to-face classes. However, with the advancement of technology, the way of teaching and learning language has changed. In today's world, language students have access to computerized dictionaries, translation software, chat applications, e-mail, and social networking sites. With these online resources, learning a language has become easier, more comfortable, and more flexible. Students can also get information and expertise from the comfort of their own homes by using video-based learning on YouTube and other internet sites. Beyond students, technology plays an important role in language learning. Digital tools and resources, such as software for teaching languages and e-books, can also be useful for teachers and students. These resources can assist teachers in developing interactive classes that are appealing to students' interests and learning preferences.

According to Ahmadi (2018), Technology use has evolved into a crucial component of learning both inside and outside of the classroom. Most language classes use technology in some way. Language learning benefits from and has been enhanced by the use of technology. Teachers may change classroom activities because of technology, which improves the learning of a language. Technology's significance as a tool to assist teachers in facilitating language learning for their students keeps growing. English has become a universal language in the linked world of today, inspiring learners from all over the world to become fluent in it. Fortunately, non-native speakers who want to improve their English language skills can access a wide range of



conventional methods and cutting-edge technical solutions. These include social media sites and search engines like Google, which provide a wealth of online tools for learning English. Additionally, the most recent development in technology, AI chatbots, has become a game-changing tool that enables language learners to practice their ability to speak in a supportive and safe environment while having interactions that are similar to those with humans.

## 1.2 ChatGPT

Artificial intelligence (AI) has a significant impact on many areas of our lives. With the help of this technology, computer systems may mimic human intelligence, including reasoning, self-correction, and learning. Due to its vast application, AI has emerged as the most potent tool in several sectors, including marketing, finance, and healthcare. The invention of chatbots that can converse with humans and provide responses that seem human-like is one of the remarkable contributions of AI. ChatGPT stands out among the different chatbots as a significant language model that was released in November 2022. It is the perfect option for organizations and people looking to improve their interaction and connection with customers because it can generate coherent and informative responses to user input. ChatGPT can completely change how we communicate with technology and one another because of its sophisticated natural language processing capabilities.

According to Lo (2023), ChatGPT has the potential to be a virtual tutor for students (e.g., to answer questions and promote collaboration) as well as assistance for instructors (e.g., to produce course materials and offer ideas). Due to its multilingual training data, ChatGPT can process and generate messages in multiple languages. The use of ChatGPT by foreign language teachers and students has raised significant concerns in the realm of education.

## 1.3 ChatGPT and English Language learning

According to Hong (2023), ChatGPT provides researchers with a variety of research options, particularly toward a more individualized learning experience. ChatGPT offers considerable opportunities for teachers and education institutions to enhance second/foreign language teaching and assessments. Proficiency in English has become essential for success in the academic, professional, and social sectors in today's globally connected world. An excellent chance for English language learners to develop their abilities is ChatGPT. The impact of ChatGPT on the University of Buner undergraduate English language learners will be the subject of our study. According to Lo (2023), There are some drawbacks to using ChatGPT, such as the potential for producing false or inaccurate information or getting around plagiarism checkers. ChatGPT has the potential to assist instructors by producing course materials and making suggestions as well as acting as a virtual tutor for students by answering questions and encouraging collaboration. There is an immediate need to change the institutional policies and evaluation procedures utilized in schools and colleges. Both teacher development and student education are essential to addressing ChatGPT's influence on the educational environment.

## 1.4 Research Objective

1. To examine the impact of ChatGPT on the English language learning process at the graduate level students at the University of Buner.
2. The purpose of this study is to look into the effect of ChatGPT on different English language skills.

## 1.5 Research Questions

1. How does the use of ChatGPT affect English language learning at the University

of Buner?

2. What effect does ChatGPT have on various English language skills such as writing, speaking, listening, comprehension, and reading?

### 1.6 Statement of the Problem

The purpose of this research is to examine the impact of ChatGPT on learning the English language at the University of Buner. Language proficiency is becoming increasingly important across a wide range of industries, and it is critical to provide students with innovative and efficient language learning approaches that are tailored to their specific requirements. This study will provide insight into the potential of improving English language competency through language learning tools by utilizing AI-powered language learning tools like ChatGPT. We hope that this research will help to develop effective ChatGPT language-learning strategies that will assist students in reaching their goals. ChatGPT will be used to assess study participants' conversational skills, reading, writing, vocabulary, and grammar abilities. The findings of this study are likely to have a significant impact on the way AI-based language learning tools will be developed in the future to assist learners in improving their language abilities.

### 1.7 Significance of the Research

ChatGPT is a valuable language learning tool that can be used as an additional resource for English language learners. The goal of this research is to find ways to improve English language learning encounters and bridge communication gaps. As technology advances, interactive platforms such as ChatGPT can provide students of all ages with a more personalized and engaging learning experience. Additionally, being able to communicate with native speakers and get quick feedback may greatly improve language learning. Therefore, understanding more about ChatGPT's capabilities and those of other language learning programs will help you progress toward language competency more quickly and effectively.

### 1.8 Delimitation of the Study

The main goal of the research is to thoroughly examine the effects of ChatGPT, a particular technological innovation driven by artificial intelligence, on the academic performance of undergraduate students at the University of Buner who are studying English as a second language. The study's scope is restricted to the Buner area in the Khyber Pakhtunkhwa region of Pakistan, and its participants are restricted to undergraduate students of various departments at the University of Buner. The study's sole objective is to evaluate ChatGPT's impact on students' learning of English language skills. To keep a tight focus on ChatGPT's effects, the research approach purposefully does not evaluate alternative language-learning platforms and tools.

## LITERATURE REVIEW

This chapter presents a comprehensive and in-depth study of the available literature on how technology affects English language learning. This review's main focus is on ChatGPT, which is a very useful and successful teaching tool for English language learners. The examination goes in-depth on historical and contemporary innovations in education and emphasizes the importance of these developments for learning a language. The evaluation also discusses ChatGPT's potential advantages for learning a new language, such as its capacity to enhance vocabulary, grammar, reading, and writing abilities, as well as conversational abilities.

### 2.1 Technology

The Greek terms *techne* and *logos*, which are transliterated, are the origin of the word technology. *Techne* is the Greek word for art, skill, or craft, as well as the method or process

by which something is acquired. The Greek term *logos* translates as "word," "utterance," "saying," or "expression" (*Technology*, n.d.). Technology is the application of scientific knowledge to the practical aims of human life or, as it is sometimes phrased, to the change and manipulation of the human environment ("Technology Definition & Meaning | Dictionary.com," 2020). The economy, politics, society, art, and education are just a few of the areas of our lives where global technology advancements have had an influence. As science advances, technology will unavoidably continue to change. Our way of life has changed as a result of technological advancement, which is a good thing. Technology allows us to practice efficiency, pragmatism, and frugality. Learning has become more accessible thanks to technology in the sphere of education. Distance and physical limitations are no longer a barrier to education thanks to e-learning technologies. Additionally, the price of education has decreased. The way we learn has changed, and we now have a wider viewpoint than before. We engage with technology more frequently than we do with other people in our daily lives. This has had an indirect impact on our mental health. Nevertheless, technology has significantly improved our way of life (Masni, 2018). Educational technology involves the application of modern technology to enhance the quality of education through an organized process. According to Masni (2018b), Every day, the normal person uses technology to fulfill his tasks. Many people use technology more often than they interact with real people.

## 2.2 The impact of technology on language learning

The necessity of using technology in learning a language is gaining popularity quickly. In the lengthy process of learning a language, students require motivation and are prone to distraction. When it is handled appropriately and efficiently, technology may be one of the methods to create a genuine and fun environment for young language learners. When language learners interact actively with technology, they may practice their language skills outside of the classroom. Their access to technology's limitless resources and opportunity to study is invaluable. The use of technology by instructors outside the classroom may make English education simple and fun, according to students. Technology-based games, animated films, blogs, and some children's social media sites have an impact on students and raise their knowledge of language and culture (Ilter, 2015). Technology is seen as a very helpful tool for learning foreign languages; students enjoy it and find it to be enjoyable, challenging, and full of positive aspects. The use of modern technology costs less money since printed materials—which might be expensive—are avoided. The cost of education and test preparation for students has decreased because of common texts, classroom instruction, and modern technologies. There were only simple teaching instruments available before technology. Teachers could now exchange lessons more easily and add images, videos, and other multimedia to their lessons. Numerous software, websites, and programs help teachers improve their instruction-giving skills (Balla, 2023). Apps for smartphones and tablets, social networking sites, online movies, audio tools, and computer software all help people learn English as a second language. (Alsulami, 2016b). The technology used to teach speaking might be in line with the communicative approach to education, which enables students to communicate effectively and skillfully (Sosas, 2021). There are numerous chances to improve student learning and complement instructors' efforts through the use of large language models in education. However, it is essential to employ them with caution, critically assess their weaknesses and potential biases, and incorporate continual human supervision, direction, and critical thought (Kasneji et al., 2023). Websites for online English language instruction can help students use technology to enhance their learning abilities (Nomass, 2013).

## 2.3 The Impact of AI technology on language learning

To develop learning user experience solutions that are more effective and efficient, AI learning

systems must be included. AI-based language learning systems have the potential to develop into even more powerful and important tools for language learning (De La Vall & Araya, 2023). According to Rusmiyanto et al (2023), Artificial intelligence can dramatically improve the communication skills of English language learners by providing personalized and interesting learning opportunities. The rapidly advancing field of artificial intelligence (AI) and the increasing focus on individualized learning have both had a significant impact on learning a second language. Even though more flexible language learning technologies are being created with the application of AI to the field of computer-assisted language learning, there have been challenges with insufficient knowledge and teacher training. To effectively utilize these technologies, teachers must have a deep understanding of recently developed AI-based language learning tools (Woo & Choi, 2021b).

AI technology has a lot of potential in education. As a result, for Chinese intellectuals, the question of how to use technology successfully seems to be a fundamental one. It is suggested that Chinese college students learn English using AI from three perspectives: as an intelligent teacher, an emotional soother, and a rater to meet the goal of developing students' various intelligences in the context of the contemporary high-speed economic and social environment (Deng, 2022).

#### **2.4 The Impact of ChatGPT on Language Learning**

According to Mohamed (2023), Using ChatGPT as a method for learning a language has advantages as well as disadvantages. The real-time engagement and feedback that ChatGPT offers is one of the major benefits of employing it for language training. A massive knowledge base, natural language processing abilities, personalized language education, and the capacity to produce responses and engagement that are human-like are all further features of ChatGPT. Additionally, it is affordable, opening up access to a wider group of people. Participants assert that teachers should receive training on how to effectively use ChatGPT for it to be more effective. It is important to remember that using ChatGPT for language training has drawbacks. The lack of personalization and human connection is among the biggest disadvantages. Inadequate or unsuitable responses, problems comprehending context and meaning, cultural insensitivity, and technical restrictions are all possible. Additionally, because ChatGPT is unable to provide precise citations and references, it might not be the most suitable or trustworthy tool for academic purposes. It can also be used to cheat, which jeopardizes the integrity of the educational process. According to Yan (2023), The study found three stages of development: 1) being familiar with ChatGPT, 2) experimenting with basic usage, and 3) investigating advanced strategies. Students first became familiar with ChatGPT through videos before using it on their own. They could produce text on a specific subject just once, and they were unable to alter the prompt to produce better text. Overall, students were pleased with the generated text's accuracy, coherence, grammar, style, and compliance with academic standards. As they practiced more, students discovered how to use ChatGPT's interactive tools to raise the standard and applicability of their writing. The general quality of the text greatly increased after two or three rounds of the regenerating prompt, with only slight gains after the first. Students improved their writing at the final practicum stage by using various automatic text-processing techniques. Text generators, paraphrasers, grammar checkers, and summarizers were among them. The study showed that ChatGPT's ability to comprehend complex queries, provide plausible responses, and offer individualized support has a significant potential impact on the field of English language teaching and learning. To assist kids in developing their social and critical thinking skills, teachers are crucial, thus it's important to establish a balance between AI and human connection (Fikri, 2023).

According to Ali et al (2023), The use of ChatGPT as a teaching tool can be inspiring. It would be beneficial to look into these effects more thoroughly rather than being terrified of any

potential negative effects. More research should be done to pinpoint ChatGPT's additional benefits for learning a language as well as any negative impacts so that educators can lessen them in English programs. The advantages that ChatGPT's English proficiency may provide for the English language teaching and learning process for Vietnamese teachers and students are substantial. It is essential to use this tool carefully and to be aware of its limits. Although ChatGPT is a useful tool for English language instructors, a personal instructor is still preferred. To improve the learning process for English language learners, it should be utilized in conjunction with a human teacher (Tipayavaravan et al., 2023). By embracing ChatGPT-powered instruction, educators can improve their students' learning of languages by utilizing this technology. The results highlight the significance of educating teachers on how to successfully involve students in ChatGPT usage while minimizing any possible negative effects (Ali, 2023). The learning assignments that ChatGPT has provided can be used as examples by instructors and students who are new to the platform. While providing solutions, it has also called attention to several significant differences and ChatGPT's shortcomings. We argue that given the permanence of AI-driven digital tools, language teachers and students must be highly skilled in digital skills to fully utilize them and manage the risks and drawbacks they may present. A flexible and useful tool like ChatGPT holds a lot of promise for encouraging flexible and motivating language learning. We implore language teachers to look into the pedagogical potential of ChatGPT and use it to improve instruction in ways that are both morally and conceptually sound (Kohnke et al., 2023).

ChatGPT has the potential to markedly improve student output standards. Assisting with language development, encouraging teamwork, enhancing time management and effectiveness, and providing support and inspiration are just a few of the ways that ChatGPT can benefit students (Fauzi et al., 2023). According to Zhou et al. (2023), in terms of narrativity, word concreteness, and referential cohesiveness, ChatGPT performed better than human authors. Narrativity and referential cohesiveness were linked in both ChatGPT and human writers, though the correlations varied within each group, according to the discourse component correlation analysis. The introduction of ChatGPT into the educational environment has opened up new opportunities for language learning, but it has also brought up significant ethical problems that require careful consideration and resolution to ensure that this technology is used responsibly. The ethical implications of integrating ChatGPT into language instruction and other fields must be closely monitored by educators and administrators due to the unprecedented rate at which artificial intelligence (AI) is developing (Vaccino-Salvadore, 2023). Students can receive individualized instruction through the use of ChatGPT in language training. By using ChatGPT to develop lesson plans and materials that are specifically catered to the needs and interests of particular students, language teachers can improve the efficiency and engagement of language instruction. The use of ChatGPT, a cutting-edge language model, opens up a wealth of opportunities for language learning. However, it's crucial to look at potential problems that might arise during implementation. One worry is that ChatGPT may produce biased or inappropriate content because it is trained on a sizable corpus of conversational text that may reflect the prejudices and stereotypes in the data. As a result, creating inclusive and diverse data sources is crucial for lowering this risk (Baskara & Mukarto, 2023). The use of ChatGPT in educational settings may boost student interest and engagement while simultaneously providing them with immediate, personalized feedback. The importance of thoughtfully incorporating ChatGPT into education while considering moral issues like the potential for prejudice and the difficulty of interpreting language models. Therefore, the development of effective educational practices that fully exploit ChatGPT's potential should go hand in hand with a critical evaluation of technology and its effects on education (Japoshvili-Ghvinashvili & Suleman, 2023). ChatGPT can process and generate texts for multiple languages due to its multilingual training data (Lai et al., 2023).

## RESEARCH METHODOLOGY

In this chapter, a thorough analysis of the research techniques used to look into how technology affects English language learning is presented, with a focus on ChatGPT's potency as a language-learning tool. The University of Buner's undergraduate English language learners from various departments are included in the study. The chapter includes the research design, Research strategy, Data collection procedure, Data collection instrument, population, participants or sampling, ethical consideration, data presentation, limitations, and conclusion.

### 3.1 Research Design

With the help of our research, we hoped to better understand the advantages of using ChatGPT in various departments at the University of Buner's English language learning process. We used a quantitative research methodology, which allowed us to analyze and assess how ChatGPT affected the results of language learning. Our analysis gave us important insights into the ways that technology specifically ChatGPT can be used to improve language learning for individuals and the advantages that it might have for university students.

### 3.2 Research Strategy

Both descriptive and explanatory research methodologies are used in this study's methodology. The study aims to explore and highlight ChatGPT's (a conversational agent powered by AI) potential influence on improving students' English language learning outcomes. To improve language learning outcomes in academic settings, the study aims to identify the underlying factors that make ChatGPT effective at improving students' language learning. It also considers any potential implications of its findings.

### 3.3 Data Collection Procedure

The researcher developed a thorough Likert-scale questionnaire to gain important information about how ChatGPT, affected our participants' English language learning. 115 participants were carefully chosen for the current study from a range of departments at the prestigious University of Buner. The researcher took great care to emphasize that each participant's participation was voluntary before obtaining their informed consent and asking them to complete the questionnaire. This focus on ethics and the little things shows how committed the researcher is to carrying out a thorough and reliable study.

### 3.4 Data Collection Instruments or method

We used a methodical approach to gather accurate and thorough data for this study. As the main tool for gathering data, we used a structured questionnaire that was carefully created to record crucial details about the participants' demographic profiles, and the questionnaire was composed of 20 questions, 10 of which probed the students' usage of ChatGPT for English language learning and 10 of which were of ChatGPT's impact on their language abilities. As we worked to create useful language-learning tools, we aimed to learn important things about how ChatGPT affects language learning. We intended to evaluate ChatGPT's effectiveness in enhancing language skills, through the analysis of questionnaire responses. Overall, our thorough approach to data collection will allow us to make insightful conclusions and suggest enhancements for ChatGPT for learning foreign/second languages.

### 3.5 Population

The study chose the University of Buner as the main population to assess the effect of ChatGPT on English language learning among undergraduate students. Based on the University's noteworthy status as a notable educational institution in the Buner district, with a diverse range

of students from various backgrounds, this decision was made. Participants who were English language learners provided a pertinent and targeted sample that could offer insightful feedback on how well ChatGPT improved their language skills or abilities. Individuals who didn't fit the requirements or declined to participate were excluded from the study to maintain the study's integrity and to uphold the strict standards of research ethics.

### **3.6 Participants or Sampling**

115 undergraduate students from the University of Buner's various departments were carefully chosen for this study. To ensure diversity in the sample, the selection process took a careful look at variables like age, academic standing, and field of study. The information from 100 participants was used to produce the final results after the data was thoroughly analyzed. There was a significant gender imbalance in the sample, as only 26 out of the 115 participants were female. The participants were conveniently chosen based on the researcher's accessibility; it should be noted. This indicates that the participants were picked based on their interest in and availability for the study. Despite using a convenience sampling method, the researcher upheld the highest ethical standards and made sure that participants were made aware of the rights they had before participating in the study.

### **3.7 Ethical consideration**

Research designs and procedures are governed by ethical principles, which take into account issues like informed consent, informed participation, anonymity, confidentiality, potential harm, and results communication (2020, Scribbr). The safety and welfare of the participants were given the utmost consideration during the planning and execution of the study. Every possible risk associated with their participation was carefully identified, and steps were taken to reduce it. In-depth information about the study and the participant's rights, such as the freedom to leave the study at any time without repercussions, was also provided. As a result, they had full control over their participation in the study and were able to make an educated decision about it.

### **3.8 Data Presentation**

You can count on a thorough analysis of the research's findings in the chapters that follow. To provide a thorough and detailed interpretation of the results within the context of the research questions and objectives, the presentation will incorporate charts, tables, analysis, and descriptions. This strategy will enable a more thorough and insightful analysis that will highlight the important findings and implications of the study, facilitating a better understanding of the subject.

### **3.9 Limitation**

Consideration must be given to several research limitations. First of all, the study's sample size is constrained to the University of Buner undergraduate English language learners, which may limit the findings' applicability to a larger population. Additionally, the study mainly considers ChatGPT's effects as a technological tool while ignoring other possible variables that might affect how well English language learners perform. Finally, the research acknowledges how quickly technology is developing and how this could eventually make the specific ChatGPT model used in this study obsolete or less useful.

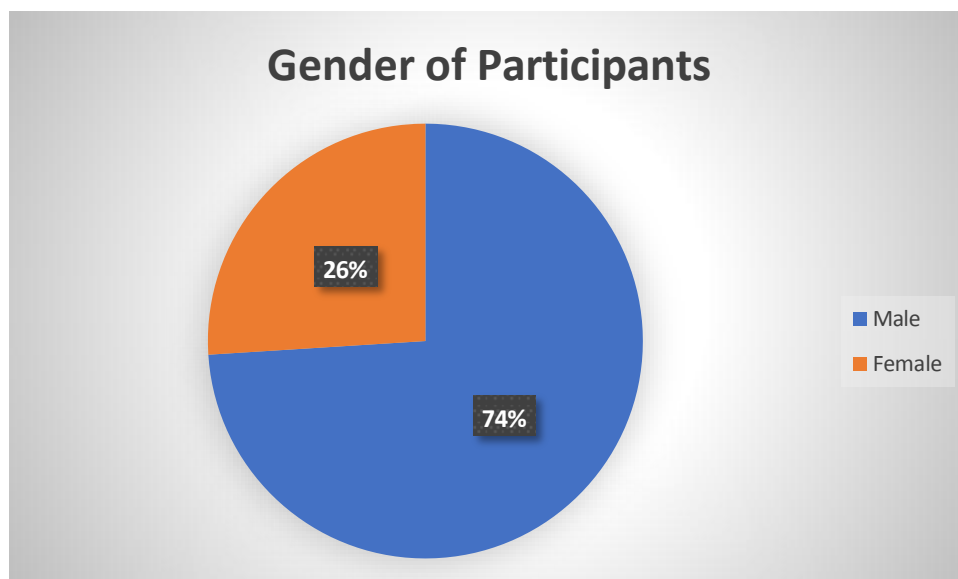
The research methodology, we used to assess the effects of ChatGPT, on undergraduate English language learners across multiple departments at the University of Buner are covered in detail in this chapter. We carefully considered our research methods to gather and analyze information that would not only allow us to make well-founded conclusions but also deepen our comprehension of how technology specifically ChatGPT affects English language learning.



We hope to gain a thorough understanding of how ChatGPT can benefit students' language learning experiences through this research.

### ANALYSIS AND DISCUSSION

According to the findings of a study conducted to evaluate the impact of ChatGPT on the English language skills of different students at the University of Buner, it was found that a notably higher percentage of male participants (74%) were involved in the study as compared to their female counterparts (26%). This very small number of female participants in the study indicates that women at the University of Buner do not extensively utilize ChatGPT for language learning purposes. The limited number of female respondents highlights the need to investigate the underlying factors that might be discouraging women from utilizing ChatGPT to improve their English language skills. Further research in this area could help identify and address the barriers faced by female learners, ultimately promoting gender equity in language education.



*Figure. 4.1 Gender Participant*

When analyzing the findings of the data, the researcher combined three Likert scale options. when it comes to using ChatGPT for English Language learning, the responses "sometimes," "often," and "most of the time" are all grouped as one option. "Never" and "rarely", on the other hand, were not taken into account because they represented a different perspectives. Furthermore, in order to analyze the effect of ChatGPT, the researcher chose to group the responses "somewhat agree," "agree," and "strongly agree" into one option. The responses "strongly disagree" and "disagree" were excluded from the analysis because they represented opposing viewpoints. The researcher was able to present the data in a more accessible and easy-to-interpret format by combining Likert scale options while keeping the original responses intact.

#### **Table 4.1**

*Use Of ChatGPT In Language Learning Process*

How frequently do you use ChatGPT?	Percent value	ChatGPT inspires me to take an active role in my English language study.	Percent value
Never	0	Strongly Disagree	1.0
Rarely	23.0	Disagree	18.0
Sometimes	2.0	Somewhat agree	1.0
Often	59.0	Agree	68.0
Most times	16.0	Strongly Agree	12.0

Table 1 present the information gathered regarding ChatGPT usage and its impact on English learning learning process. The findings of the data allowed for a thorough understanding of how ChatGPT affected the language-learning processes of the participants. The majority of participants (77%) stated that they use ChatGPT for language learning. Furthermore, 81% of them said ChatGPT was helpful in their English language learning process.

AI-powered language learning tools, such as ChatGPT, are gaining popularity as a way to improve users' language learning experiences. ChatGPT's ability to personalise the learning experience has been critical to its success. Because it can process natural language, the tool can tailor feedback to each user's specific needs, increasing learning efficiency and effectiveness. ChatGPT is a popular tool for learning English as a second language. This tool is popular among language learners because it provides customized feedback, responds to the user's needs, and customizes the learning process. A language learning tool powered by AI like ChatGPT could revolutionize language instruction, as demonstrated by its popularity.

**Table 4.2**

*The Use of ChatGPT for Learning Grammar Skills*

How frequently do you use ChatGPT to improve Grammar skills?	Percent value	The answers provided by ChatGPT has improved my grammar skills.	Percent value
Never	0	Strongly Disagree	0
Rarely	25.0	Disagree	23.0
Sometimes	7.0	Somewhat agree	3.0
Often	62.0	Agree	65.0
Most Times	6.0	Strongly Agree	9.0

In Table 2, the study's results demonstrate ChatGPT's efficacy in learning English grammar among students at the University of Buner. According to the data, 75% of students have used ChatGPT to learn English grammar, showing the app's popularity and dependability.

According to the results, (77%) of them believe that ChatGPT has greatly improved their grammar skills, which shows that the program has been widely adopted as well as successful. ChatGPT has a positive impact on students across departments, lending credence to the notion that it can be a useful tool for students of various disciplines to improve their grammar skills. ChatGPT specifically assisted students in the humanities, social sciences, and natural sciences in improving their grammar skills.

As a result, ChatGPT may be a useful tool for meeting the learning needs of a wide range of students. Students also favour using ChatGPT to improve their grammar skills, with only a small minority disagreeing. ChatGPT is clearly popular among the University of Buner students. As no students were vehemently opposed to using ChatGPT, this suggests that it is widely regarded as a successful and beneficial tool for honing grammar skills.

According to the data, ChatGPT appears to be a popular and effective teaching tool for students at the University of Buner looking to improve their grammar. Based on the data, ChatGPT may be a versatile and reliable tool that can meet the educational needs of students in a variety of subjects.

**Table 4.3**

*The use of ChatGPT for enhancing vocabulary*

How often do you use ChatGPT to enhance your vocabulary?	Percent value	ChatGPT has helped me in enhancing my Vocabulary.	Percent value
Never	0	Strongly disagree	1.0
Rarely	16.0	Disagree	24.0
Sometimes	4.0	Somewhat agree	4.0
Often	53.0	Agree	55.0
Most times	27.0	Strongly agree	16.0

Table 3 present how English language learners at the University of Buner use ChatGPT to improve their vocabulary and how it affects their ability to learn English vocabulary. According to the data, 84% of students use ChatGPT to improve their English vocabulary. ChatGPT has proven to be extremely beneficial in assisting English language learners and facilitating their learning. Respondents' responses were overwhelmingly positive, with no problems encountered while using ChatGPT. It was simple to use, user-friendly, and successful for enhancing students' English vocabulary. 75% of the students who took part in the study said ChatGPT helped them learn English vocabulary quickly. It improves the efficiency and effectiveness of the learning process by offering personalized and context-specific solutions. ChatGPT has proved extremely beneficial to students who struggle with traditional English vocabulary study.

According to the findings, ChatGPT is a great and reliable method for increasing learners' vocabulary and improving their learning experience. It is clear from the findings that AI-powered tools are effective in helping language learners and that ChatGPT has the potential to



revolutionize the way we learn languages.

**Table 4.4**

*The use of ChatGPT for learning smooth and effective communication in English.*

How frequently do you use ChatGPT for learning smooth and effective communication in English?	Percent value	After using ChatGPT, my confidence level in communicating in English with others has increased.	Percent value
Never	12	Strongly Disagree	6.0
Rarely	18.0	Disagree	25.0
Sometimes	9.0	Somewhat agree	7.0
Often	48.0	Agree	51.0
Most Times	13.0	Strongly Agree	11.0

Table 4 shows how often students use ChatGPT to improve their English communication skills. The results show that a sizable majority of participants experienced increased confidence as a result of using ChatGPT for English communication. Out of the 100 students who took part in the study, an astounding 70% said they use ChatGPT to improve their communication skills in English. This result shows how effective the AI-powered assistant is at offering learners helpful direction and advice. Additionally, the study found that after using ChatGPT, 69% of students said their confidence in conversation in English had increased noticeably, underscoring the crucial role that this tool plays in advancing language learners.

**Table 4.5**

*Using ChatGPT for correct pronunciation*

How often do you use ChatGPT for the correction of pronunciation?	Percent value	Most of the time ChatGPT has provided me a reliable pronunciation.	Percent value
Never	4.0	Strongly disagree	3.0
Rarely	30.0	Disagree	34.0
Sometimes	10.0	Somewhat agree	5.0

Often	44.0	Agree	49.0
Most times	12.0	Strongly agree	9.0

Based on the results shown in Table 5, most students (66%) who took part in the study used ChatGPT to improve their English pronunciation. Students can learn how to pronounce English words effectively with ChatGPT thanks to this finding. According to the study, 63% of students who used ChatGPT to learn how to pronounce English words correctly thought it had helped them. The study's findings indicate that using ChatGPT to provide proper pronunciation guidance while learning English has a significant impact on students' ability to pronounce words correctly. By giving feedback on pronunciation and assisting students in identifying areas where they need to improve, ChatGPT can enhance students' learning experiences. Students who are interested in developing their English pronunciation skills can find ChatGPT to be a useful resource. When students use it as a supplement to their language learning, they'll receive immediate feedback and tailored guidance to help them succeed.

**Table 4.6**

*Using ChatGPT for comprehending slang and everyday phrases in English*

How often do you use ChatGPT to comprehend slang and everyday phrases of English?	Percent value	ChatGPT has helped me comprehend slang and everyday English phrases.	Percent value
Never	1.0	Strongly disagree	1.0
Rarely	29.0	Disagree	19.0
Sometimes	8.0	Somewhat agree	12.0
Often	46.0	Agree	55.0
Most times	16.0	Strongly agree	13.0

Results on how the University of Buner students used ChatGPT to understand common phrases and slang in the English language, as well as how well it helped them understand it, are shown in Table 6. ChatGPT is shown to significantly assist language learning procedures according to the findings of a study. According to the findings, 70% of students admitted they used ChatGPT to improve their understanding of slang and typical English expressions. AI-powered technology can assist language learners when it comes to understanding difficult words, according to data. 80% of students who used ChatGPT said it helped them understand slang, affirming the importance of incorporating such tools into language learning. In addition to helping students understand challenging parts of the English language, ChatGPT has helped them develop a deeper understanding of the English language as well. Further, the findings showed that students who used ChatGPT frequently reported higher levels of self-confidence and linguistic competency. This demonstrates how technology is improving both the overall language proficiency and language comprehension of students. The study's conclusions show that ChatGPT is a successful and beneficial tool for language learners. Due to its ability to simplify complex sentences and aid students in comprehending the complexity of the English

language, it has become an essential tool for anyone wishing to improve their language skills.

**Table 4.7**

*Using ChatGPT for improving arguments while communicating with friends and teachers.*

How often do you use ChatGPT to improve your arguments while communicating with your friends and teachers?	Percent value	ChatGPT has helped me to maintain in- depth and logical conversations with friends and teachers.	Percent value
Never	1.0	Strongly disagree	0
Rarely	30.0	Disagree	29.0
Sometimes	14.0	Somewhat agree	11.0
Often	37.0	Agree	52.0
Most times	18.0	Strongly agree	8.0

The research results shown in Table 7 thoroughly explain how much University of Buner students use ChatGPT to hone their arguments when speaking with their friends and professors. The effectiveness of using ChatGPT for this purpose is also highlighted in the table. According to the study, a sizable percentage of students 69% to be exact reported using ChatGPT to improve their arguments while communicating with friends and teachers. Furthermore, ChatGPT enhances students' communication abilities, according to the research. 71% of these students said ChatGPT helped them communicate more effectively. It has been found that ChatGPT is a great tool for honing communication skills and could assist students in developing effective communication strategies. ChatGPT plays a vital role in enhancing students' communication skills by identifying areas for improvement and giving recommendations for improvement. Students can use ChatGPT's language analysis and feedback capabilities to improve their communication skills with friends, teachers, and coworkers. As a result, ChatGPT is a useful tool for students who want to develop their communication skills.

**Table 4.8**

*Using ChatGPT for reading comprehension ability.*

How frequently do you use ChatGPT for reading comprehension ability?	Percent value	ChatGPT has improved my English Reading Comprehension abilities.	Percent value
Never	0	Strongly disagree	3.0
Rarely	29.0	Disagree	30.0

Sometimes	10.0	Somewhat agree	10.0
Often	43.0	Agree	47.0
Most times	18.0	Strongly agree	10.0

Table 8 shows how students utilize ChatGPT to improve their reading comprehension and how this improves their overall reading skills. The study's findings, which included students from the University of Buner, suggest that ChatGPT is a very effective AI tool that can assist students in improving their reading skills. According to the findings of the study 71% of the students use ChatGPT to improve their reading ability. More significantly, the majority of these students (67%) stated that ChatGPT has made a significant difference in their ability to improve their reading skills. Accordingly, the study's conclusions imply that ChatGPT is a highly effective AI-powered tool that can help students get better at reading comprehension. The study's findings may inspire teachers to use cutting-edge tools like ChatGPT to improve their lesson plans and assist students in succeeding academically.

**Table 4.9**

*Using ChatGPT for polishing English writing skills.*

How often do you use ChatGPT to polish your English writing skills?	Percent value	My ability to write in English has boosted because of ChatGPT.	Percent value
Never	1.0	Strongly disagree	3.0
Rarely	34.0	Disagree	25.0
Sometimes	6.0	Somewhat agree	15.0
Often	46.0	Agree	49.0
Most times	13.0	Strongly agree	8.0

For students to effectively communicate their ideas and thoughts in writing, they must possess the skill of proficient writing. Data from Table 9 show that a sizable portion of students have chosen to use ChatGPT to improve their writing skills, and these students have benefited significantly from this tool. 65% of participants said they frequently use ChatGPT to hone their writing abilities, and 72% of them said ChatGPT significantly improved their writing skills. The findings of the study show that ChatGPT significantly influences how well students write. The results also show that ChatGPT has a significant impact on students who use it for writing, as a large percentage of them claim that ChatGPT has helped them become more proficient writers. Students' writing abilities have greatly improved because of ChatGPT's capability to offer feedback and recommendations in real time. Instant feedback helps students better understand their strengths and weaknesses so they can concentrate on what needs improvement. Students' creativity and critical thinking have also been sparked by ChatGPT's feature that offers writing prompts.

ChatGPT is an excellent resource for students who want to develop their writing abilities. Every student looking to improve their writing skills should have it in their toolbox because it offers

immediate feedback, suggestions, and writing prompts.

**Table 4.10**

*Using ChatGPT to improve English speaking skills.*

How frequently do you use ChatGPT for learning English language speaking skills?	Percent value	I believe ChatGPT has a noticeable influence on my spoken Skills.	Percent value
Never	5.0	Strongly disagree	3.0
Rarely	59.0	Disagree	58.0
Sometimes	10.0	Somewhat agree	9.0
Often	22.0	Agree	23.0
Most times	4.0	Strongly agree	7.0

The study in Table 10 analyzes ChatGPT's usage and effects on the English language proficiency of students at The University of Buner. Only 36% of students claimed to have used ChatGPT for this purpose. Only 39% of these students said ChatGPT improved their speaking skills. In contrast to other aspects of language learning, ChatGPT is not commonly used to enhance speaking abilities. In addition, some students reported that ChatGPT helped hone their speaking abilities. It appears ChatGPT can still be useful even though it may not be widely used for speaking skills. Also, the results emphasize the need to investigate factors contributing to ChatGPT's low usage for speaking abilities and to develop strategies for promoting its use.

### CONCLUSION

The results of this thesis provide a thorough analysis of ChatGPT's impact on the University of Buner's English language instruction. The results demonstrate that ChatGPT has developed into a powerful and versatile tool that students utilize extensively in a variety of language learning scenarios. It works well to improve writing abilities, vocabulary growth, communication confidence, pronunciation, comprehension of everyday language, and, to a lesser degree, speaking abilities. One of ChatGPT's key benefits is its ability to personalize the learning process. It considerably increases the usefulness of the product by tailoring feedback and suggestions to each user's unique needs. More research is needed to determine how ChatGPT can improve speaking abilities, even if it has performed exceptionally well in the majority of language acquisition domains. Its uncommon usage in this setting indicates that specific interventions and tactics are needed to encourage its adoption and optimize its benefits for spoken language competency. To sum up, ChatGPT has proven to be an invaluable partner for University of Buner students in their pursuit of language mastery.

Its widespread use and positive benefits on a range of language proficiency levels attest to its reputation as a revolutionary instrument in the field of language instruction. With the development of technology, ChatGPT and other AI-powered applications hold great promise for accelerating language acquisition and assisting students in becoming more fluent and confident speakers of English.



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