

Students' Perceptions on Writing Activities by Using Padlet Application

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Abstract. The purpose of this research determined students' perception of the use of the Padlet application through writing class activities. Padlet is a learning tool of technology in the Industrial revolution 4.0 and the education sector to make the learning process more interesting. Padlet is a free web-based app that offers a "wall" that allows users to post words, photographs, and clips that anyone with the link or address to the particular wall can view, and the web allows you to create a virtual wall. It also has become popular since one of the applications which have supported teaching and learning activities in and out of the classroom. The study applied a qualitative research design. The data was collected through observation and interviews with 30 students of Junior High School in Medan. Based on the researcher's interview, all of the data was analyzed descriptively to describe students' perspectives. The researcher offers some questions from the interview questionnaire that pertain to the use of Padlet through writing class. The research's finding is based on the student's positive perceptions towards using Padlet, students agreed that accessing and using Padlet is simple than traditional writing activities, in writing practices Padlet is appealing due to its features, and using Padlet for writing practice is more enjoyable, and improve their writing skill in the learning process and with Padlet can develop their creativity in writing class. The implication of padlet in writing activity is the students experienced increased beneficial outcomes.

Keywords: Padlet, writing class, students' perception

1 Introduction

The rapid expansion of technology had affected the learning-teaching strategy in the twenty-first century. Students' language learning methods have had an impact by various new the expansion technology conjoined in education as the new teaching method. As confirmed by (Grégoire, 1996) Teaching-learning methods that incorporate technology into education were found to be crucial in enabling active classroom instruction and developing students' inventiveness and problem-solving abilities [17]. Since technology has become popular in the educational field, technology is used in all aspects of teaching and learning. Technology in education denotes digital tools or software that aid in classroom instruction. It also makes the whole process more likable and cheerful. (Thomas, 2014) confirmed that technology,

particularly learning tools, can help students regenerate their critical thinking skills [34]. Even if the learning is not for classroom management, online learning is available. For example, According to research, technology in the form of voice note features, audio/video calls, SMS, WhatsApp status, stickers, Gifs, photos, and videos is an application that is used as a supporting feature to overcome learning barriers in the sophisticated era, especially when it comes to online learning [10].

Furthermore, Information and communication technology (ICT) is used to organize teaching for web-based learning. According to Al-Ansi, a comprehensive system enables pupils to obtain all necessary teaching- throughout the learning process efficiently [5] [29]. The output of the learning program is also not opposed to classroom lessons. The online education system is created by electronically sharing information and activities through computer-based media. Several studies have shown that using technology makes the learning process easier including English subjects [38]. It leads the learning and teaching process more interesting. One, such as the research by Yunus & Salehi that technology used in teaching makes the learning process easier than before; (Fageeh, 2011) than driving a shift from a teacher-centered to a student-centered model for activities of education and learning [38]. Additionally, the learning process has increased, making it far more productive & entertaining (Baharuddin & Badus, 2016).

Padlet is one of them. As an integration of technology in learning a language, Padlet is an excellent tool for the teaching and learning process [27]. The platforms allow teachers and students to submit comments to the Padlet wall, provide notes with linkage, sound recording, multimedia, images, and other files to connect, and enhance students' interest whether that is indoors or out of the classroom and promoted pupils' participation whether it is outside or inside the classroom [26] [15]. Following Padlet allows users to create visually appealing learning materials, such as posting performance visual content from YouTube, where in the educator can then share on the Padlet wall [32]. Furthermore, the teacher can administer a few practice tests to help learners understand Kahoot-created course material, and run game pages and pins that can be posted to the Padlet window. As a result, Padlet can be combined with other digital tools to improve teaching-learning activities by providing various electronic learning to encounter learning goals [6] [4]. Several studies have reported that Padlet is a helpful tool in the learning process in writing activities. According to the study results by Awaludin et al., 2017, Padlet has improved understanding of the college students in achieving strong writing performance. Lestari (2017) also supports it, stating that participation in the class activity on Padlet has been shown to increase the writing skill of non-English speaking pupils. However, the previous study has investigated that using a padlet in the learning process improves students' activity in the classroom. As reported (Noviyanti, 2020) the early research, was based on the result that padlet can improve Japanese composition (Sakubun). Can help the process of learning Sakabun in Japanese writing essays furthermore can assist the students in writing activities. Contrary to (Bona venture& Kim Hua, 2021) who investigate the teacher's perception of using padlet in writing assessments, the result stated that using Padlet in the writing classroom was discouraging and frustrating to the students, due to students not understanding how to use the padlet. This gap has led the researcher to further investigate. Even though the previous study has shown the influences of padlet in the learning process, investigating how students' perception of using padlet in writing activities is also needed to fulfill the new empirical of the applications' effectiveness, and influence in the learning process particularly in English writing activities.

2 Literature Review

Perception

The study using the theoretical framework based claims that organizing, identifying, and interpreting sensations to create mental representations is perception [28]. Attitudes and perception are inextricably linked (Lindsay, 2012) The process by which life forms perceive and assemble senses to produce a memorable experience of their surroundings is known as perception. Perception, according to Borger, and Robert, is the process by which an individual produces approaching sensory information to come to a destination that could amaze those around him [8]. Perception, in other words, is the process of deciding on, arranging, and interpreting sensory data that can be effective in the environment. In the meantime, perception can be linked to dynamic behavior that is changing all the time. It denotes a person's habit system being influenced by their perception.

According to Pickens, there four stages of perception are stimulus, identity verification, entity, and inference [24]. The degree to which a person is aware of and accepting of inputs affects how they perceive things. A perception process is influenced by a person's understanding and acceptance of stimuli. Pre-existing ideologies, attitudes, inspiration, and personal traits can all influence one's receptivity to stimulation [7]. Someone will choose stimuli that meet their essential needs (perceptual vigilance) while ignoring sensory inputs that cause anxiety (perceptual acuity) (perceptual defense).

Writing Skill

To produce optimal written communication, writing is a language skill that requires the use of knowledge to build language. According to Brown, writing is a type of depiction of an item that generates an idea, structure, and modification procedure and requires specific abilities from each person [9]. Writing is done in the traditional classroom through teacher-centered learning, which means that students write on a specific topic, and then the teacher evaluates their writing. Finally, only their teacher provides feedback to students while in an internet-based writing environment, students can communicate with their classmates as well as their teacher [37]. Furthermore Writing is a process and product-oriented skill. According to Brown, when a teacher introduces writing, it is not just about the outcome, such as a paragraph, note, or story, but more about how to write well [9]. (McDonald, 2002) The writing process consists of three stages: pre-writing, drafting, and re-writing. (Richards, 2002), defines the writing process as having four stages: making plans, composing, revising, and editing.

In the writing learning process, padlet allows students to have immediate access to a wide range of responses from classmates, they may be able to engage in peer learning and self-assessment. Padlet was found to improve teacher-student relationships, increase motivation and self-esteem, and provide the educator with an alternative mode of interacting with pupils outside of the classroom in a comparable investigation using a workplace communication course [13]. Since Padlet is an available web-based app that allows users to create "walls" where they can post words, photos, and even video files that anyone with the connection or address to the particular wall can view, and the web allows you to create a virtual wall [12]. These virtual walls function similarly to a whiteboard where we can write something or an announcement board where we can pin things like pictures and files. Students can use Padlet to comment on their friends' or teachers' posts, produce private or public online walls, share data, and share documents such as pictures, slideshows, and files.

2 Method

2.1 Research Design

This study was conducted by applying descriptive qualitative research to get data from participants. According to (Anleu, 2005) qualitative research is a scientific research method for gathering specific information about values, opinions, social context, and behaviors. And aimed to describe the characteristics of current situations, forming opinions, significant impact, and active processes or developments that stimulate society [33].

2.2 Participants

Here 5 questions were given to the 30 participants to get data, the participants were pupils who learning English as one of the program studies in senior high school in the second semester of the 2021/2022 Academic Year. The participants were from class VII MTs Al-Mahrus of North Sumatra with the criteria were: 1) Having used Padlet in English writing activities, 2) Having 30 students in the class to get more reliable data. They consisted of 18 women and 12 men, who had used padlets in learning English, especially writing classes in the second semester, so that they could explain or express their thoughts clearly because they were familiar with the relevant technology. 30 respondents utilized Padlet to practice writing and provided comprehensive answers. The online interview was conducted using a Google form that requested personal information from respondents as well as their attitudes toward the use of Padlet. And the interview was made up of five questions. (see the first table.).

Table 1. Interview Questionnaires

No	Question	Yes	No	Reason
1	Would be Padlet simple to access and use?			
2	How would you think that using a padlet in writing class is more relish than the traditional way?			
3	Do you think using padlet increases your interest in writing class?			
4	Do you think using a padlet makes the material easy to be accessed?			
5	Does padlet improve your writing over equipment that you apply? (text site, picture, multimedia, audion, and comments)			

2.3 Instruments

This research put on a questionnaire adapted from Deni and Zainal to learn how the Padlet application can support teaching activities and increase students' interest in writing class the

questionnaire inclusive of two yes-no questions, two yes-no questions with explanations, and one open-ended question [12]. The questions sought students' opinions on the use of the web in writing activities in the class.

2.4 Procedures

There are five stages: 1) monitoring the research issue, 2) getting ready for a collection of data by creating a questionnaire, 3) collecting data 4) carrying out analysis data, 5) processing of data 6) coming up with an interpretation and a conclusion.

2.5 Data Analysis

The researcher used when analyzing data, there are three steps to consider: data reduction, data display, and verification or conclusion. Those steps for data analysis were adapted from (Miles, 1994). The research questions were used to identify the data. Second, the results of the text-based interviews include an explanation of students' perceptions of the use of Padlet in writing activities. The study's conclusion was finally reached.

3 Findings

In this section, the researcher presents the findings of the student's perceptions of the use of Padlet as an instructional platform. The study's findings include the students' responses to the interview given to 30 students of Junior High School in Medan. The students have experienced using Padlet in writing class.

Table 2. Students' Perceptions of Padlet Use and Students' Increased Interest in Writing Class Activities.

No	Question	Yes	No
1	Would be Padlet simple to access and use?	100%	-
2	How would you think that using a padlet in writing class is more relish than the traditional way?	92%	8%
3	Do you think using padlet increases your interest in writing class?	100%	-
4	Do you think using a padlet makes the material easy to be accessed?	96%	4%
5	Does padlet improve your writing over the equipment that you apply? (text site, photo, multimedia, audion, and comments)	89%	11%

Data from table 2. Showed the students' perspectives on the use of Padlet in the writing course According to the data presented above, all students agreed that Padlet is an easy-to-use platform for online writing class activities. It can be seen from their reflection on the question of whether or not students prefer using Padlet as a tool for online learning. The application of Padlet application media was successful in improving the writing learning process. This occurs because the Padlet application incorporates mobile phones into classroom learning. Students enjoy using mobile devices. One of the characteristics of the 4.0 era is a preference for technology. As a

result, the application of Padlet with media in writing instructions makes students enjoy learning and provides them with a new experience. Furthermore, Padlet is flexible and can be accessed anywhere and anytime, they can access it from a smartphone, gadget, laptop, end, etc without downloading applications on their smartphone even though it is also a free web. Only click the students can log in and collaborate on one homepage. Padlet is a great alternative for closing the study gap in online learning.

The students also agreed that Padlet produces material easily accessible and allows them to create their writing, which increased their motivation to write on the wall in writing class. Each question in the interview section had its results determined by calculating using a percentage. The findings of this study will be summarized in adaptability to the research questions listed in the table below. The findings include a questionnaire about students' perceptions of using Padlet in issues 1-3, as well as their perceptions of writing improvement and enthusiasm in writing classroom activities in questions 4-5.

4 Discussion

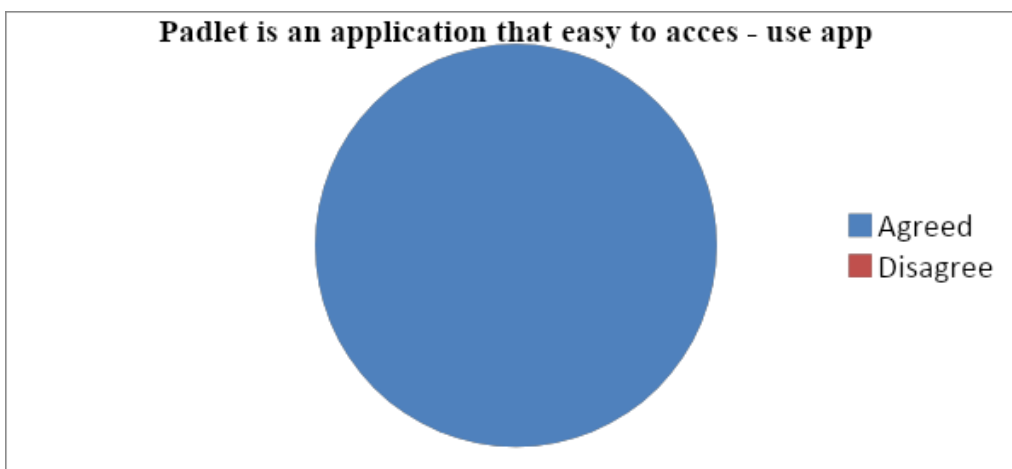
Students' Perceptions of Writing Activities by Using Padlet Application

Padlet as a medium for online learning has a positive preference among students. This can be seen in their questionnaire. Based on the findings of the interviews Padlet can assist kids with writing activities. The padlet is easy to use, according to all of the participants. Students respond to the interview questions by illustrating their reasoning. The following is some of the feedback from participants to the first question.

Student A: Padlet is accessible via cellular or laptop. It is straightforward for me.

Student B: I mostly access Padlet in a browser instead of downloading the app.

Chart 1. Padlet is easy to access and use

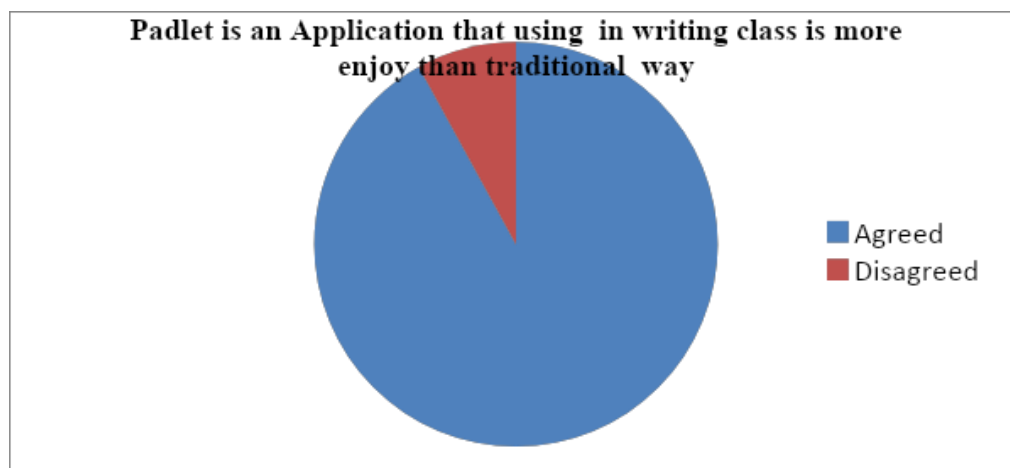


According to students' responses (A&B) to question 1, the Padlet can be opened with a cellphone or laptop and all types of electronic devices, as well as the findings of (Susanti & Ayuni, 2018) research that all electronic devices can be applied by students, teachers, and students to register and log on to web Padlet while the device is connected to the internet. In addition, the students stated that the Platform is very simple because they do not need to download the application and instead use the Padlet via the website, but some of the students still use the application. As a result, for Padlets to guarantee that students, the connection must be steady.

In the following query, the second question, the majority of students stated that they preferred learning in writing activities using a padlet over traditional methods because the padlet provided attractive displays to explore their ideas and was simple to use, while the least of them still have difficulty opening the padlet and require guidance in using the padlet. Student C stated that the padlet's features are very simple, making it easy to use without any guidance. Meanwhile, student D stated that when he used one of the padlet's features to embed files, it was quite confusing without the assistance of other people's techniques or the teacher. As stated in the response below: As the response below:

Student C	Students claimed that ever since I first started using Padlet they've had no trouble understanding how to use it.
Student D	I was still having trouble before I got the teacher's explanation, more so when I attempted to attach the file. It makes it more enjoyable than the traditional way.

Chart 2. Padlet is an application that using in writing class is more enjoyable than the traditional way.

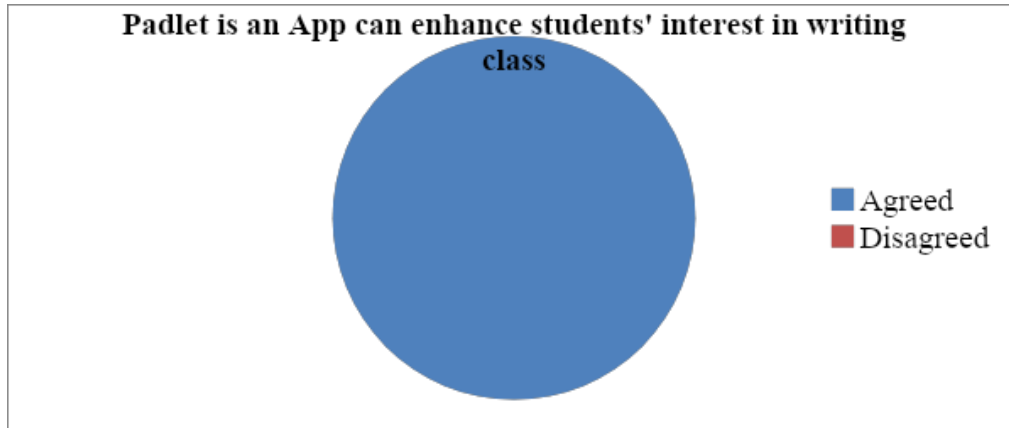


This contradicts previous research that agreed padlet is a simple online platform for students learning to write. It is adequate to operate the padlet with just one click of a button on each of the features provided, for example, in making wall designs, incorporating a few images, clips, or web pages into essays, even if a few students may have some difficulty, they can surmount it themselves after learning it from the teacher or peers. Furthermore, padlet are well integrated; using padlet in writing activities allows students to freely share their ideas.

Students, like a statement, can immediately see every suggestion compiled on the teacher's platform. (Ahmad et al., 2022) Padlet can help them collaborate on a single homepage. Students can also take part in written or oral discussions. The Padlet homepage is also organized by the teacher. There is only one homepage for each topic. The teacher then reveals to the students the subjects, goals for learning, resources, and assignments. Students can participate in continuing education practices that resemble head instruction in the classroom. Thus, incorporating padlet into writing activities increases student deal in the learning process. The following are some of the reasons given by the students:

Student R	Padlet's features that allow you to link to the U tube make it easier for me to comprehend the information, and material and stay interested in the learning process.
Student I	Padlet can be used for a variety of learning activities, and it is particularly enjoyable for writing.

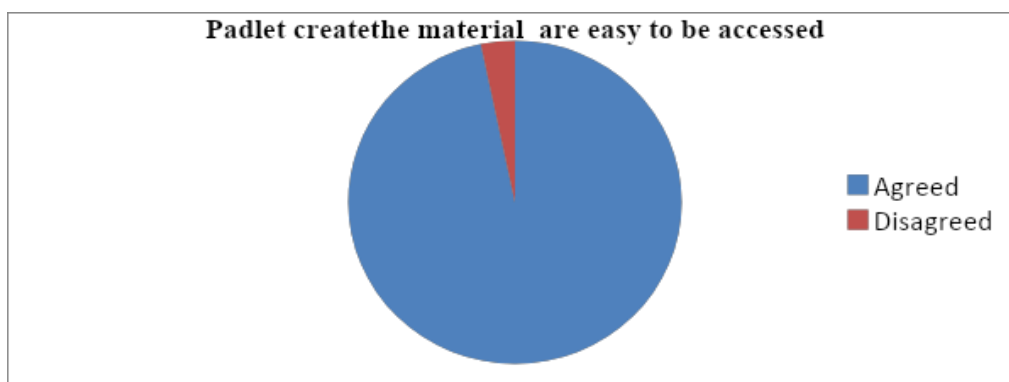
Chart 3. Padlet is an Application that Can Enhance Students' interest in writing class.



Padlets, as stated by student R, can be linked to YouTube or other platforms to serve media in learning to write, while student I stated that padlet can be used in all types of learning to entice students to use Padlet students in writing assignments. According (to Dewitt et al., 2015) the platforms can also be used for simple and complex instructional tasks. According to the statement above, Padlet is the most popular website for online education. The majority of students concur that using Padlet to practice writing can improve their writing skills. Padlet's straightforward design makes it easier and more appealing how to write exercises. Additionally, they can participate in an interesting learning procedure by using the Padlet feature. As a result, they can take lessons on their own by making use of the features offered.

Students' perceptions of how writing activities have increased their interest

Chart 4. Padlet is an Application that Makes the Material Easy to be Accessed

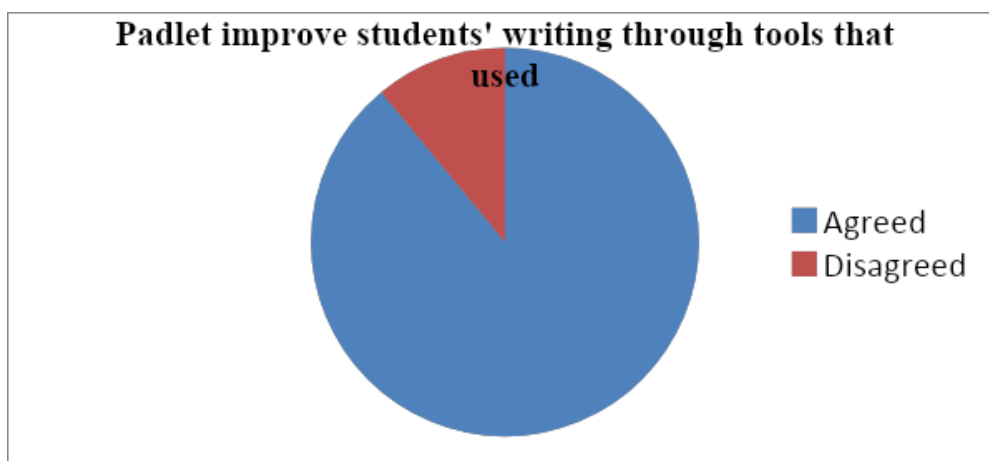


According to the results of the questionnaire responses to questions 4 and 5, which were summarized through interviews with students, The majority of students agreed that using a padlet made the material easily accessible. On the other hand scrimp of some students disagree. They are perplexed as to how to access the provided material, particularly Padlet, if the network or signal is unstable, which is a limitation of using this application. While the students who agreed stated that Padlet is a learning application, it also allows for flexibility in learning. Use a cellphone, laptop, or another device to gain access from anywhere.

According to (Susanti & Ayuni, 2018) teachers and students can register to use the padlet by using any electronic device that has an internet connection. The material is simple for students to grasp. Materials are also readily available. Padlet also provides a new learning experience, so students want to use the Padlet application for more than just learning to write texts. Furthermore, students are encouraged and want to use the Padlet application in other areas of learning. Furthermore, according to (Sari, 2019) the Padlet application can get students interested and motivated in learning. The following are some of the students' opinions:

Student M	Padlet is a very fun and easy application for writing activities, easy to be accessed and it makes me enthusiastic, motivated, and interested in the learning process.
Student N	Padlet offers a new learning experience, so I know the Padlet platform is not only for learning to write texts but padlet can also be used for other types of learning and are very easy to access and found much information.

Chart 4. Padlet is an Application that Makes the Material Easy to be Accessed



The fifth question asked students if the Padlet increased their writing skills during the learning process. According to the results, the majority of students said Padlet increased their writing skills and gave them the confidence to write after using it as a learning medium. On the other hand, less than 12 percent of students said they still lacked writing confidence. However, the students accepted that Padlet can help them develop their creativity. Students who agree say they can freely create creative ways to write using features like photos, links, videos, audio, and comments. Students reveal that writing that consists solely of words is tedious. While the Padlet makes learning more enjoyable for students by presenting various materials such as videos, pictures, and powerpoints in the padlet, it also provides flexibility in learning and increases student enthusiasm for learning.

According to (Reka Ramachandran & Maria Mahmud, 2018) it testified to be a versatile tool used by educators to plan professional development sessions and facilitate group projects because teachers and students could split notes, photos, videos, and audio clips. According to (Wood, 2016) Padlet users can also add multiple photos, links, audio, videos, and so on to feel lavish in writing a good product. Because teachers and students can split notes, photos, videos, and audio clips, (Padlet) proves to be a versatile tool used by educators to plan professional expansion sessions and facilitate group projects. This demonstrates why students respond positively. The following are some student perspectives.

Student S	A wordless essay or piece of writing is tedious. Giving attachment can aid in the development of our creativity. This is another advantage of Padlet; our essays will be more appealing, and readers will be able to experience and assume our essays as more actual.
Student V	Padlet's presentation of various materials such as videos, pictures, and PowerPoint improves my writing and expands the ideas in my head, and makes the learning process very fun.

Based on these findings contradicts the prior study (Bonaventure & Kim Hua, 2021) stated that using Padlet for writing classroom was discouraging and frustrating for the students, due to students did not understand how to use the padlet make them not engaged. Whereas it can be proven based on students' perceptions that the implementation of the Padlet application was deemed successful. Students are joyful, enthusiastic, passionate, and engaged in the learning process. Furthermore, according to (Munsi, 2019) Padlet's prominent features allow learners to enjoy learning much more. Among them are the text writing exercise feature, the comment feature, and the message feature. ; supported with Pupils perceive that using Padlet increased their enthusiasm, fostered student relationships and collaborative learning, and improved the learning process for English writing, (Erito, 2022). For that, the prior study has been refuted by the results of this study, that a small percentage of students agree that they are not able to operate the padlet, and students have difficulty only if they are not guided by the teacher in operating it, but when students are guided slowly and patiently, the fact is that students will easier to follow and the learning process can run with fun, it is easier to understand the material and students have enough time to write in class.

In addition, the padlet application used in the learning process improves students' ability to write English. Based on the results of the study, it is known that the writing produced has been declared to be increasing in terms of mastery of vocabulary, function, grammar, orientation, and continuity in writing, padlet is proven to be effective in improving students' writing skills. In more depth, the application of the padlet can also contribute to student learning readiness. Students collaboratively learn the steps of writing correctly and from the start, they realize the joint task that must be done. Either through links placed in the padlet window or instructions via videos or images. Concepts like this are as if students have received a preliminary assignment before they complete an independent task in the actual writing. The existence of writing activities using padlet as a tool in the learning process provides students with better learning readiness than students who study monotonously so that students do not understand the learning tasks that must be done (Kim & McDonough, 2011; Sangeetha, 2016).

So it can be seen from the results of the student's perception in this study that it can be proven that padlets are very useful for the development of meaningful learning both in writing classes and other subjects such as previous research, besides that they can form a person's professional. (Patton, Parker & Pratt, 2013; Kostianen, et al., 2018) and the use of padlets also has a very important role in student performance. Padlet as a digital application has made it easier for students to organize their ideas in writing to be more structured and organized and make it easier for them to work (Toti & Abahussain, 2018). This factor makes students prefer to work through padlet rather than working without digital application support (Anwar, Nugroho, & Nurhamidah, 2019). This condition is in line with other studies that have proven that students' perceptions of padlets as learning media are very positive, which means students are happy if padlets are used in the online learning process (Vasques, 2020). Furthermore, (Fisher, 2017) Also found that Padlet in writing activities has other advantages. The advantage is that through the padlet students can do a self-assessment so that they can find what weaknesses should be improved and what advantages must be maintained. In addition, writing activities based on padlet also allows for a very positive peer assessment of the process and product of writing (Abdulaziz, 2021). In several studies, it has also been proven that padlet can be used as a writing assessment instrument (Ramachandran & Mahmud, (2018); Jong & Tan, 2021).

5 Conclusion

The goal of this research was to find out what students thought about using Padlet for writing activities. Padlet, according to the findings of this study in general, since it is a free app that only requires internet access, is simple to access and use. It is accessible from any device, including a mobile phone, computer, or tablet enhancing their writing abilities and interest in the learning process Padlet, according to students, can help them develop their creativity and make writing activities more enjoyable. Padlet can make traditional learning more interesting and enjoyable. Padlet has unique features that make learning and teaching more enjoyable. The implementation of Padlet in writing class resulted in increased students' motivation and beneficial outcomes for student.

References

- [1] Anwar, C., Nugroho, K.Y., & Nurhamidah, I. (2019) Students' Perception of the Use of Padlet in Linguistics Class. *Noyion: Journal of Linguistics, Literature, and Culture*. 1(1). 35-41
- [2] Abdulaziz, A.A.S. (2021) The Effectiveness of Self and Peer Assessment Using Two Online Platforms (Padlet and Google Classroom) on Enhancing Conversation Skills of Learners of English in Language Centres. Thesis. Department of Curriculum and Instruction (EFL): Faculty of Education, Ain Shams University, Egypt.
- [3] Aneros, N. (2020). Japanese Learners' Perception of Using Padlet in Japanese Composition (Sakabun) Skills. In *International Conference on Language, Literature, Culture, and Education (ICOLLITE)*: Atlantis Press. 499-505
- [4] Ahmad, A., Rubayyi, Y. A., & Eftita, F. (2022). Students' Perception of Online Learning-based Padlet during Pandemic. *AL-ISHLAH: Jurnal Pendidikan*, 14(1), 487-494. <https://doi.org/10.35445/alishlah.v14i1.1095>
- [5] Al-Ansi, A. M., Garad, A., & Al-Ansi, A. (2021). ICT-Based Learning During Covid-19 Outbreak: Advantages, Opportunities and Challenges. *Gagasan Pendidikan Indonesia*, 2(1), 10. <https://doi.org/10.30870/gpi.v2i1.10176>
- [6] Ali, A. (2021). Using Padlet as a Pedagogical Tool. *Journal of Learning Development in Higher Education*, 22. <https://doi.org/10.47408/jldhe.vi22.799>
- [7] Assael. H. (1995). *Consumer Behavior and Marketing Action*. International Thomson Publishing.
- [8] Borger, Robert, and A. E. M. S. (1966). *The psychology of learning*. Penguin Group, 829.
- [9] Brown. (2001). *Teaching by Principles: An Interactive Approach to Language Pedagogy* (2nd ed.).
- [10] Daulay, H., Sukma, E., & Damanik, D. (2022). Using WhatsApp to Increase Students' Ability in English : Teacher's Creativity. 07(01), 35-44.
- [11] Daulay, S. H., & Salsabilla, A. (2022, June). MENELUSURI PROBLEMA PEMBELAJARAN DARING PADA MASA PANDEMI. In *PROSIDING SEMINAR NASIONAL PROGRAM PASCASARJANA UNIVERSITAS PGRI PALEMBANG*.
- [12] Deni, A. &. (2015). Let's write on the wall: Virtual collaborative learning using padlet. *Turkish Online Journal of Educational Technology*, 364-369.
- [13] Dewitt, D., Alias, N., & Siraj, S. (2015). Collaborative learning: Interactive debates using Padlet in a higher education institution. *Turkish Online Journal of Educational Technology*, 2015, 88-95.
- [14] Erito, S. N. P. (2022). Undergraduate Students' Perspective On The Use Of Padlet As a Learning Tool For English Writing. *JELLE: Journal Of English Literature, Linguistics, and Education*, 3(2).
- [15] Fuchs. (2014). The writing is on the wall: using Padlet for whole-class engagement. *LOEX Quarterly*, 7-9.
- [16] Fisher, C.D. (2017) Padlet: An Online Tool for Learner Engagement and Collaboration. *Academy of Management Learning and Education*. 16(1). 163-165. doi: <https://doi.org/10.5465/amle.2017.0055>
- [17] Gregoire, R., Bracewell, R., & Laferriere, T. (1996). *The Contribution of New Technologies to Learning and Teaching in Elementary and Secondary School*. Unpublished
- [18] Jong, B. & Tan, K.H. (2021) Using Padlet as a Technological Tool for Assessment of Students' Writing Skill in Online Classroom Setting. *International Journal of Education and Practice*. 9(2). 411-423. Doi: 10.18488/journal.61.2021.92.411.423. a
- [19] Kostianen, E, et all. (2018). Meaningful learning in teacher education. *Teaching and Teacher Education*. 71(April). 66 -77. <https://doi.org/10.1016/j.tate.2017.12.009>
- [20] Lindsay, 1977. (2012). Attention, awareness, and individual differences in language learning. *Perspectives on Individual Characteristics and Foreign Language Education*, 6-7. <https://doi.org/https://doi.org/10.1515/9781614510932>
- [21] Miles, M. B. (1994). *Qualitative data analysis: An expanded sourcebook*. London: Sage.
- [22] Mishra, L. G. (2020). Online teaching-learning in higher education during the lockdown period of the COVID-19 pandemic. *International journal of educational research*.

- [23] Munsir, M. F. (2019). Padlet dan Trello Sebagai Pemanfaatan Media Pembelajaran.
- [24] Pickens, J. (2005). Attitudes and perceptions. *Organizational behavior in health care. Organizational behavior in health care.*
- [25] Patton, K., Parker, M., & Pratt, E. (2013) Meaningful Learning in Professional Development: Teaching Without Telling. *Journal of Teaching in Physical Education.* 2013 (32). 441 – 459. DOI:10.1123/jtpe.32.4.441.
- [26] Sangeetha, S. (2016) Edmodo and Padlet as a collaborative online tool in Enriching Writing Skills in Language Learning and Teaching. *Global English-Oriented Research Journal (GEORJ).* 1(4). 178 – 184.
- [27] Reka Ramachandiran, C., & Maria Mahmud, M. (2018). Padlet: A Technology Tool for the 21st Century Students Skills Assessment. *Puspendik*, 101–107. <https://doi.org/10.26499/iceap.v1i1.81>
- [28] Schacter, D., Gilbert, D., Wegner, D., & Hood, B. M. (2011). *Psychology: European Edition.* Macmillan International Higher Education.
- [29] Sar, A., & Misra, S. N. (2020). An empirical study to examine the components of technology-enabled distance education affecting students' perception. *Materials Today: Proceedings.* <https://doi.org/10.1016/J.MATPR.2020.10.781>
- [30] Sari, A. B. (2019). EFL peer feedback through the chatroom in Padlet. *LLT Journal. A Journal on Language and Language Teaching*, 46–57.
- [31] Susanti, N. I., & Ayuni, M. (2018). The Students' Perception towards the Use of Padlet in L2 Writing. *International Summit on Science Technology and Humanity (ISETH 2018)*, Iseth, 30–37.
- [32] Syahrizal, T., & Rahayu, S. (2020). Padlet for English odern society. *Kyklos*, . Kyklos, 3-13.
- [33] Scitovsky, T. (1981). The desire for excitement in my Speaking Activity: a Case Study of Pros and Cons on ICT. *Indonesian EFL Journal*, 6(2), 149. <https://doi.org/10.25134/ieflj.v6i2.3383>
- [34] Thomas, J. (2014). Delivery Method and Persistence and performance in EdMedia+Innovate Learning. *EdMedia+Innovate Learning*, 1797–1801.
- [35] Toti, U.S.& Abahussain, M. (2018) Investigating University Level EFL Undergraduate Learners' Attitudes about Padlet: A WebBasedDigital Tool in Reading Classroom University of Chitral *Journal of Linguistics and Literature.* 2(1).10-21.DOI: <https://doi.org/10.33195/jll.v2i1.155>.
- [36] Wood, M. (2016). Padlet a graffiti wall for today" s agricultural teacher.1(2), 31–52.
- [37] Yang, J. C. (2014). Web-based Interactive Writing Environment : Development and Evaluation. *Web-based Interactive Writing Environment : Development and Evaluation Writing represents literacy, and its teaching in the classroom is thus essential to improve students' literacy.* February.
- [38] Yunus, M. M., Nordin, N., Salehi, H., Embi, M. A., & Salehi, Z. (2013). The use of information and communication technology (ICT) in teaching ESL writing skills. *English Language Teaching*, 6(7), 1–8. Doi: <https://doi.org/10.5539/elt.v6n7p1>