



Learn independently using the Padlet application to improve writing skills

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Article Information:

Received May 25, 2024

Revised June 13, 2024

Accepted June 13, 2024

ABSTRACT

This study aims to explore the effectiveness of using the Padlet application to improve writing skills through self-study. Self-directed learning methods are becoming increasingly important in today's educational landscape, with technology acting as a key driver. This study engages students in educational settings to apply independent learning using padlets in developing their writing skills. This research was conducted through a qualitative approach with a classroom action research design. Data collection was carried out through observation, interviews, and document analysis of the activities carried out by students in the learning environment. The results of the study show that the use of the Padlet application is effective in stimulating student learning independence and active participation in the development of writing skills. This app provides an interactive platform that facilitates collaboration, reflection, and feedback between students and other teachers. The results of this study have important implications for the design of learning strategies that encourage student independence and develop writing skills. In addition, this research also highlights the role of technology in creating innovative learning environments and supporting student academic growth. Thus, the application of the Padlet application in independent learning can be considered as the right solution to improve students' writing skills.

Keywords: Padlet Application, Self Study, Writing Skills

Journal Homepage

<https://ejournal.staialhikmahpariangan.ac.id/Journal/index.php/jiltech/>

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How to cite:

Pakaja, M., Ninsiana, W., Fachruzzaki, Fachruzzaki., Yulianingsih, L & Syafei, M. (2024). Learn independently using the Padlet application to improve writing skills. *Journal International of Lingua and Technology*, 3(2), 277–289. <https://doi.org/10.55849/jiltech.v3i2.642>

Published by:

Sekolah Tinggi Agama Islam Al-Hikmah Pariangan Batusangkar

INTRODUCTION

Technology-enabled education has fundamentally changed the learning landscape over the past few decades. Rapid advances in information and communication technology (ICT) (Haldar & Sethi, 2022) has opened the door for revolutionary change (Kumar et al., 2021) in the way we access, transmit and integrate knowledge. Technology-based education involves the use of hardware, software, applications and digital platforms (Ahmed et al., 2022) to improve learning and teaching. This transformation (Correani et al., 2020) has created a new paradigm in education, allowing students and educators to explore and access learning materials in a more interactive, flexible and adaptive way. Education using technology is not only about bringing electronic devices (Arshad et al., 2021) into the classroom, but also about designing more effective and responsive learning experiences based on the characteristics of today's digital generation. The use of technology in education opens up opportunities for distance learning (Brady & Pradhan, 2020), online courses, interactive digital content, and the use of learning tools such as simulations and visualization models that help enrich students' learning experience.

The use of technology in education opens up opportunities for distance learning, online courses, interactive digital content, and the use of learning tools such as simulations and visualization models (Khoda Bakhshi & Ahmed, 2021) that help enrich students' learning experience. It also provides the ability to measure and analyze (Fattahi et al., 2020) student progress more accurately, allowing educators to tailor their methods based on individual needs. However, despite its great benefits, education using technology also raises a number of challenges and questions. How to ensure that technology is used wisely and appropriately in the learning process (Malik et al., 2020)? How do we maintain aspects of social interaction and communication skills development in an increasingly digitally connected learning environment? In this context, research and discussion on technology-based education is becoming increasingly important. This research is not only concerned with the effectiveness of using technology in learning but also with how technology can be seamlessly integrated into existing learning methods (Arabameri et al., 2020).

Review of Literature

1. Padlet Application

Padlet is a web-based collaboration platform (Poghosyan et al., 2020) that allows users to create digital idea boards that can be filled with different types of content, such as text, images, videos, links and notes. It is a flexible tool (Buslaev et al., 2020) Padlets are an easy-to-use tool that allows individuals or groups to work together to visually organize, share, and manage information. Padlets can be used for a variety of purposes including learning, teamwork, brainstorming (Bhatt et al., 2020), presentations, and more. Padlets are commonly used in educational contexts (Oke & Fernandes, 2020) as a tool to collaborate on projects, share ideas, gather student feedback, or present information in an engaging format. Padlet is becoming popular among students, educators, and professionals looking for an interactive (Ianevski et al., 2022) and intuitive way to organize and share information. The platform provides

an innovative and effective way to structure content, facilitate collaboration (Kalinauskaite et al., 2021), and encourage visual thinking in different contexts.

Padlets function as digital idea boards (Deichmann et al., 2021) where users can fill in boxes with varied content. It helps in organizing information, ideas, or learning materials (Marani & Nehdi, 2020) in an easy-to-understand display. Users can invite others to contribute to the same idea board. This enables teamwork and collaboration (Ahmed et al., 2022) in collecting, sharing and managing information together. Padlet can be used as a tool for visual presentations (Brands et al., 2021), users can present information with attractive layouts and combine different types of content to illustrate (Hilt et al., 2021) ideas more clearly. In an educational context, Padlet can be used to create an interactive learning experience. Students can contribute to idea boards with their own responses, ideas or projects, thus encouraging active participation and deeper learning. Padlets can be used to collect responses and feedback from audiences or participants. Users can share their opinions or make comments on specific topics. The benefits of Padlet facilitate collaboration between individuals or groups by allowing them to contribute to the same idea board online. Padlet helps organize (Khoda Bakhshi & Ahmed, 2021) content in a visual way, allowing users to see and understand information more clearly. Padlets can be accessed from multiple devices and locations, allowing easy access and contribution from anywhere. In education, Padlet stimulates interactive learning, allowing students to actively participate and share ideas. Users can create visually appealing presentations with different types of multimedia content. Padlet helps in managing and storing content in a structured manner in one place. Users can quickly provide feedback through comments or reactions on content posted on Padlet.

2. Self-Learning

Self-learning is a learning method (Da'u et al., 2020) in which individuals take full responsibility for their own learning. It involves initiative, self-regulation, and independence in selecting, planning, and taking learning steps to achieve set learning goals (Ma et al., 2021). The function of self-learning (Saleem et al., 2020) is that self-learning helps individuals develop the ability to manage their time, prioritize and take responsibility for their own learning. In self-directed learning, students are exposed to tasks that require independent problem solving, helping them hone their analytical (Veeck et al., 2023) and critical skills. Self-learners (Hass et al., 2021) tend to be more intrinsically motivated as they are in control of their own learning process. Self-learning allows individuals to find the most effective way of learning for themselves, which may differ from others. Learning independence can stimulate creativity and innovation as individuals are expected to develop unique and effective approaches.

Benefits Independent learners tend to understand more deeply as they are actively involved in the learning process. Independent learning helps develop skills for lifelong learning, allowing individuals to continue learning and developing throughout life. The self-directed learning process stimulates critical thinking (Lantian et al., 2021) and evaluation of the information at hand. Independent learners have the opportunity to better understand themselves, understand their strengths and weaknesses in learning. Self-learning skills are invaluable in a changing world where

individuals must continuously learn and adapt to change. Self-directed learning helps develop the independence and confidence needed to face challenges and take responsibility for learning outcomes. In education and in everyday life, self-learning is an essential skill that helps individuals become active, resilient learners, ready to face the challenges of an ever-changing world.

There are several previous research opinions regarding research on E-Learning Application Utilization to Improve Learning Effectiveness. The first research of Chamidah, S. N. (2022) stated that the use of Padlet application in self-learning can be effective in improving students' writing skills. They may refer to students' ability to actively participate in various writing activities in Padlet, such as sharing essays, discussing topics, or providing feedback. This increase in the frequency and variety of writing can help students improve their writing skills. The second study by Syahab, F., Ahmadi, A., & Mazidah, N. (2023) stated that Padlet application facilitates collaboration and feedback between students. In the context of self-learning, students can interact with each other, give comments, and share ideas through Padlet. This can enrich the writing process with diverse perspectives and strengthen students' ability to give and receive constructive feedback. The third research according to Astuti, Y., Abidin, Y., & Cahyani, I. (2022) stated that the challenge and importance of content suitability. They may refer to the importance of choosing writing tasks that fit the features and functions of Padlet. In addition, they may discuss how to overcome technical obstacles or challenges in integrating the use of Padlet with wider writing instruction.

RESEARCH METHODOLOGY

The method used in this study is a quantitative method. This quantitative research method (Thomson et al., 2020) produces data in the form of numbers obtained by filling out surveys on google forms and provided to students as research subjects. In addition, this quantitative method produces systematic, planned, and structured research. This quantitative research method is widely used in research. This quantitative method is defined as the process of discovering a phenomenon in a systematic and real way by collecting information, then measuring it and confirming the truth by filling out questionnaires and interviewing stakeholders. This research is mostly conducted through statistical research where quantitative data is collected through research studies. This quantitative research method provides information that is truly accurate and realistic because the end result is in the form of numbers.

The type of research is a test whose purpose is to test self-learning using the padlet application in improving writing skills. The researcher's data collection technique is to find and collect factual and current information at that time. Data collection at observation points is a quantitative research data analysis technique. When analyzing data, one does so by describing and describing the information collected, without changing the source of the information obtained. The first step of this quantitative research is to find the root of the problem or formulate the problem, then conduct a literature review, determine the hypothesis, determine the method to be used, determine the instrument or research tool, and conduct data analysis and finally draw conclusions.

RESULT AND DISCUSSION

Self-education is an approach to learning where individuals take initiative and responsibility for their own learning process. Padlet app can be an effective tool in supporting self-directed learning, especially in improving writing skills. Using Padlet, learners can create digital bulletin boards containing ideas, inspiration and information related to their writing topics. They can collect links to relevant articles, images and videos to help stimulate creativity and provide guidance when writing. Learners can utilize Padlet to illustrate the writing concepts and techniques they are learning. They can upload images, writing samples and videos that explain different aspects of writing, such as narrative, style, structure and language use. Learners can use Padlet to share their writing with classmates or other peers. They can ask for critical feedback and suggestions for improvement. Classmates can comment directly on the bulletin board, creating constructive interaction.

For those who are writing a paper or article, Padlet can be used to collect sources, quotes, and links relevant to the topic. This helps organize information and makes the writing process easier. Padlets can be used to illustrate different language styles and the use of specific words in specific contexts. Learners can collaborate in identifying and sharing examples of effective language use. The Padlet app allows learners to create a digital writing portfolio. They can upload and organize different types of writing, such as essays, short stories, poems and articles. Using the Padlet app in self-study to improve writing skills allows learners to interact with the subject matter actively and creatively. It also encourages them to take control of the learning process and build a collaborative learning community. In this way, Padlet can be a valuable tool in advancing writing skills and understanding of different aspects of writing.

Padlet is a web-based tool used to create digital bulletin boards or idea boards that can be accessed online. It is a flexible platform that can be used for a variety of purposes, from team collaboration to distance learning, presentations, creative projects, and more. Padlet allows creating digital bulletin boards that can be filled with text, images, videos, links, and many other types of content. This makes it a very effective tool for team collaboration and idea sharing. Students can create bulletin boards to brainstorm, gather feedback, and discuss with team members or friends. Padlets have gained popularity in educational circles as a tool to support distance learning. Teachers can create bulletin boards to pose questions, assignments, or projects for students. Students can then interact with the bulletin board, upload their answers, and participate in relevant discussions. Padlets can be used to create interactive presentations that engage the audience. Students can share links to Padlet bulletin boards during your presentation, allowing your audience to participate by asking questions, providing feedback, or directly contributing other content.

Padlet can be used as a collaboration platform where teachers and students can interact and share information. Teachers can create bulletin boards to share lesson materials, assignments, and important information with the whole class. Students can also contribute with questions, responses and other content, creating an interactive learning environment. Padlet is a useful tool in distance learning. Teachers can use Padlet to upload lesson materials, links, learning videos and assignments. Students can participate by uploading their responses, asking questions, or discussing the subject matter. Teachers and students can use

Padlet to create interactive presentations. Teachers can share a link to the bulletin board during the presentation, allowing students to interact, ask questions, and give responses directly on the bulletin board. The teacher can provide feedback directly on the student's bulletin board. This eases the feedback process and facilitates two-way communication between teachers and students.

The use of Padlet app in schools can create a more interactive, collaborative and flexible learning environment. It helps teachers and students to actively participate in the learning process, share information, and develop digital skills that are essential in the modern world.

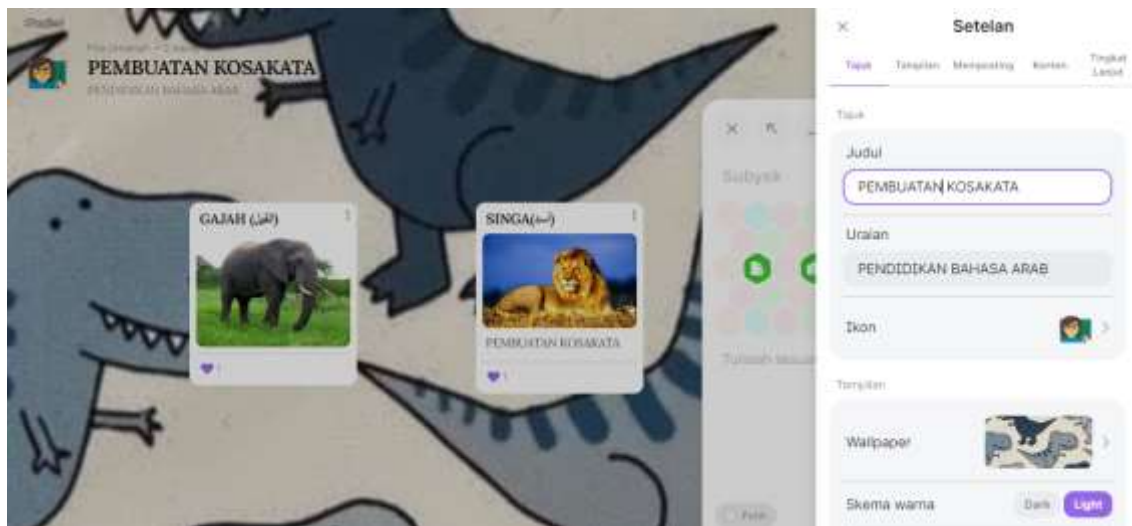


Figure 1: Example of Padlet Application in Improving Writing Skills

Based on the picture above, it can be concluded that Padlet allows students to collaborate in a digital environment easily. They can share their ideas, writings, and writing projects with classmates or study partners. The ability to provide immediate feedback and comments on Padlet posts facilitates interaction and collaborative learning. Padlet allows students to express themselves through various writing styles, including essays, poems, short stories, notes, and so on. This allows students to develop diverse and flexible writing skills according to their interests and abilities. Padlet app allows students to include images, videos, and various other media in their writing. This helps students to visualize their ideas and makes the writing work more interesting and informative. In the Padlet environment, students are active in creating and presenting their own content. It encourages student-centered learning, where they become active and engaged learning agents.

With Padlet, students have the opportunity to publish their writing work in a safe and controlled digital environment. This can increase students' motivation to produce quality work and feel more valued. Students can receive visual feedback from teachers or classmates easily through direct comments on Padlet. This allows students to see aspects that need improvement and provide further development to their writing skills. Through the use of Padlet, students also develop technology and digital literacy skills that are essential in the modern world. They learn how to utilize digital tools to communicate and share ideas. Padlet supports the use of multiple languages and special characters, so it can be used for teaching and learning in multilingual contexts. the use of Padlet should be well integrated in a more comprehensive learning strategy. Writing activities in direct interaction and immediate feedback from the teacher are also very important in developing deeper and sustainable

writing skills. In conclusion, Padlet application is a useful tool in improving students' writing skills through collaboration, variety of writing styles, and utilization of technology.

Researchers collected data about students' perceptions and responses to Self-Study Using Padlet Application in Improving Writing Skills through questionnaires. The purpose of distributing questionnaires is to obtain results and find out whether the application of this proficient technology can improve students' learning experience to the maximum and of course the goal of more advanced and quality education. By using this padlet application optimally will have a positive impact on students and teachers, the benefits include, Padlet allows easy collaboration between individuals or groups. Users can share ideas, information, and materials with classmates, coworkers, or team members in real-time, Padlet can be used to create digital presentations and exhibitions. Students or participants can upload their work, such as research projects or creative assignments, and share them with an audience online, Padlet can be used to hold online discussions or community forums where members can share opinions, ideas, or information on a particular topic. The questionnaire contains 15 statements about how important the application of Self-Study Using the Padlet Application in Improving Writing Skills is. And can be useful for the community with the knowledge they have. In making a questionnaire it is very important to make it well and according to procedures, such as choosing relevant and accurate statements, maintaining the confidentiality and anonymity of respondents if necessary. The data obtained is then processed and analyzed using statistical methods to collect data on the desired variables. Leaving all the opportunities and challenges of Self-Study Using Padlet Application in Improving Writing Skills, the researcher has collected data on students' attitudes and responses to the study entitled Self-Study Using Padlet Application in Improving Writing Skills..

TABLE

NO	Statement	SS	S	RR	TS	STS
1	I feel that using the padlet application can increase new ideas in self-study in improving writing skills.	70%	30%			
2	I feel that the use of padlet application has a positive impact on the effectiveness of self-study.	33,3%	50%			
3	I feel that the use of padlet application can make it easier for teachers in the learning process.	40%	60%			
4	I feel that the use of padlet applications can support the effectiveness of self-study in improving writing skills.	60%	40%			
5	I think padlet utilization should be followed by every educational	55%	45%			

	institution.					
6	I feel that the use of padlet applications can make it easier to understand learning	50%	50%			
7	I think the padlet application is very suitable to be applied in the distance learning process.	60%	40%			
8	In my opinion, with the utilization of the padlet application, the education process will run more effectively.	40%	60%			
9	I think that utilizing the padlet application offers a new independent learning experience for students.	50%	50%			
10	I feel that with the use of padlet applications, learning media is increasingly diverse.	60%	40%			
11	I feel that with the use of padlet applications the process of self-learning in education is getting easier	60 %	40 %			
12	I feel that every teacher and student must be able to master the utilization of padlet applications because the utilization of padlet applications has many benefits in its use.	50%	50%			
13	I feel that the effectiveness of self-study will increase when using padlet application utilization.	60%	40%			
14	I feel that padlet utilization can change the way students learn independently.	65%	35%			
15	I think that utilizing the padlet application does not consume a lot of time and space.	60%	40%			

Figure 1: Table of questionnaire filling by students

Description:

SS = Strongly Agree

S = Agree

RR = Undecided

TS = Disagree

STS = Strongly Disagree

The table above is a table of assessment results from a questionnaire given to students. Responses or responses given by students are needed to provide an assessment

of the role of information and communication technology in enriching the learning experience of students at school. In the statement there are 5 assessment categories, namely Strongly Agree (SS), Agree (S), Undecided (RR), Disagree (TS), Strongly Disagree (STS). Based on this table, the first highest assessment result is 70% with a very agree assessment category on I feel that using the padlet application can increase new ideas in self-study in improving writing skills. While the second assessment is 65% with the assessment category strongly agreeing to the statement I feel that the use of padlets can change the way students learn independently. Utilization of the padlet application in self-study can certainly result in an increase in student effectiveness in learning. Because through the padlet application the teacher can create a new learning style and students can experience new learning methods.

Furthermore, the researcher will describe the results of filling out the questionnaire. For the statement I feel that using the padlet application can increase new ideas in self-study in improving writing skills, getting a response with a strongly agreed category of 70% and an agreed category of 30%. For the second statement, I feel that utilizing the padlet application has a positive impact on the effectiveness of self-study obtained a response with a strongly agree category of 33.3% and an agree category of 50% and a doubtful category of 16.7%. For the third statement, I feel that the use of the padlet application can make it easier for teachers in the learning process, getting a response with a category of strongly agreeing 40% and a category of agreeing 60%. For the fourth statement, I feel that the utilization of the padlet application can support the effectiveness of self-study in improving proficiency in writing, getting a response with a category strongly agreeing 60% and a category agreeing 40%. For the fifth statement, in my opinion, padlet utilization must be followed by every educational institution, obtaining responses with a strongly agree category of 55% and an agree category of 45%.

Furthermore, for the sixth statement, I feel that utilizing the padlet application can make it easier to understand learning, getting a response with a strongly agree category of 50% and an agree category of 50%. For the seventh statement, I think the utilization of this padlet application is very suitable to be applied in the distance learning process, getting a response with a category strongly agreeing 60% and a category agreeing 40%. For the eighth statement, I think that with the utilization of the padlet application the education process will run more effectively, getting a response with a category of strongly agreeing 40% and a category of agreeing 60%. For the ninth statement, I think the utilization of the padlet application offers a new independent learning experience for students to get a response of 50% strongly agree category and 50% agree category. For the tenth statement, I feel that with the use of the padlet application, learning media is increasingly diverse, getting a response with a strongly agreed category of 60.7% and an agreed category of 39.3%.

Furthermore, for the eleventh statement, I feel that with the use of the padlet application, the process of self-study in education has become easier, obtaining responses with a strongly agree category of 60% and an agree category of 40%. For the twelfth statement, I feel that every teacher and student must be able to master the utilization of the padlet application because the utilization of the padlet application has

many benefits in its use, getting a response with a strongly agreed category of 50% and an agreed category of 50%. For the thirteenth statement, I feel that the effectiveness of self-study will increase when using the padlet application utilization obtained a response with a strongly agree category of 60% and an agree category of 40%. For the fourteenth statement, I feel that padlet utilization can change the way students learn independently, getting a response with a strongly agree category of 65% and an agree category of 45%. For the fifteenth statement, I think that utilizing the padlet application does not spend a lot of time and space to get a response with a category strongly agreeing 60% and a category agreeing 40%.

CONCLUSION

Based on the discussion and research results above, it can be concluded that Independent Learning Using Padlet Application in Improving Writing Skills, The use of Padlet gives students the flexibility to study anytime and anywhere. This supports an independent learning approach, where students can organize their study time according to their needs and schedules. The Padlet app allows students to express their creativity through the use of various media, including images, videos and links. This helps students to better visualize and enrich their writing. With Padlet, students engage in active learning and focus on creating their own content. This helps them take an active role in the learning process and the development of writing skills. Teachers or facilitators can use Padlet to monitor students' progress in writing. They can provide real-time feedback and support, allowing students to continuously improve their skills. Padlet allows students to collaborate in a digital environment, share ideas, provide feedback and interact with their peers. It encourages the exchange of ideas and enhances collaborative learning. Through the use of Padlet, students develop digital literacy skills that are essential in the modern world. They learn to interact with technological tools for educational and communication purposes. The app allows students to explore and share information further. This results in content enrichment and enhances their understanding of the topic being studied. Padlet gives students the opportunity to publish and share their writing work with a wider audience. This can increase their sense of responsibility and motivation in producing quality work.

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