

Towards Digital Creativity: The Effect of Canva Application on the Creativity of Prospective Teacher Leaders

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Abstrak

Perkembangan dunia kreativitas digital telah mengubah paradigma pendidikan, dan calon guru penggerak tidak ketinggalan. Dalam dunia yang semakin terhubung, aplikasi desain grafis Canva menjadi kekuatan revolusioner yang menggebrak kreativitas mereka. Tujuan penelitian ini adalah untuk mengungkap pengaruh aplikasi canva terhadap kreativitas guru penggerak. Penelitian ini menggunakan pendekatan kuantitatif metode survei. Subjek penelitian ini adalah peserta calon guru penggerak angkatan 7 Kabupaten Bojonegoro dengan populasi 125 peserta. Sampel diambil menggunakan teknik purposive sampling, dengan jumlah 52 peserta. Instrumen yang digunakan berupa kuesioner berskala likert. Temuan penelitian menunjukkan penggunaan aplikasi canva berpengaruh positif terhadap kreativitas calon guru penggerak. Hasil dari penelitian ini, merekomendasikan pemanfaatan aplikasi canva sebagai solusi yang efektif dan efisien dalam meningkatkan kreativitas calon guru penggerak dalam pembuatan konten pembelajaran.

Kata kunci: kreativitas, Canva, guru penggerak

Abstract

The development of the digital creativity world has transformed the education paradigm, and aspiring teacher leaders are not left behind. In an increasingly connected world, the graphic design application Canva has become a revolutionary force that sparks their creativity. The aim of this research is to explore the influence of the Canva application on the creativity of teacher leaders. This study employed a quantitative approach with a survey method. The subjects of this research were participants of the 7th cohort of prospective teacher leaders in Bojonegoro Regency, with a population of 125 participants. A sample of 52 participants was selected using purposive sampling technique. The instrument used was a Likert-scale questionnaire. The research findings indicate that the use of the Canva application has a positive impact on the creativity of prospective teacher leaders. Based on the results of this study, it is recommended to utilize the Canva application as an effective

	<p><i>and efficient solution to enhance the creativity of prospective teacher leaders in creating instructional content.</i></p> <p><i>Keywords: creativity, Canva, teacher leaders</i></p>
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INTRODUCTION

Currently, the progress of information technology is experiencing rapid development. This phenomenon can be observed from the growth of cutting-edge technologies such as data science, artificial intelligence, and the increasingly widespread use of the internet in all aspects of life (Ghufron, 2018). In the education sector, the advancement of information technology is changing the way we learn, teach, and impacting the entire education ecosystem. Therefore, teachers, students, and all stakeholders involved must be able to adapt for the achievement of quality education. Teachers are required to possess the ability to prepare students to work with and utilize technology in addressing the challenges encountered in the learning process and in community life. In this regard, a deep understanding of the characteristics of learning in the digital era becomes crucial for teachers to master (Indra et al, 2019).

Speaking of education, Indonesia places it in a very important position and considers it as a fundamental element. This is in line with the content of the fourth paragraph of the preamble of the 1945 Constitution, which emphasizes that the goal of enlightening the life of the nation is the responsibility of the state (Sherly, Dharma, & Sihombing, 2020). In facing the increasingly modern world, with easy access to information and rapid digital technology capabilities, there are great opportunities to transform education in Indonesia to be more interactive, connected, and adaptive (Nagri, Muqawim, Radjasa, Munastiwi, & Santika, 2020). By harnessing these potentials, Indonesian education can keep up with the times, prepare the younger generation with relevant skills, and provide quality education for the entire society.

The 21st century learning is oriented towards a digital lifestyle, where digital technology becomes an integral part of the learning process (Lukum, 2019). In this context, the use of digital tools, online platforms, and digital resources becomes the means to access, interact, and collaborate in learning. Teachers cannot avoid interacting with the digitally active generation that utilizes technology. This generation tends to be less interested in formal education and quickly gets bored with conventional learning methods. As agents of change, teachers must adapt and develop the ability to harness technology in teaching to meet the needs and expectations of this digital generation. This includes using digital tools in learning, providing technology-relevant content, and developing digital skills to actively participate in the digital era (Murfi'ah, 2017).

In utilizing technology, there are several prerequisites that need to be fulfilled. Firstly, the readiness of teachers and students to use technology. Secondly, the commitment of educational institutions or schools to provide adequate access and infrastructure facilities (Suciati, 2018). Although technology has improved accessibility to educational resources, there are still digital divides that need to be addressed. In certain regions, not all students and schools have equal access to technology and reliable internet connections (Amelia et al., 2017; Eugenia et al., 2013; Tae & Ngongo, 2022). Additionally, educators who feel comfortable with traditional teaching methods and classroom management may hesitate to explore new ideas and approaches that are considered outside of their usual practices. This is what causes many teachers in schools to struggle and face difficulties in adapting to the digital era (Zuriah,

Sunaryo, & Yusuf, 2016). So, how do we address the digital divide and develop teachers' abilities to effectively integrate technology in teaching?

To address such matters, strong support from educational institutions, improved access to technology, and adequate training for educators are undoubtedly necessary. These factors enable them to confidently and skillfully utilize technology within the context of learning. Because each individual possesses a unique creative potential within themselves. As time goes by, they continue to sharpen their creativity to enhance competitiveness in all fields. Creativity plays a crucial role in our lives. It's not just about discovering new things, but also about transforming and modifying existing inventions to provide added value.

As the catalyst or main driving force in implementing changes and advancements in the field of education, teachers must not be 'outdated'. In response to this, the Government has developed a program called "Teacher Leaders" that is integrated with the independent learning curriculum, aiming to reform education (Kholik, 2021). The teacher leaders education becomes one of the prestigious platforms for teachers to showcase their skills, and its graduates will be facilitated to become educational leaders in the future. The role as an educational leader includes positions such as School Principal, School Supervisor, and Training Instructor (Yusup, 2015). The selection process itself presents a special challenge for the chosen teachers, as their teaching creativity is put to the test, and the 9-month education period, conducted both online and offline, serves as evidence of the perseverance possessed by these teachers (Ardiyan, Purba, Siburian, & Sinaga, 2022).

Teacher leaders in education must be able to balance the demands of the modern era, particularly in terms of character education as the foundation for students to remain wise in the face of evolving challenges of the times, and to have a critical mindset in responding to all available information. An Teacher leaders is a teacher who motivates other teachers in independent learning to develop students' potential holistically. An Teacher leaders in independent learning not only has the ability to manage learning effectively but also needs to establish good relationships with students within the school community by utilizing available technology for the improvement of teaching quality. Additionally, they should engage in continuous reflection and evaluation to enhance their teaching practices. An empowering teacher should serve as a role model, demonstrating both competence and determination to bring about change (Rahmani, Radiana, & Saputra, 2022).

In the current era, Canva has become a highly suitable application for teacher leaders to enhance their creativity. The collaboration between Canva and belajar.id accounts further supports the use of this application. Canva for Education is a free enhancement package specifically designed for educators, students, and educational staff. Canva is an online-based design application that is easily accessible through the Play Store or directly from the Canva website. This application provides various attractive design templates, ranging from presentations, resumes, curriculum vitae, pamphlets, infographics, newsletters, book cover designs, bookmarks, and much more. Many research studies, such as Famukhit (2016), Nurhayati et al.,(2022) , Purba & Harahap (2022) have mentioned the diverse use of Canva in various educational contexts.

The advantage of Canva lies in its relatively easy-to-learn features, allowing teachers to quickly master its usage (Apriani, Sumargiyani, & Yanto, 2022). This application provides convenience for teachers to create attractive and high-quality designs without requiring in-depth design skills. It becomes the right solution for teacher leaders who want to enhance their creativity through appealing and professional graphic designs.

Previous research studies on Canva have been conducted by several researchers. One of them is the study conducted by [Wahyuni and Thohiriyah \(2018\)](#), which stated that educators can create infographics using the Canva application. Furthermore, Canva also allows educators and students to become "design thinkers," which means they can skillfully create new creations or modify existing designs with their own original designs. Research results have shown that Canva helps students to better understand the taught. This statement is supported by several research findings that indicate Canva's ability to enhance creativity due to its user-friendly interface and simple icons and tools ([Fitria, Habibi, Hakim, & Islamiyah, 2021](#); [Junaedi, 2021](#); [Zulhandayani, 2023](#)).

This research is intriguing for two main reasons. Firstly, despite Canva's potential to enhance creativity, educators who utilize Canva as a media tool have not yet achieved the expected level of perfection ([Monoarfa & Haling, 2021](#)). Secondly, there has been no specific study that delves into the impact of Canva's usage on the creativity of prospective teacher leaders. In this context, it is essential to comprehend and demonstrate whether the use of Canva genuinely influences the creativity of prospective teacher leaders. By studying the experiences and perspectives of prospective teacher leaders who use Canva as a tool in the educational process, the results of this research are expected to provide valuable insights for education in effectively utilizing the Canva application to enhance the creativity of prospective teacher leaders. The findings of this research can also provide practical recommendations to prospective teacher leaders and educational institutions to utilize Canva in developing engaging, innovative, and creative learning materials.

METHOD

This study employs a quantitative approach through a survey method. This survey research falls into the category of analytical survey, wherein the researcher is able to test the relationships between variables and draw conclusions from these relationships. Data collection utilizes two techniques, namely questionnaires and interviews. The questionnaire is constructed by incorporating questions that employ clear and easily comprehensible language for the respondents, with the aim of facilitating the data collection process and ensuring the validity of the acquired data, specifically concerning The Effect of Canva Application on the Creativity of Prospective Teacher Leaders. Meanwhile, interviews are conducted by the researcher to provide additional dimensions to the data gathered through the questionnaire, thereby yielding a more comprehensive understanding of The Effect of Canva Application on the Creativity of Prospective Teacher Leaders.

The research was conducted in Bojonegoro from May to July 2023. The subjects of this study were participants of prospective teacher leaders from the 7th cohort in Bojonegoro Regency, with a total population of 125 participants. The selection of this subject was made by the researcher, considering the high level of interest among prospective teacher leaders in Bojonegoro Regency. This fact indicates that teachers in Bojonegoro are determined to be pioneers in bringing about positive changes in the field of education. Additionally, based on field observations, the majority of prospective teacher leaders in Bojonegoro have been utilizing the Canva application in their teaching practices. The research sample was taken using purposive sampling technique, as suggested by [Arikunto \(2019\)](#), by taking 25% of the population, which is a minimum of 31 respondents. In this study, the number of respondents involved was 52 respondents ([Arikunto, 2019](#)).

DATA COLLECTION

The research utilized a questionnaire as the instrument, employing a Likert scale consisting of five levels, ranging from 1 to 5. This scale aims to assess the extent of the influence of the Canva application on the creativity of prospective teacher leaders. The scale encompasses options ranging from "Strongly Agree," "Agree," "Neutral," "Disagree," to "Strongly Disagree." Prior to distributing the questionnaire to the sample, the researcher conducted validity and reliability tests on the instrument. Validity was employed to ensure that the questionnaire genuinely measures The Effect of Canva Application on the Creativity of Prospective Teacher Leaders. Meanwhile, reliability was used to gauge the extent to which the instrument remains consistent in measuring the studied variables.

Data analysis was conducted using the techniques of simple regression test and Pearson's product-moment correlation. The simple regression test was employed to examine the influence of the Canva application variable on the creativity of prospective teacher leaders. Meanwhile, the Pearson's product-moment correlation was used to measure the relationship between these variables. To perform the data analysis, the researcher utilized the SPSS software, which assists in processing the data and generating accurate analysis results, as shown in [Table 1](#).

Table 1. Questionnaire Instrument: The Effect of Canva Application on the Creativity of Prospective Teacher Leaders.

No	Statement	Score				
		SA	A	N	D	SD
<i>Variables of Canva Application Usage</i>						
1	The Canva application offers various features that can stimulate my creativity.					
2	With the diverse features available in the Canva application, it helps me produce unique and innovative designs.					
3	The availability of various features in the Canva application helps enhance my level of creativity.					
4	The abundant features offered by the Canva application expand my thinking capabilities in generating new ideas.					
5	The ease of using features in the Canva application accelerates the process of designing learning materials.					
6	The features available in the Canva application make the design process easier and more efficient.					
7	The user-friendly nature of the features in the Canva application contributes to the improvement of the resulting design outcomes.					
8	The flexibility of using the Canva application makes it highly relied upon in the learning process.					
9	The Canva application can be easily accessed by teachers or students through laptops, computers, or smartphones, providing flexibility in its usage.					
10	The flexibility of using the Canva application makes it easy for me to combine various types of content (images and videos) from different media sources into one platform.					
<i>Variables of creativity for prospective teacher leaders</i>						
11	I can express my creativity because the Canva application provides a plethora of features.					

Table 1. (continued) Questionnaire Instrument: The Effect of Canva Application on the Creativity

No	Statement	Score				
		SA	A	N	D	SD
12	The various features provided by the Canva application allow me to create new and unique designs.					
13	I can generate new ideas and expand my thinking due to the abundance of features available in the Canva application.					
14	I can develop my creativity by creating presentations, slides, brochures, instructional videos, and more.					
15	I can quickly complete designs due to the user-friendly features in the Canva application.					
16	I can enhance design outcomes due to the ease of using features in the Canva application.					
17	I feel capable of designing easily thanks to the user-friendly features in the Canva application.					
18	The flexible usage of the Canva application makes it widely used by prospective teacher leaders.					
19	Prospective teacher leaders can easily design using this application through various devices such as laptops, computers, or smartphones.					
20	I feel satisfied using the Canva application due to its flexibility of use.					

SA: Strongly Agree; A: Agree; N: Neutral; D: Disagree; SD: Strongly Disagree

RESULT

The purpose of this research is to uncover and explain the hypothesis that the utilization of the Canva application has a positive effect on the creativity of teacher leaders. To achieve this goal, the researcher used the data testing formula with the assistance of SPSS. The researcher began by testing the validity of the instrument to be given to the 52 samples. The results of the SPSS validity test showed that out of the 20 tested items, all of them were proven to be valid. The results indicated that the calculated *r*-value was greater than the tabled *r*-value, exceeding 0.268, with a data significance level of less than 0.05. Table 2 below shows the validity test results that support these findings.

Table 2. Questionnaire Validity Test

Items	Pearson Correlation Values	Sig.	<i>r</i> _{table}	Criteria
1	0,680	0,00	0,268	Valid
2	0,847	0,00	0,268	Valid
3	0,761	0,00	0,268	Valid
4	0,640	0,00	0,268	Valid
5	0,536	0,00	0,268	Valid
6	0,493	0,05	0,268	Valid
7	0,451	0,01	0,268	Valid
8	0,725	0,00	0,268	Valid
9	0,320	0,027	0,268	Valid
10	0,725	0,00	0,268	Valid
11	0,647	0,00	0,268	Valid
12	0,544	0,00	0,268	Valid
13	0,680	0,00	0,268	Valid
14	0,645	0,00	0,268	Valid
15	0,575	0,00	0,268	Valid

Table 2. (continued) Questionnaire Validity Test

Items	Pearson Correlation Values	Sig.	r _{table}	Criteria
16	0,466	0,01	0,268	Valid
17	0,451	0,01	0,268	Valid
18	0,761	0,00	0,268	Valid
19	0,536	0,00	0,268	Valid
20	0,756	0,00	0,268	Valid

Source: Processed primary data

In the reliability test of the instrument items, the suitability of the distributed questionnaire was confirmed by the obtained scores of the Canva application variable, which had a reliability coefficient (α) of 0.929, higher than the critical value of α (0.700). Furthermore, the variable of prospective teacher leaders' creativity also showed high reliability with a value of $\alpha = 0.957$, exceeding the established critical value. Therefore, it can be concluded that the item statements data in this questionnaire are valid and reliable, as shown in Table 3.

Table 3. Questionnaire Reliability Test Results

No	Variables	r _{alpha}	r _{kritis}	Criteria
1	The Canva Application	0,929	0,700	Reliable*
2	Creativity Of Prospective Teacher Leaders	0,957	0,700	Reliable*

*Reliable: If r_{alpha} > r_{critical}

Source: Processed primary data

The results of distributing the questionnaire to 52 respondents related to prospective teacher leaders in this study can be seen in the following Figure 1:

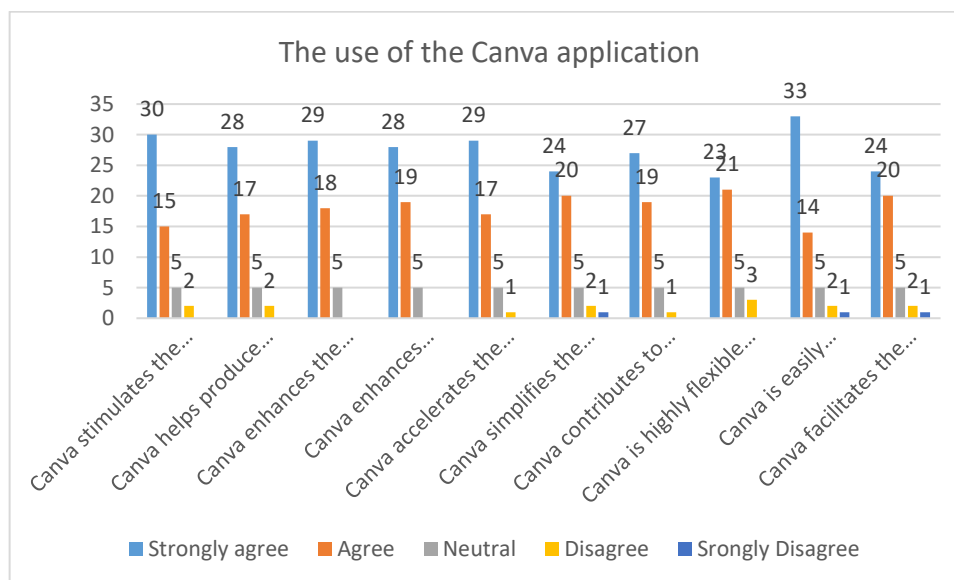


Figure 1. Results of the Canva Application Usage Questionnaire

After ensuring the validity and reliability of the data, the next step is to analyze the respondents' answers and translate the collected data. The researcher carried out the following steps to process the data in this study:

1. Conducting descriptive measurement on respondents' or samples' answers. Respondents who strongly agree (SA) were given a score of 5, agree (A) were given a score of 4, neutral

- (N) were given a score of 3, disagree (D) were given a score of 2, and strongly disagree (SD) were given a score of 1.
2. Summing up the 20 statement items of the questionnaire answered by the respondents. Based on the total score obtained, respondents are categorized as very low if the score falls within the range of 0-20, low if the score falls within the range of 21-40, moderate if the score falls within the range of 41-60, high if the score falls within the range of 61-80, and very high if the score falls within the range of 81-100. (Sari, Cawang, & A.K, 2017).
 3. Next, perform an analysis to calculate the percentage of respondents' answers regarding the influence of the Canva application.

Based on the data analysis using the percentage formula from [Figure 1](#), the Canva application successfully received positive responses from the respondents in terms of offering features that stimulate creativity. A total of 57.7% of the respondents strongly agreed, while 28.8% of the respondents agreed with the statement. There were 9.6% of the respondents who had a neutral attitude, and 3.8% of the respondents disagreed, while no respondents strongly disagreed. Thus, the Canva application obtained a score of 86.5% in terms of providing features that stimulate creativity. In terms of the ability to create unique and innovative designs, the Canva application also received positive responses from the majority of respondents. A total of 53.8% stated strongly agree, while 32.7% agreed. Only a small percentage had a neutral attitude (9.6%) or disagreed (3.8%), and none strongly disagreed. Thus, the Canva application achieved a score of 86.5% in terms of its ability to generate unique and innovative designs.

The availability of various features in the Canva application is considered to make a significant contribution to enhancing the level of creativity among prospective teacher leaders. A total of 55.8% of respondents strongly agreed that these features are capable of increasing their creativity, while 34.6% agreed. Only 9.6% of the respondents had a neutral attitude, while none disagreed or strongly disagreed with the statement. Based on this data, the Canva application achieved a score of 90.4% in enhancing the level of creativity among prospective teacher leaders.

In terms of expanding thinking abilities to generate new ideas, 53.8% of respondents strongly agreed that the Canva application, with its abundant features, can make a significant contribution. Additionally, 36.5% of respondents agreed, while 9.6% remained neutral, and there were no respondents who disagreed. There were also no respondents who strongly disagreed with the statement. Therefore, based on this data, the Canva application obtained a score of 90.3% in expanding thinking abilities to generate new ideas.

The significant use of Canva application features accelerates the process of designing learning materials, as stated by 55.8% of respondents who strongly agreed. Additionally, 32.7% of respondents agreed with the statement, while 9.6% remained neutral, and only 1.9% disagreed. There were no respondents who strongly disagreed with this statement. From this data, it can be concluded that the user-friendly features of the Canva application make a significant contribution to expediting the process of designing learning materials. The obtained score of 88.5% indicates a high level of satisfaction among users who have experienced the benefits of these features. With the presence of the Canva application, the design of learning materials becomes more efficient and engaging.

The ability to make the design process easier and more efficient, the features in the Canva application received positive responses from the respondents, with 46.2% strongly agreeing, 38.5% agreeing, 9.6% remaining neutral, and only 3.8% disagreeing. Only a small

portion, 1.9% of respondents, answered strongly disagreeing with the statement. Based on this data, the features in the Canva application scored 84.7% in terms of ease and efficiency in the design process.

The ease of use of the features in the Canva application received high approval from 51.9% of respondents who strongly agreed with their contribution to improving design outcomes. Additionally, 36.5% of respondents agreed, while 9.6% remained neutral, and only 1.9% of respondents disagreed. None of the respondents strongly disagreed with the statement. Thus, the ease of use of the features in the Canva application successfully achieved a score of 88.4% in contributing to the improvement of design outcomes. The flexibility of using the Canva application makes it a highly reliable choice in the learning process, as emphasized by 44.2% of respondents who strongly agreed. Additionally, 40.4% of respondents agreed, while 9.6% remained neutral, and only 5.7% of respondents disagreed. None of the respondents strongly disagreed with the statement. Therefore, the flexibility of using the Canva application in the learning process successfully achieved a score of 84.6%.

In terms of accessibility, 63.5% of respondents strongly agreed that the Canva application can be accessed through various devices such as laptops, computers, and mobile phones by teachers or students. Additionally, 26.9% of respondents agreed, while 9.6% remained neutral, 3.8% disagreed, and 1.9% strongly disagreed with the statement. Thus, the accessibility of the Canva application through various devices such as laptops, computers, and mobile phones for teachers or students obtained a score of 90.4%. In terms of the flexibility of using the Canva application to combine various types of materials, such as images and videos, from different media sources into one platform, it is evident that 46.2% of respondents strongly agreed and 38.5% of respondents agreed. Only 9.6% of respondents remained neutral, while 3.8% of respondents disagreed. Additionally, 1.9% of respondents strongly disagreed with the statement. Thus, the Canva application obtained a score of 94.2% in this indicator.

Based on the data presented in [Figure 1](#), the frequency distribution and presentation of variable X can be seen in [Table 4](#).

Table 4. Frequency Distribution and Percentage of Canva Application

No	The use of Canva application	F	P
1	Very high	35	67,3%
2	High	13	25%
3	Moderate	4	7,7%
4	Low	-	-
5	Very low	-	-
Total		N=52	100%

Based on [Table 4](#), the majority of respondents (67.3%) gave a very high rating to the Canva application. A total of 25% of respondents stated a high rating, while 7.7% stated a moderate rating. There were no respondents who gave a low or very low rating. Therefore, it can be concluded that the Canva application achieved a high level of frequency distribution and percentage, reaching a score of 92.3%. The results of the questionnaire on the creativity of teacher movers can be seen in [Figure 2](#).

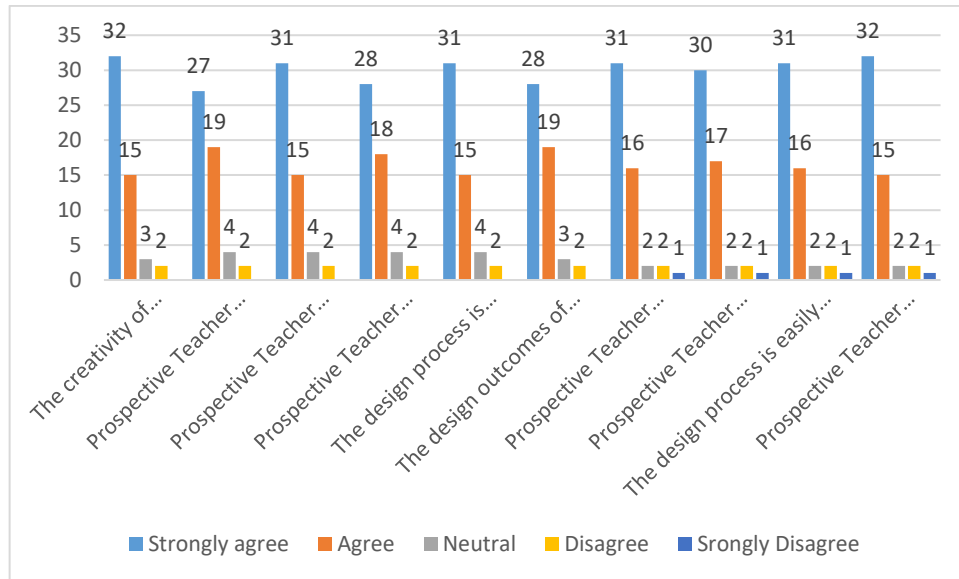


Figure 2. Creativity of Prospective Teacher Leaders

Data analysis using the percentage formula from the above Figure 1 shows that the majority of respondents, 61.5%, strongly agreed that the Canva application provides abundant features to express their creativity. Additionally, there were 15 respondents who agreed, 5.7% of respondents remained neutral, and 3.8% of respondents disagreed. There were no respondents who strongly disagreed with the statement. Therefore, the Canva application obtained a score of 90.3% in providing abundant features to express creativity.

In terms of facilitating users to create new and unique designs, 51.9% of respondents answered that the Canva application is an effective tool. Additionally, 36.5% of respondents agreed with the statement, while 7.7% remained neutral, and 3.8% disagreed. Interestingly, there were no respondents who strongly disagreed with the statement. The assessment score of 88.4% further confirms that this application provides opportunities for users to produce creative and unique designs through its various features.

Thanks to the various features available in the Canva application, users can generate new ideas and expand their thinking. In this questionnaire, 59.6% of respondents strongly agreed, 28.8% agreed, 7.7% were neutral, 3.8% disagreed, and no one strongly disagreed. The score obtained by the Canva application is 88.4%, indicating that its features make a significant contribution to generating new ideas and expanding users' thinking.

The Canva application provides users with the opportunity to develop their creativity by creating presentations, slides, brochures, instructional videos, and various other content. In this study, 53.8% of respondents strongly agreed, 34.6% agreed, 7.7% were neutral, 3.8% disagreed, and no one strongly disagreed. The Canva application obtained a score of 88.4%, indicating that users can develop their creativity through the provided features to create various types of content, including presentations, slides, brochures, and instructional videos.

The ease of use of features in the Canva application allows users to quickly complete their designs. Data from respondents shows that the majority, 59.6%, strongly agree with this statement, while 28.8% agree, 7.7% remain neutral, and 3.8% disagree. In the scoring assessment, the Canva application achieved 88.4%, indicating its effectiveness in providing ease for users to efficiently produce designs. With user-friendly features, users can quickly express their creativity and create appealing designs.

Using the features of the Canva application allows users to easily improve the quality of their design outcomes. The research results show that the majority of respondents, 53.8%, strongly agree with this statement, while 36.5% agree. Although there is a small portion of respondents who are neutral (5.7%) or disagree (3.8%), the obtained score of 90.3% indicates that the ease of using Canva's features plays a significant role in enhancing design outcomes. Thus, the Canva application makes a significant contribution in providing a better design experience and enabling users to achieve more satisfying design outcomes.

Users experience satisfaction when using the features of the Canva application as it allows them to easily create designs. Based on the obtained data, the majority of respondents, 59.6%, strongly agree with this statement. Additionally, 30.8% of respondents also agree, indicating a high level of satisfaction. Although there is a small portion of respondents who are neutral (3.8%) or disagree (3.8%), their numbers are relatively small. With a score of 90.4%, it can be concluded that users feel the ease of using Canva's features to create designs, providing a satisfying experience and increasing their interest in design activities.

The use of the highly flexible Canva application makes it the preferred choice for prospective teacher leaders. In the obtained data, 57.7% of respondents strongly agree, 32.7% agree, 3.8% remain neutral, 3.8% disagree, and 1.9% strongly disagree with this statement. From the scoring assessment, the Canva application achieved 90.4%, indicating that it is highly suitable and widely used by prospective teacher leaders. The ability of the Canva application to provide flexibility to users assists them in developing and implementing creative ideas in the context of education.

Through the Canva application, prospective teacher leaders can smoothly design using various devices such as laptops, computers, or smartphones. The data results show that the majority, 59.6% of respondents, strongly agree, 30.8% agree, 3.8% remain neutral, and only 3.8% disagree, with only 1.9% of respondents strongly disagree. The score obtained for the ease of using this application for designing across various devices reaches 90.4%. This indicates that the application has become a favorite choice for prospective teacher leaders due to its accessibility, whether through laptops, computers, or smartphones, enabling them to remain creative and productive in the learning process.

Prospective teacher leaders experience high satisfaction in using the Canva application due to its flexibility. A significant level of response is evident from 61.5% of respondents who strongly agree, 28.8% who agree, 3.8% who remain neutral, 3.8% who disagree, and only 1.9% who strongly disagree. Looking at this data, the Canva application has achieved a score of 90.3% in meeting the satisfaction of prospective teacher leaders with its flexibility features. Therefore, prospective teacher leaders greatly benefit from the presence of the Canva application, which provides a satisfying and flexible user experience.

Based on the data presented in [Figure 2](#), we can observe the frequency distribution and presentation of variable Y.

Table 5. Frequency Distribution and Percentage of Creativity of Prospective Teacher Leaders

No	Creativity of Prospective Teacher Leaders	F	P
1	Very High	39	75%
2	High	10	19,2%
3	Moderate	1	1,9%
4	Low	2	3,8%
5	Very low	-	-
Total		N=52	100%

According to Table 5, the majority of respondents (75%) provided a very high rating for the creativity of prospective teacher leaders. 19.2% of respondents provided a high rating, 1.9% provided a moderate rating, while 3.8% provided a low rating, and there were no respondents who provided a very low rating. This indicates that the creativity of prospective teacher leaders has received a high frequency distribution and percentage, with a score reaching 94.2%.

Before conducting the regresi test, a normality test was used to evaluate whether the obtained data follows a normal distribution or not. The findings indicate that the obtained p-value is greater than 0.05, indicating that the data meets the assumption of normal distribution as required by the research.

Table 6. Results of Data Normality Test
One-Sample Kolmogorov-Smirnov Test

		<i>Canva</i>	<i>Creativity</i>	
N		52	52	
Normal Parameters ^{a,b}	Mean	37.29	26.17	
	Std. Deviation	4.249	3.719	
Most Extreme Differences	Absolute	.156	.126	
	Positive	.107	.067	
	Negative	-.156	-.126	
Test Statistic		.156	.126	
Asymp. Sig. (2-tailed)		.003 ^c	.037 ^c	
Monte Carlo Sig. (2-tailed)	Sig.	.143 ^d	.345 ^d	
	99% Confidence Interval	Lower Bound	.134	.332
		Upper Bound	.152	.357

Source: Processed primary data

The linearity test result shows that the significance value of deviation from linearity is 0.664, indicating the presence of a linear relationship between the usage of Canva application and the creativity of prospective teacher leaders.

Table 7. Linearity Test

			ANOVA Table				
			<i>Sum of Squares</i>	<i>df</i>	<i>Mean Square</i>	<i>F</i>	<i>Sig.</i>
Creativity CGP * canva	Between Groups	(Combined)	296.178	15	19.745	1.737	.087
		Linearity	168.957	1	168.957	14.862	.000
		Deviation from Linearity	127.221	14	9.087	.799	.664
Within Groups			409.264	36	11.368		
Total			705.442	51			

To determine the influence of the Canva application on the creativity of prospective teacher leaders, a simple linear regression test was conducted. Decision-making is done by comparing the significance value (p-value) with a probability value of 0.05. The regression test results show that the constant value (a) is 10.199, and the Canva value (b/regression coefficient) is 0.428. Therefore, the regression equation can be written as follows:

$$Y = a + bX$$

$$Y = 10.199 + 0,428X$$

If the significance value (p-value) obtained from the regression test is smaller than 0.05, it indicates a significant influence between the use of the Canva application and the creativity of prospective teacher leaders. On the other hand, if the significance value is greater than 0.05, it suggests that there is no significant influence between the two variables.

Based on the equation above, the constant value of 10.199 indicates that creativity has a baseline value of 10.199. The regression coefficient of 0.428 suggests that for every 1% increase in the Canva value, creativity will increase by 0.0428. Since the regression coefficient has a positive value, it can be concluded that there is a positive relationship between the Canva variable (X) and the creativity of prospective teacher leaders (Y).

In the decision-making process of simple regression analysis, a coefficient significance value of 0.000 was obtained, which is smaller than 0.05. This indicates that the Canva application variable (X) has a significant influence on the creativity of prospective teacher leaders (Y). Additionally, the calculated t-value of 3.968 exceeds the critical t-value of 2.008. Therefore, it can be concluded that the Canva application variable (X) has an effect on the creativity of prospective teacher leaders (Y).

Table 8. Results of Simple Regression Analysis

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.	
	B	Std. Error	Beta			
1	(Constant)	10.199	4.051		2.518	.015
	Canva	.428	.108	.489	3.968	.000

a. Dependent Variable: Creativity CGP

In the data analysis, a product-moment correlation test was used to assess the strength of the relationship between the dependent variable, the usage of the Canva application, and the independent variable, the creativity of prospective teacher leaders. The results of the product-moment analysis show a Pearson correlation coefficient of 0.489. This indicates a moderate level of influence between the two variables, as the coefficient value falls within the range of 0.40 to 0.599. Furthermore, the obtained Sig. (2-tailed) value of 0.000 indicates that the probability value is less than 0.05. Thus, it can be concluded that the relationship between the variables in this study is significant and positive, supporting the proposed hypothesis.

Table 9. Results of Product-Moment Correlation Test

		Correlations	
		canva	Creativity CGP
Canva	Pearson Correlation	1	.489**
	Sig. (2-tailed)		.000
	N	52	52
Creativity CGP	Pearson Correlation	.489**	1
	Sig. (2-tailed)	.000	
	N	52	52

DISCUSSION

Based on the research conducted on prospective teacher leader in the 7th cohort of Bojonegoro district, the data obtained indicates that there is an influence provided by the Canva application on the creativity of prospective teacher leaders. Currently, the Canva application has become the primary choice for teacher leaders in terms of graphic design for learning purposes. With user-friendly and abundant features, this application enables them to quickly create creative designs that are relevant to the learning materials. Additionally, the availability of various customizable templates and design elements makes Canva a flexible tool for teacher leaders to adjust designs according to their needs. One of the evidence of Canva's popularity among teacher leaders can be seen from the results of an interview conducted on May 21, 2023, via WhatsApp with Mrs. Gestin, a practicum instructor in Bojonegoro District. According to her, almost all teacher leaders use Canva for educational purposes, creating content, and implementing real actions in education. This indicates that Canva has a significant impact in enriching the learning and teaching experience for teacher leaders.

In addition, Koerul Li'umah, one of the participants of the Teacher leaders Program, also revealed that Canva is very easy to learn, even for beginners. This application provides many interesting features that can sharpen users' creativity. Although some Canva templates are paid, fortunately, Canva collaborates with the education sector, allowing many paid features to be accessed by teachers through the belajar.id account. With the collaboration between Canva and belajar.id, the teacher leaders can take advantage of various premium features for free. This certainly provides them with the opportunity to explore more design options and enhance the quality of the learning materials they create. Although this application provides many useful features, Huda, who is also a teacher leader, revealed that there are drawbacks regarding the accessibility of some features for teacher leaders. While the majority of features can be used for free, some special features still require payment and copyright when used as open educational resources in their assets.

In line with (Fitria et al., 2021; Junaedi, 2021; Zulhandayani, 2023) who stated that Canva can enhance creativity due to its user-friendly interface, simple icons, and tools, teacher leaders can optimize their creativity in creating engaging learning materials through Canva. This finding also justifies what was stated by Reisoğlu (2022) that the professional performance of teachers assisted by digital technology is increasingly improving. This application not only simplifies the design process but also provides convenience in collaborating with colleagues and sharing design outputs online. This allows aspiring teacher leaders to continuously develop new ideas and enhance the quality of the learning they provide to students.

In the advancing digital era, the utilization of Canva application by aspiring teacher leaders becomes a smart move. The data obtained in this research proves that there is an influence of the Canva application on the creativity of aspiring teacher leaders. They can surpass traditional limitations in creating learning materials. They can combine visual elements, text, and multimedia in creative and engaging ways. Their performance is supported by their positive perspective on the utilization of digital technology (Thohir, Maarif, Rosyid, Huda, & Ahmadi, 2021). Moreover, its usage becomes a necessity in dealing with Generation Z learners (Abdigapbarova & Zhiyenbayeva, 2023; Hernandez-de-Menendez, Escobar Díaz, & Morales-Menendez, 2020). Additionally, Canva also provides various templates that can be used as guides or inspiration in creating unique and dynamic designs. (Khoiriyah et al., 2016).

CONCLUSION

The use of the Canva application significantly enhances the creativity of prospective teacher leaders. As many as 92.3% of prospective teacher leader in Bojonegoro Regency use Canva with a creativity rating of 94.2%, which falls under the category of very high. The statistical analysis results indicate that the Canva application variable has a significant influence on the creativity of prospective teacher leaders. Furthermore, the moment product analysis shows a moderate relationship between the two variables, supporting the proposed hypothesis. This article recommends the use of the Canva application as an effective and efficient solution for prospective teacher leaders to enhance their creativity in creating content or teaching materials. This application provides ease and flexibility in graphic design, allowing prospective teacher leaders to create interesting and innovative teaching materials more easily. Furthermore, the findings of this research also emphasize the importance of utilizing technology in the field of education to provide a better and more meaningful learning experience.

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