



The Effect of the TikTok Application on the Bullying Behavior of Students in Elementary Schools

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Abstract. The increasing number of TikTok application users in adolescents in Indonesia will certainly affect one of the stages of child development, namely related to child behavior. Many bullying behaviors occur in schools, including in elementary schools. Bullying is an act of violence experienced by someone. The purpose of this study was to determine whether there was an influence of tiktok where in this study focused on the impact caused in terms of student character, namely the bullying behavior of students. This study uses quantitative methods with the type of descriptive survey research. Sampling was done by non-probability sampling method. Data collection was obtained by distributing questionnaires directly in one of the State Elementary Schools located in Batealit District, Jepara Regency to 50 respondents. The data analysis technique used in this research is simple linear regression analysis. The results of this study indicate that the Tiktok application has a positive and significant effect on Bullying Behavior of Students in Elementary Schools, this is obtained from the results of the t-count value of $12.740 \geq t$ table (2.009) and significance ($0.001 < 0.05$), then based on these results H1 is accepted and H0 is rejected. While the magnitude of the influence of the TikTok application on bullying behavior is 77.2%, then the remaining 22.8% is influenced by other variables outside of Variable (X) other TikTok applications not examined in this study.

Keywords: Tiktok · Application · Bullying Behavior · Students · Elementary School

1 Introduction

Bullying is an act of violence experienced by someone. Bullying is defined as physical intimidation, verbal, or psychological attacks carried out with the intention of causing fear, distress, or harm to a particular victim, with a stronger individual bullying a weaker person [1]. The legal basis for the prohibition of bullying on children has been regulated in Law no. 35 of 2014 concerning child protection, which is prohibited from placing, allowing, doing, ordering to do, or participating in committing violence against children. From data from the Indonesian Child Protection Commission (KPAI), cases of bullying

that occurred in elementary schools in 2016 found 81 victims and 93 perpetrators, in 2017 there were 129 victims and 117 perpetrators, in 2018 107 victims and 127 perpetrators were found. KPAI data also shows that bullying behavior ranks fourth in cases of child violence that occur in Indonesia [2].

There are many bullying behaviors that occur in schools, including in elementary schools [3]. Bullying behavior such as a group of students punching one of their friends because they don't accept being ridiculed causes a struggle, there are also students who are shunned by their friends because they are seen as easily emotional, there are also students who feel intimidated or ostracized by their friends because they come from poor families, so it caused him to be insecure, and choose to be alone. One of the causes of bullying is watching videos on social media. At this time social media is one of the main needs of the community, even these children do not want to be left behind related to social media [4]. One of the social media that is currently popular and its use is skyrocketing among the public and even children is Tik-Tok.

Tiktok app is a social network and Chinese music video platform which was launched in September 2016 [5]. Weak parental supervision also has an impact on children's dependence on gadgets. Children who are released to play gadgets without supervision usually lose track of time and often neglect their obligations [6].

Previously, there were several similar studies that linked social media with the character of children's manners. According to research conducted by Amaruddin, Atmaja and Khafid with the title "The Role of Families and Social Media in Forming Students' Polite Character in Elementary Schools" provides research results that social media does not have a positive impact on children, instead it seems to have a negative impact that damages and disturbs polite character. Polite child [7]. In a study conducted by Valiana, Suriana and Fazilla with the title "The Impact of Using the Tik Tok Application on the Character Development of Class VI Students of MIN 1 Aceh Utara" concluded the results of the study that TikTok contributed a negative impact on the character of children, namely children become lying to buy quotas, reduced etiquette disrespectful towards parents and grumpy, lazy to study, create negative content, and spend hours playing Tik-Tok [8]. Likewise, the research conducted by Luluk, Indah and Ikhsan with the title "The Impact of Using Tiktok Social Media on Islamic Behavior of Students in Yogyakarta" concluded that there were four positive impacts and three negative impacts of using the Tiktok application [9].

The results of the relevant research focus more on the impact of social media as well as the roles and efforts of parents that have been made to build children's manners. Both focus on the impact of Tik-Tok on character development. The third is on the negative and positive impact of the tiktok application on students. Of the three studies, none has focused on examining the impact of using the TikTok application in terms of student character, especially on student bullying behavior, and the difference is the research approach used. Therefore, this research is different from the research I took, which is more on the effect of tiktok on bullying behavior, especially in elementary school students.

There are differences in the results of research on the influence of tiktok on students' character or behavior, the positive influence of tiktok applications on children's characters is being able to cultivate positive characters in the lives of teenagers, such

as being more creative and cheerful [10]. Another positive impact is helping students and educators to be creative in creating learning media so that learning is effective and efficient [11]. The negative impact of the Tiktok application on children's characters is neglect of responsibility due to excessive use of social media entertainment, exposure of negative content such as hate speech, pornography, etc. [12]. It is not friendly to be seen by children who are still underage because there is no age limit in accessing tiktok which can contain violence, immorality and even pornography [13]. Therefore, further research is needed in the hope that it can be useful for students, researchers, education offices, and policy makers such as the Ministry of Education and Culture in the use of the TikTok application which is related to good behavior.

Based on observations that have been made on the Tik-Tok application, there have been many examples on the Tik-Tok application that children make video works that are not in accordance with their age development. Usually the content is about makeup and dance tutorials and even the theme of love which should not be appropriate for their age. Currently, many children ignore calls from their parents for playing with their cellphones, sometimes they get angry because they feel that their cellphone playing activities are disrupted. Mobile which was originally used for online learning, is now turning its function as a means of entertainment [14]. Not a few of them spend more time looking for fun through their cellphones than studying and interacting with the people around them.

As a person who cannot live alone, every individual needs to develop an attitude of social care in himself, especially elementary school students. From the three studies above, it can be concluded that tiktok media can affect children's morals. In addition, it will have a negative impact on children and make them forget about Islamic behavior that they should get used to from an early age. So, this study aims to determine whether there is an influence of tiktok where in this study focuses on the impact caused in terms of student character, namely on students' bullying behavior. From the problems above, a research was conducted with the title: "The Effect of Tik-Tok Applications on Students' Bullying Behavior in Elementary Schools".

Social media has both positive and negative influences, one of which is tiktok. The behavior of students in elementary schools such as bullying is usually caused by several factors, one of which is through videos they see on social media such as the tiktok application. Therefore, the uniqueness of this research will certainly make a valuable contribution in adding research that is in accordance with the challenges of the times. The results of this study are expected to be useful for students, researchers, education offices, and policy makers such as the Ministry of Education and Culture in using the TikTok application related to good behavior.

2 Method

This study uses a quantitative approach to determine whether there is an influence between two variables. This study aims to test the proposed hypothesis by describing and analyzing the interrelationships of the existing variables, the effect of the tik-tok application on the Bullying Behavior of Students in Elementary Schools using a quantitative approach. This study uses a descriptive survey method. Descriptive statistics to

describe the data from the sample collected to make a generalization. This opinion is in line with Sugiyono (2014) that descriptive analysis is a statistic used to analyze data by describing or describing the data that has been collected as it is without intending to make conclusions that apply to the public or generalizations [15].

In this study, researchers filtered data through phenomena that became the focus of researchers' attention so that it could be described as reality, namely regarding the effect of the tik-tok application on Bullying Behavior of Students in Elementary Schools, data collection was carried out by researchers in accordance with existing techniques and then processed using descriptive quantitative analysis method.

The population in this study were high school students in the District of Batealit, Jepara Regency. Because the high class only consists of three classes, the sampling technique used is a non-probability sampling technique in the form of a stratified proportionate random sampling technique. The researcher used the Slovin formula in calculating the sample size needed in this study. The Slovin formula can determine the minimum sample size (n) if it is known that the population (N) at the significance level is as follows:

$$\eta = \frac{N}{1 + Ne^2}$$

Information:

n = sample size.

N = population size.

e = significance level of 0.05. Percent of inaccuracy in sampling that can still be tolerated = 10%

Then proceed with the data formula using the *Proportionate Stratified Random Sampling* technique as follows:

$$\text{Sample number} = \frac{\text{subpopulation number}}{\text{population number}} \times \text{number of samples needed}$$

So the researcher took the specified sample of 50 students.

Data collection techniques used in this study were observation, questionnaires, and documentation. The data analysis technique begins by examining all available data from various sources, namely direct observation and questionnaires and documentation. Data analysis was conducted in a limited manner on what the subject did through a questionnaire. Researchers used simple linear regression analysis, where the influence of tiktok application (X) and bullying behavior (Y). The variable relationship model will be analyzed according to a simple linear regression equation: $\hat{y} = a + bX$.

3 Figures and Tables

Bullying is any form of oppression or violence that is intentionally carried out by a person or group of people who are more powerful towards other people, to disturb those who hurt and are carried out continuously [16]. This study aims to determine whether there is an influence of tiktok where in this study focuses on the impact caused in terms of student character, namely the bullying behavior of students. The following are the results of research based on calculations using the IBM SPSS application.

Table 1. Reliability Test Results

No	Variable	Alpha	Information
1	The effect of the tiktok app	0.847	Reliable
2	Bullying behavior	0.818	Reliable

Table 2. Correlation Test Results

Correlations			
		pengaruh tiktok	perilaku bullying
pengaruh tiktok	Pearson Correlation	1	.879**
	Sig. (2-tailed)		< .001
	N	50	50
perilaku bullying	Pearson Correlation	.879**	1
	Sig. (2-tailed)	< .001	
	N	50	50

** . Correlation is significant at the 0.01 level (2-tailed).

Table 3. Coefficient of Determination Analysis Results

Model Summary				
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.879 ^a	.772	.767	3.600

a. Predictors: (Constant), TIKTOK

Table 4. Simple Regression Analysis Results

Coefficients^a						
Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	7.118	2.840		2.506	.016
	TIKTOK	.824	.065	.879	12.740	< .001

a. Dependent Variable: BULLYING

Validity is one of the tools or devices to test and determine whether a research instrument is accurate [16]. Validity test is useful to find out to what extent the variable function can work. When the instrument can be measured then an instrument is said to

Table 5. Anova Test Results

ANOVA ^a						
Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	2103.905	1	2103.905	162.313	< .001 ^b
	Residual	622.175	48	12.962		
	Total	2726.080	49			

a. Dependent Variable: BULLYING

b. Predictors: (Constant), TIKTOK

be valid. With the calculation of $df = n - 2$ ($n =$ number of respondents) on the validity test refers to the degree of freedom (df) which refers to the calculated r value and r table with a significance value of 0.1. There are several conditions that are met, namely if the value of r count r table will be declared valid.

In this study, the validity test uses the degree of freedom (df) with a calculation of $df = n - 2$ ($50 - 2 = 48$) with a significance value of 0.05 using IBM SPSS which shows 30 questions on variable X, namely the Effect of TikTok Applications and variables Y, namely bullying behavior, it was found that r count r table (r table = 0.284).

Table 1 the results of the reliability test in this study using Cronbach's alpha reliability test, the results obtained in Variable X The Effect of TikTok Applications that is equal to 0.847, while for Variable Y namely Bullying Behavior of 0.818. The reliability test needs to be carried out on the research instrument from the questionnaire, so that the research results are of higher quality [17]. If the value of Cronbach's Alpha is closer to 1, this study will be considered more appropriate. There is a minimum limit that this research can be said to be reliable, if the reliability value is below 0.6 then it is said to be unreliable but if it is above 0.6 then this research is considered reliable [18]. This research is said to be reliable because the value of Cronbach's alpha in this study is above 0.6.

Table 2 correlation test results above Variable X, namely the TikTok application and Variable Y, namely bullying behavior, produces a significance value of 0.001 which is smaller than alpha (α) = 0.01. The results of the Effect of the TikTok Application on Bullying Behavior lead to a positive value of 0.879. This means that if it leads to a positive, the relationship between Variable X, namely the TikTok Application and Variable Y, namely Bullying Behavior, has a unidirectional relationship, the greater the use of the TikTok application, the greater the Bullying Behavior in students in one of the State Elementary Schools in Batealit District Jepara Regency.

Table 3 the results of the analysis of the coefficient of determination show that the value of the coefficient of determination R square is 0.772 or 77.2% which means that the effect of using the TikTok application on the bullying behavior of students in an elementary school in Jepara Regency is 77.2%, while for 22.8% is influenced by other variables apart from Variable (X) TikTok Application.

Table 4 the results of the simple regression analysis test the constant value in this study was 7.118. The value of the score indicates that with the use of the TikTok application, the consistency value of bullying behavior is 0.824. This means that Bullying Behavior

will change about 0.824 in every unit of change that occurs in the use of the TikTok application. From the results of the analysis, it is found that if the t-count value is greater than t-table, then H1 is accepted and H0 is rejected, namely the t-count value of 12.740 \geq t table (2.009).

If the number or direction of the regression coefficient has a positive value (+) then the direction of the line increases (up) but if it has a negative value (-) then the direction of the line decreases (down). In this study, the positive regression value can be stated that the use of the TikTok application has a positive effect on the bullying behavior of students in an elementary school in Jepara Regency. The regression equation is $\hat{y} = 7.118 + 0.824 X$.

Table 5 the results of the ANOVA test can be seen if the significance test value of ANOVA F count is 162,313 with a significance level of $0.001 \leq 0.05$, with this H1 is accepted and H0 is rejected. These results prove that Variable X, namely the TikTok application, greatly affects Variable Y, namely the bullying behavior of students at an elementary school in Jepara Regency.

Based on the research results, the results of the X and Y variables can be explained. This study focuses on the effect of the TikTok application on the bullying behavior of students in elementary schools. The Tik Tok application has several negative effects, including wasting time making a video for Tik Tok as well as directing someone to carry out acts of bullying and harassment [19]. Students who have the Tik Tok application are used to ridicule people, communities, religions, races to body shaming, show anti-social personalities or lack of social interaction resulting from addiction to playing Tik Tok, and make students anti-social, and insomnia [20]. It is unfortunate when the characters involved in the education system should be able to understand, feel, appreciate, and practice the values of virtue (moral), be it moral knowing, moral feeling and moral action that must be instilled from an early age so as to encourage the birth of a good children (good human) [21]. However, with the current situation, they are even worse off in the development of the technological age that makes them lose their self-awareness.

In this study, it was found how much influence the tiktok application had on the bullying behavior of students in elementary schools. The results of data analysis in this study revealed that the tiktok application had a significant influence on bullying behavior. This can be stated by the results that have been obtained from the simple linear regression test that has been done previously and the t-count is obtained at $12.740 \geq$ t table (2.009) and the significance ($0.001 < 0.05$), the authors can conclude that H0 is rejected and H1 is accepted, where it means that the tiktok application has a significant effect on students' bullying behavior in elementary schools.

The results of data processing and data analysis based on the coefficient of determination showed that the tiktok application (X) contributed 77.2% to bullying behavior (Y). While for 22.8% is influenced by several other variables apart from the variable (X) of the TikTok application. Such bullying behavior is influenced by various factors of individuals, families, schools, and communities. Among the individual factors, there are behavioral problems, school problems, and socio-emotional problems [22]. Among family factors, there are parenting styles and family environment [23]. School

factors include school norms and school atmosphere [24]. Meanwhile, community factors include relationships with peers, environmental characteristics, and economic status [25].

4 Conclusion

From the results of research conducted by researchers, it can be concluded that the tiktok application has an influence on bullying behavior. From the results of the study it was found that there was a significant effect between the use of the TikTok application and the bullying behavior of students in elementary schools. This is evidenced by the results obtained from the simple linear regression test that has been carried out previously and the t-count obtained is $12.740 \geq t \text{ table } (2.009)$ and the significance ($0.001 < 0.05$), because based on these results H1 is accepted and H0 is rejected with a percentage value of 77.2%, while for 22.8% it is influenced by other variables other than Variable (X) the TikTok application. Based on the results of the regression equation data, the regression coefficient value is positive (+), so it can be said that the use of tiktok application has a positive effect on bullying behavior with regression equation $\hat{y} = 7.118 + 0.824 X$. It has meaning if a bullying behavior will change approximately 0.824 for any change unit that occurs in the use of the tiktok application.

The researcher in this study can only adapt existing measuring tools or devices. For further research, the concepts and theories used in the research are more mature so that they can explore each aspect more, they should be developed again. For further research, it is recommended to add other variables that have a greater influence on bullying behavior. Adding the subject is not only high class, it can even be another school that is considered to have the same problem.

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