

Nama : Suci Musvita Ayu
 Niy : 60110622
 Judul Artikel : Physical and psychological violence in dating with stress among adolescents during the COVID-19 pandemic

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#20764 Summary

SUMMARY REVIEW EDITING

Submission

Authors Suci Musvita Ayu, Liena Sofiana, Nurul Karina Sabrina
 Title Physical and psychological violence in dating with stress among adolescents during the COVID-19 pandemic
 Original file [20764-39216-1-SM.DOCX](#) 2020-11-30
 Supp. files None
 Submitter Suci Musvita Ayu
 Date submitted November 30, 2020 - 04:35 PM
 Section Maternal_and_Reproductive_Health
 Editor Veronique Gucht (Review)
 Ellina Lytvyak (Review)
 Jennifer Spencer (Review)
 Abstract Views 285

Status

Status Published Vol 10, No 3: September 2021
 Initiated 2021-06-24
 Last modified 2021-07-14

SUMMARY REVIEW EDITING

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 Jennifer Spencer (Review)

Peer Review

Round 1

Review Version [20764-39217-1-RV.DOCX](#) 2020-11-30
 Initiated 2020-12-01
 Last modified 2021-01-19
 Uploaded file Reviewer F [20764-39411-1-RV.DOCX](#) 2021-01-18

Editor Decision

Decision Accept Submission 2021-01-24
 Notify Editor  Editor/Author Email Record  2021-01-24
 Editor Version None
 Author Version [20764-39443-1-ED.DOCX](#) 2021-01-23 [DELETE](#)
[20764-39443-2-ED.DOCX](#) 2021-01-28 [DELETE](#)

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 Initiated: 2020-12-01
 Last modified: 2021-01-19
 Uploaded file: Reviewer F [20764-39411-1-RV.DOCX](#) 2021-01-18

Editor Decision

Decision: Accept Submission 2021-01-24
 Notify Editor: Editor/Author Email Record 2021-01-24
 Editor Version: None
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[20764-39443-2-ED.DOCX](#) 2021-01-28 [DELETE](#)
 Upload Author Version:

International Journal of Public Health Science (IJPHS)
 p-ISSN: 2252-8806, e-ISSN: 2620-4126

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3. Final Copyedit File: None	—	—	—

Copyedit Comments

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International Journal of Public Health Science (IJPHS)
 p-ISSN: 2252-8806, e-ISSN: 2620-4126

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Physical and psychological violence in dating with stress among adolescents during the Covid-19 Pandemic

Suci Musvita Ayu¹, Liena Sofiana², Nurul Karina Sabrina³
Faculty of Public Health, Universitas Ahmad Dahlan, Indonesia

Article Info

Article history:

Received Jun 9, 2018
Revised Nov 20, 2018
Accepted Jan 11, 2019

Keywords:

Physical violence in dating
Psychological violence in dating
Stress
Teenage dating

ABSTRACT

Currently, the juvenile delinquency trend is still very high. Dating violence (DV) is one of the delinquencies that teenagers often commit. DV have negative impacts in the form of physical and psychological impacts. Physical impacts can include bruises, fractures. Meanwhile, the psychological impact can be in the form of depression, stress, anxiety, and sleep problems. This study aims to analyze the relationship between physical and psychological violence in dating stress among adolescents. This study used a cross-sectional design. Sample of this study were 314 students (15-19 years) in Bantul chosen through a purposive sampling technique. Data analysis using multiple logistic regression. The results showed that there was a significant relationship towards stress, namely gender (p-value = 0.050), physical violence (p-value = 0.000), and psychological violence (p-value = 0.000). Age (p-value = 0.653) and parents' income (p-value = 0.100) had no significant relationship to stress. Psychological violence variable (p-value = 0.000; OR = 6,285, 95%; CI = 3,683-10,726) was the most dominant in triggering stress in adolescents. So, there is a relationship between gender, physical and psychological violence in dating with the incidence of stress among adolescents in Bantul Regency during the Covid-19 pandemic.

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Corresponding Author:

Suci Musvita Ayu,
Faculty of Public Health,
Universitas Ahmad Dahlan,
Jl. Prof. Dr. Soepomo, Janturan, Yogyakarta (55164), Indonesia.
Email: suci.ayu@ikm.uad.ac.id

1. INTRODUCTION

Dating Violence (DV) is a phenomenon that often occurs around us. DV is still everywhere regardless of origin, ethnicity and region [1]. Nearly one-third of women in the world who are in a relationship have experienced physical or sexual violence by their partner [2]. Violence has a direct impact on women's health. In some cases, violence can even be fatal.

Consequently, physical and mental health can also have a lasting effect even after the violence has stopped [3]. Partner violence is one of the most painful and traumatic experiences because it destroys interpersonal trust and a sense of security [4]. DV that often occurs in adolescents usually in the form of physical, economic, psychological, mental, and sexual violence. Physical DV can include kicking, hitting, and pinching. In the mental structure of excessive jealousy, coercion, and harsh treatment in public. In the

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economic form, dating violence can be in the form of the perpetrator borrowing money or goods without ever returning it. Violence in the form of psychology, for example, insults, comparing one's partner with others, and excessive jealousy. Meanwhile, violence in the form of sexuality can be in the form of coercion to have sexual relations, rape or other acts [5].

Dating violence occurs a lot in Indonesia. The Ministry of Women's and Children's Empowerment stated that 42.7% of unmarried women had experienced violence, and 2,090 of the 10,847 perpetrators of violence are boyfriends/friends [6]. According to the Annual Record (CATAHU), in 2017, there were 1873 cases of violence and an increase of 200 cases in 2018 [7]. The Women Empowerment Service for Child Protection and Family Planning (DP3AKB) reported that the DV rate reached 703 cases, while in district courts, there were 216 cases. According to CATAHU, the age characteristics of DV victims are in the range of 13-18 years, and the perpetrators are 19-24 years [8].

In 2018, there were 980 cases of violence against women in the Special Region of Yogyakarta and was ranked sixth in Indonesia. In 2015 in Bantul District, there were 90 cases of violence against women, then increased to 94 cases in 2016 and 131 cases in 2017 [7]. There were 74 cases of dating violence in Bantul Regency in 2017 and an increase of 80 cases in 2018 [9]. According to previous research, there were 30.83% of young women who experienced physical violence. A total of 34.17% participated in sexual violence, namely kissing forcibly. 25.85% of young women experience economic violence because they have to buy phone credit for their boyfriend/partner. 17.50% experienced emotional violence because their boyfriend/partner made them laugh [10].

2. RESEARCH METHOD

This type of research was a quantitative study with purposive sampling technique of data collection. This study used a cross-sectional approach. The research population used was 32,815 students at the high school level in Bantul Regency. The number of samples were 314 students. The sample inclusion criteria were students aged 15-19 years and already or currently dating. In contrast, the exclusion criteria were unwillingness to become respondents, students who had never been dating and students who did not fill the questionnaire.

Identification of the relationship between the variables of age, gender, parental income, physical and psychological violence and stress events using bivariate analysis. Odds ratio and hypothesis testing used the Chi-square statistic at the 5% significance level. Multivariate analysis used multiple logistic regression to produce an adjusted odds ratio.

3. RESULTS AND DISCUSSIONS

3.1. Respondent characteristics

Table 1 describes the frequency distribution of characteristics of high school students in Bantul Regency, Yogyakarta. Most of the respondents were 15-16 years old. Most of the respondents are female. There were 34% of respondents come from 10th grade, and more than 58% of respondents have parental income with category ≤ 1,750,500.

Characteristics	Frequency (N)	Percent (%)
Age (years)		
15-16	172	54.8
17-18	142	45.2
Gender		
Female	241	76.8
Male	73	23.2
Grade		
10 th	107	34.1
11 th	106	33.8
12 th	101	32.2
Parents' income (IDR)		
≤ 1.750.500	183	58.3
> 1.750.500	131	41.7
Total	314	100

3.2 Univariate analysis

Table 2 shows that all respondents have experienced physical and psychological violence. Most of the respondents of the study were experienced in the low category of physical violence. In the psychological

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Please explain what the impact of DV among women?

Please explain what government do to decreasing the number of DV each year?

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violence variable, respondents experienced violence in the High category. The level of stress in the Low category of respondents was 6.4% higher than the High category.

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Table 2. Univariate analysis

Variable	Frequency (N)	Percent (%)
Physical Violence		
High	109	34.7
Low	205	65.3
Psychological Violence		
High	140	44.6
Low	174	55.4
Stress		
High	147	46.8
Low	167	53.2
Total	314	100

Table 3 and Table 4 describes the forms of physical and psychological violence experienced by adolescents. Based on Table 3, the most frequent physical violence experienced by adolescents is "pushed or pulled" with a percentage of around 16%. The rare act of violence was "clothes being torn off and beating or slapping" with a portion of 6% each. Based on Table 4, the psychological violence most often experienced by adolescents is to bring up the past with a percentage of 7%. Meanwhile, the least amount of psychological violence was Forcing to have sex with a ratio of 3%.

Table 3. Physical violence in adolescents

Physical Violence	Frequency (N)	Percent (%)
Hit or punch	67	7
Slap	59	6
Scratching	71	8
Hand twist	74	8
Slamming	74	8
Push or pull	154	16
Bite	75	8
Suffocate	76	8
Forcing off the vehicle	98	10
Injuring with a hard object	73	8
Tearing clothes	57	6
Forcing to have sex	62	7

Table 4. Psychological violence in adolescents

Psychological Violence	Frequency (N)	Percent (%)
Underestimating	210	4
Demanding obedience	273	6
Angry when reprimanded	238	5
Demanding sexual intercourse	155	3
Limiting association	301	6
Limiting friends of the opposite sex	263	6
Scolding in front of others	225	5
Stingy	229	5
Underestimating academic abilities	226	5
Yelling and shouting	224	5
Disrespect feelings	278	6
Make fear	237	5
Treat it like a fool	221	5
Rough	240	5
Mocking appearance	219	5
Threatening	222	5
Bring up the past	308	7
Insulting in front of friends	202	4
Scare	207	4
Saying hurtful things	256	5

3.3 Bivariate analysis

Table 5 describes the results of the bivariate test. The results of the chi-square test showed that adolescents aged 15-16 years, and respondents who had parents with an income \leq 1,750,500 experienced low stress. However, the stress levels on these two variables were not statistically significant. Based on gender, female respondents experienced stress in the low category, and it was statistically significant. Respondents

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who experienced both physical and psychological violence have a high level of stress and statistical significance.

Table 5. Bivariate analysis

Variable	Stress				Total	p-value	OR CI 95%
	High		Low				
	N	(%)	N	(%)			
Age (years)							
15-16	83	48.3	89	51.7	172	0.653	1.137 (0.728-1.775)
17-19	64	45.0	78	55.0	142		
Gender							
Female	105	43.6	136	57.4	241	0.050	0.570 (0.336-0.968)
Male	42	57.5	31	42.4	73		
Parents' Income (IDR)							
≤ 1.750.500	78	42.6	105	57.3	183	0.100	0.667 (0.425-1.048)
> 1.750.500	69	52.6	62	47.4	131		
Physical Violence							
High	73	66.9	36	33.1	109	0.000	3.590 (2.198-5.862)
Low	74	36.0	131	64.0	205		
Psychological Violence							
High	100	71.4	40	28.6	140	0.000	6.755 (4.112-11.098)
Low	47	27.0	127	73.0	174		
Total					314		

3.4 Multivariate analysis

Table 6 describes the results of the multivariate test using logistic regression analysis.

Table 6. Multivariate analysis (Logistic regression)

Variable	Stress			Odds Ratio (95% CI)	
	High	Low	Total	Unadjusted	Adjusted
	(%)	(%)	(n)		
Age (years)					
15-16	48.3	51.7	172	1.137 [0.728-1.775]	1.615 [0.953-2.737]
17-19	45.0	55.0	142		
Gender					
Female	43.6	57.4	241	0.570 [0.336-0.968]	0.520 [0.282-0.958]
Male	57.5	42.4	73		
Parents' Income					
≤1.750.500	42.6	57.3	183	0.667 [0.425-1.048]	0.852 [0.504-1.439]
>1.750.500	52.6	47.4	131		
Physical Violence					
High	66.9	33.1	109	3.590 [2.198-5.862]	2.655 [1.540-4.578]
Low	36.0	64.0	205		
Psychological Violence					
High	71.4	28.6	140	6.755 [4.112-11.098]	6.285 [3.683-10.726]
Low	27.0	73.0	174		
Total			314		

Relationship between age and stress

Based on Table 6, after adjusting, the OR value of the age variable has increased from 1.137 to 1.615. Thus, adolescents aged 15-16 years were 1.615 times more likely to experience stress but it was not statistically significant (AOR = 1.615; CI = 0.953-2.737; p-value = 0.643). Adolescents who are still underage show a tendency to behave as desired. At this stage, adolescents are more relaxed in doing activities or at will, so they tend not to get stressed easily. Especially amid the current pandemic, students are working on assignments from home and tend to be more relaxed. So that there is no coercion or deadline to make them depressed.

This study is in line with research by [11], which states that age does not have a significant effect on stress (p = 0.382). However, [Dosil \(2020\)](#) found that age affects the incidence of violence. [Suwartika et al. \(2014\)](#) stated that there is a relationship between age and the incidence of stress in adolescents with a value of p = 0.039. The reason is that as an adult, someone is usually more skilled at managing stress than adolescents and the elderly. The causes of stress in adolescents are various, one of which is the social environment of the individual. Psychosocial stressors are stress caused by social, environmental stressors [14].

Relationship between gender and stress

The OR value on the gender variable has decreased from 0.570 to 0.520. Thus, adolescent girls have a 0.520 times greater chance of experiencing stress and this is statistically significant (AOR = 0.520; CI = 0.282-0.958; p-value = 0.050). Researchers assume that women are more prone to experiencing stress because women tend to be more thinkers than men; women are more likely to think about a problem excessively and make it vulnerable to stress. Besides, women's lives, in general, are greatly influenced by their romantic relationships, so that when problems arise in their relationships, women are more prone to experiencing stress than men.

This research is in line with research conducted by Nasrani & Purnawati, which states that women are more likely to experience stress, which causes anxiety and fear [11]. According to Hafifah, sex differences affect the incidence of stress [15]. Women express more of what happens to themselves. At the same time, men prefer to control their emotions, accept the problems they are experiencing, do not think about stressful situations, and make efforts to solve a problem. Violence is related to the gender of adolescents, apart from that the parenting factor is also significant [16].

Relationship between Parents' income and stress

Statistically, the parents' income has no significant relationship with stress. However, adolescents with parental income $\leq 1,750,500$ have a 0.852 times greater chance of experiencing stress than adolescents with parental income $> 1,750,500$. In this situation, adolescents tend to want to show their identity in everything, including in economic terms. Teens look for ways to meet their needs, even with the consequences they have to work. When they get what they want, they will feel calmer and stress-free. These findings reinforce the results which found a meaningless relationship between parental income and stress levels in adolescents [17]. Respondents who have low income have a lower chance of experiencing stress than those with high income [18]. This study contrasts found that there is a significant relationship between stress and income levels [19]. Expenditures more significant than income will trigger stress in family members [20].

Relationship between physical violence and stress

The OR value on the physical violence variable has decreased from 3,590 to 2,655. So that adolescents who experience low physical violence have a 2,655 times greater chance of experiencing stress and it is statistically significant (AOR = 2,655; CI = 1,540-4,578; p-value = 0,000). The reality shows that even though the dominant teenager experiences violence at a low level, there is still the potential for violence in the high category. Adolescents consider the treatment-experienced is trivial or natural. So that it seems that he allows the treatment to be experienced repeatedly without any anticipation for him. During a pandemic like this, there are still many cases of physical violence in dating. Even though they are doing social distancing, there are still many teenagers who meet their boyfriends/partners, although not as often as usual. Due to the reduced frequency of meetings, it makes teenagers more emotional, suspicious, possessive, feels less cared for by their boyfriends, and becomes jealous more easily. These feelings can lead to physical violence when they meet. For example, during a pandemic like this, teenagers do more activities on social media, such as Tik-Tok, Instagram, Twitter, Facebook and WhatsApp, where all social media users can like and comment on posts they make. This situation makes the perpetrator feel jealous of his girlfriend/partner who interacts with the opposite sex. Thus triggering physical violence against victims.

These findings are in line with research violence often occurs among dating partners, but they do not consider it a serious or even avoided problem [21]. Women are more likely to commit acts of physical violence to their partners [22]. Physical violence in the mild category significantly increases depression, anxiety, and post-traumatic stress disorder (PTSD). Research conducted shows that there is a significant relationship between physical violence experienced by respondents at work and the incidence of work stress [23]. Respondents who experienced physical violence from a partner, 144 (79.6%) reported that they experienced verbal abuse and researchers found that physical violence received was related to the incidence of stress in workers [24].

Relationship between psychological violence and stress

The OR value for psychological violence decreased from 6,755 to 6,285. Thus, adolescents who experienced severe psychological violence were 6,285 times more likely to experience stress and it was statistically significant (AOR = 6,285; CI = 3,683-10,726; p-value = 0,000). In times of pandemics like now, couples who initially had close relationships turned into long-distance relationships. As a result, there is a reduction in meeting frequency directly. This triggers the partner always to overthink and tend to think about

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things that are not sure which can lead to negative perceptions. Due to limited communication due to the pandemic, partners tend to be more irritable, become more jealous and possessive. Moreover, worse, there is an assumption that they experience it naturally as an expression of affection for their partner.

According to the PKBI [25], psychological violence in dating is the most common occurrence during the Covid-19 pandemic. Social restrictions that occurred during the pandemic made violence easy for adolescents, especially psychological violence. Psychological violence in dating is often not realized by victims and perpetrators because they feel that it is a manifestation of love for their partners [26]. According to Kemenpppa [8], violence in dating generally occurs because the victim does not feel or know that the act committed by his partner is an act of violence. So they consider it a sign of affection and fairness. Psychological violence in dating has a psychological impact on adolescents such as fear, closing themselves off from the outside world, stress, decreased academic grades, lazy activities, heartache, the crisis of trust in others, trauma, and anger.

This psychological impact is in line with the results of Safitri research that violence in dating, psychological, physical, and sexual violence can have an impact on the emergence of stress on the victim [27]. According to victims of DV, become afraid, cry, have trouble sleeping, hate men, and raise suspicion against men [28]. This incident shows that every act of violence has a positive correlation with the mental health of victims of violence (anxiety, depression, stress, and suicide). The results of this study are in line with the reports of communication difficulties, and self-defence is factored in the occurrence of violence in boyfriends among adolescents [27],[29]. Even psychological violence is associated with an increase in suicide attempts in boys and girls [30].

4. CONCLUSION

Based on the results of the analysis and previous discussion, the incidence of stress is related to gender, the incidence of physical and psychological violence in adolescents. The multivariate analysis shows that the most dominant factor that triggers stress in adolescents is psychological violence. Younger age is more prone to experience stress by 1,615 times, and it is not significant. Women have the opportunity to experience stress 0.520 times, and it is statistically significant. Low income of parents is more prone to stress by 0.852 times, and it is not statistically significant. Physical and psychological violence are significantly related to the level of stress experienced by adolescents. Adolescents with mild physical violence are more prone to experiencing stress 2,655 times, and adolescents with severe psychological violence are more prone to experiencing stress by 6,285 times.

This finding contributed significantly to providing information related to the relationship between physical and psychological violence incidents with the stressful incidence in dating adolescents during the Covid-19 pandemic. The results reported can be used as material for evaluation and policymaking by stakeholders. However, this research is still limited to quantitative analysis due to pandemic conditions. The researcher suggests that further research focuses on qualitative analysis through in-depth interviews to obtain more comprehensive information.

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Physical and psychological violence in dating with stress among adolescents during the COVID-19 pandemic

Suci Musvita Ayu, Liena Sofiana, Nurul Karina Sabrina

Faculty of Public Health, Universitas Ahmad Dahlan, Indonesia

Article Info

Article history:

Received Nov 30, 2020

Revised May 22, 2021

Accepted Jun 13, 2021

Keywords:

Dating

Physical violence

Psychological violence

Stress

Teenagers

ABSTRACT

Currently, the juvenile delinquency trend is still very high. Dating violence (DV) is one of the delinquencies that teenagers often commit. DV has negative impacts in the form of physical and psychological impacts. Physical impacts can include bruises, fractures. Meanwhile, the psychological impact can be in the form of depression, stress, anxiety, and sleep problems. This study aimed to analyze the relationship between physical and psychological violence in dating stress adolescents. This study used a cross-sectional design. Sample of this study was 314 students (15-19 years) in Bantul chosen through a purposive sampling technique. Data analysis was using multiple logistic regressions. The results showed that there was a significant relationship towards stress, namely gender (p-value=0.050), physical violence (p-value=0.000), and psychological violence (p-value=0.000). Age (p-value=0.653) and parents' income (p-value=0.100) had no significant relationship to stress. Psychological violence variable (p-value=0.000; OR=6.285, 95%; CI=3.683-10.726) was the most dominant in triggering stress in adolescents. So, there were relationships between gender, physical and psychological violence in dating with the incidence of stress among adolescents in Bantul Regency, Yogyakarta, Indonesia during the COVID-19 pandemic.

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Corresponding Author:

Suci Musvita Ayu

Faculty of Public Health

Universitas Ahmad Dahlan

Jl. Prof. Dr. Soepomo, Janturan, Yogyakarta (55164), Indonesia

Email: suci.ayu@ikm.uad.ac.id

1. INTRODUCTION

Dating violence (DV) is a phenomenon that often occurs around us. DV is still everywhere regardless of origin, ethnicity and region [1]. Nearly one-third of women in the world who are in a relationship have experienced physical or sexual violence by their partner [2]. Violence has a direct impact on women's health. In some cases, violence can even be fatal.

Consequently, physical and mental health can also have a lasting effect even after the violence has stopped [3]. Partner violence is one of the most painful and traumatic experiences because it destroys interpersonal trust and a sense of security [4]. DV that often occurs in adolescents usually in the form of physical, economic, psychological, mental, and sexual violence. Physical DV can include kicking, hitting, and pinching. In the mental structure of excessive jealousy, coercion, and harsh treatment in public. In the

economic form, dating violence can be in the form of the perpetrator borrowing money or goods without ever returning it. Violence in the form of psychology, for example, insults, comparing one's partner with others, and excessive jealousy. Meanwhile, violence in the form of sexuality can be in the form of coercion to have sexual relations, rape or other acts [5].

Dating violence occurs widely in Indonesia. The Ministry of Women's and Children's Empowerment stated that 42.7% of unmarried women had experienced violence, and 2,090 of the 10,847 perpetrators of violence are boyfriends/friends [6]. According to the Annual Record (CATAHU) in 2017, there were 1,873 cases of violence and an increase of 200 cases in 2018 [7]. The women empowerment service for child protection and family planning (DP3AKB) reported that the DV rate reached 703 cases, while in district courts, there were 216 cases. According to CATAHU, the age characteristics of DV victims are in the range of 13-18 years, and the perpetrators are 19-24 years [7]. The age of 13-18 years, many of them are victims of dating violence because of the average age of dating adolescents. They tend to have dating relationships at that age.

In 2018, there were 980 cases of violence against women in the Special Region of Yogyakarta and was ranked sixth in Indonesia. In 2015 in Bantul District, there were 90 cases of violence against women, then increased to 94 cases in 2016 and 131 cases in 2017 [7]. There were 74 cases of dating violence in Bantul Regency in 2017 and an increase of 80 cases in 2018 [8]. According to previous research, there were 30.83% of young women who experienced physical violence. A total of 34.17% participated in sexual violence, namely kissing forcibly. The 25.85% of young women experience economic violence because they have to buy phone credit for their boyfriend/partner. The 17.50% experienced emotional violence because their boyfriend/partner made them laugh [9].

In the current pandemic era, we are required to work and learn from home, teenagers/students are no exception. Adolescents become social restrictions and tend to only do activities at home. Dating adolescents were also targeted in this study because couples were more likely to interrogate the activities that the partner was doing, more often asked what they were doing, with whom, and so on. This makes the partner uncomfortable in the relationship, because he feels intimidated or restrained (possessive). The impact of violence in dating in various ways, ranging from being too possessive, easily jealous, committing physical violence, such as hitting, pushing, or slapping, even to having sexual relations and murder. So far the government has made various efforts to reduce the number of violence that has occurred, starting from cooperation in the social sector, psychiatry and the police. but because this phenomenon is like an iceberg phenomenon so it must be done more closely or in-depth interviews to be able to uncover the problem [9].

2. RESEARCH METHOD

This research was a purposive sampling technique and design is a cross-sectional approach. The research population used was 32,815 students at the high school level in Bantul Regency. The numbers of samples were 314 students. The sample inclusion criteria were students aged 15-19 years and already or currently dating. In contrast, the exclusion criteria were unwillingness to become respondents, students who had never been dating and students who did not fill the questionnaire.

Identification of the relationship between the variables of age, gender, parental income, physical and psychological violence and stress events using bivariate analysis. Odds ratio and hypothesis testing used the Chi-square statistic at the 5% significance level. Multivariate analysis used multiple logistic regressions to produce an adjusted odds ratio.

3. RESULTS AND DISCUSSION

3.1. Respondent characteristics

Table 1 describes the frequency distribution of characteristics of high school students in Bantul Regency, Yogyakarta, Indonesia. Most of the respondents were 15-16 years old. Most of the respondents are female. There were 34% of respondents come from 10th grade, and more than 58% of respondents have parental income with category $\leq 124,85$ USD or IDR 1,750,500.

3.2. Univariate analysis

Table 2 shows that all respondents have experienced physical and psychological violence. Most of the respondents of the study were experienced in the low category of physical violence. In the psychological violence variable, respondents experienced violence in the High category. The level of stress in the Low category of respondents was 6.4% higher than the High category.

Table 3 and Table 4 describe the forms of physical and psychological violence experienced by adolescents. Based on Table 3, the most frequent physical violence experienced by adolescents is "pushed or pulled" with a percentage of around 16%. The rare act of violence was "clothes being torn off and beating or

slapping" with a portion of 6% each. Based on Table 4, the psychological violence most often experienced by adolescents is to bring up the past with a percentage of 7%. Meanwhile, the least amount of psychological violence was Forcing to have sex with a ratio of 3%.

Table 1. Demographics of respondents

Characteristics	Frequency (n)	Percent (%)
Age (years)		
15-16	172	54.8
17-18	142	45.2
Gender		
Female	241	76.8
Male	73	23.2
Grade		
10 th	107	34.1
11 th	106	33.8
12 th	101	32.2
Parents' income (IDR)		
≤124,85 USD (1,750,500)	183	58.3
>124,85 USD (1,750,500)	131	41.7
Total	314	100

Table 2. Univariate analysis

Variable	Frequency (n)	Percent (%)
Physical Violence		
High	109	34.7
Low	205	65.3
Psychological Violence		
High	140	44.6
Low	174	55.4
Stress		
High	147	46.8
Low	167	53.2
Total	314	100

Table 3. Physical violence in adolescents

Physical violence	Frequency (n)	Percent (%)
Hit or punch	67	7
Slap	59	6
Scratching	71	8
Hand twist	74	8
Slamming	74	8
Push or pull	154	16
Bite	75	8
Suffocate	76	8
Forcing off the vehicle	98	10
Injuring with a hard object	73	8
Tearing clothes	57	6
Forcing to have sex	62	7

Table 4. Psychological violence in adolescents

Psychological Violence	Frequency (N)	Percent (%)
Underestimating	210	4
Demanding obedience	273	6
Angry when reprimanded	238	5
Demanding sexual intercourse	155	3
Limiting association	301	6
Limiting friends of the opposite sex	263	6
Scolding in front of others	225	5
Stingy	229	5
Underestimating academic abilities	226	5
Yelling and shouting	224	5
Disrespect feelings	278	6
Make fear	237	5
Treat it like a fool	221	5
Rough	240	5
Mocking appearance	219	5
Threatening	222	5
Bring up the past	308	7
Insulting in front of friends	202	4
Scare	207	4
Saying hurtful things	256	5

3.3. Bivariate analysis

Table 5 describes the results of the bivariate test. The results of the chi-square test showed that adolescents aged 15-16 years, and respondents who had parents with an income ≤124,85 USD (IDR 1,750,500) experienced low stress. However, the stress levels on these two variables were not statistically significant. Based on gender, female respondents experienced stress in the low category, and it was statistically significant. Respondents who experienced both physical and psychological violence have a high level of stress and statistical significance.

Table 5. Bivariate analysis

Variable	Stress				Total	p-value	OR CI 95%
	High		Low				
	n	(%)	n	(%)			
Age (years)							
15-16	83	48.3	89	51.7	172	0.653	1.137 (0.728-1.775)
17-19	64	45.0	78	55.0	142		
Gender							
Female	105	43.6	136	57.4	241	0.050	0.570 (0.336-0.968)
Male	42	57.5	31	42.4	73		
Parents' Income (IDR)							
≤ 124.85 USD (Rp. 1.750.500)	78	42.6	105	57.3	183	0.100	0.667 (0.425-1.048)
> 124.85 USD (Rp. 1.750.500)	69	52.6	62	47.4	131		
Physical Violence							
High	73	66.9	36	33.1	109	0.000	3.590 (2.198-5.862)
Low	74	36.0	131	64.0	205		
Psychological Violence							
High	100	71.4	40	28.6	140	0.000	6.755 (4.112-11.098)
Low	47	27.0	127	73.0	174		
Total					314		

3.4. Multivariate analysis

Table 6 describes the results of the multivariate test using logistic regression analysis. This table shows that Psychological violence variable (p-value=0.000; OR=6.285, 95%; CI=3.683-10.726) was the most dominant in triggering stress in adolescents.

Table 6. Results of multivariate analysis (Logistic regression)

Variable	Stress			Odds Ratio (95% CI)	
	High	Low	Total	Unadjusted	Adjusted
	(%)	(%)	(n)		
Age (years)					
15-16	48.3	51.7	172	1.137 [0.728-1.775]	1.615 [0.953-2.737]
17-19	45.0	55.0	142		
Gender					
Female	43.6	57.4	241	0.570 [0.336-0.968]	0.520 [0.282-0.958]
Male	57.5	42.4	73		
Parents' Income					
≤124,85 USD (IDR 1,750,500)	42.6	57.3	183	0.667 [0.425-1.048]	0.852 [0.504-1.439]
>124,85 USD (IDR 1,750,500)	52.6	47.4	131		
Physical Violence					
High	66.9	33.1	109	3.590 [2.198-5.862]	2.655 [1.540-4.578]
Low	36.0	64.0	205		
Psychological Violence					
High	71.4	28.6	140	6.755 [4.112-11.098]	6.285 [3.683-10.726]
Low	27.0	73.0	174		
Total			314		

3.4.1. Relationship between age and stress

Based on Table 6, after adjusting, the OR value of the age variable has increased from 1.137 to 1.615. Thus, adolescents aged 15-16 years were 1.615 times more likely to experience stress but it was not statistically significant (AOR=1.615; CI=0.953-2.737; p-value=0.643). Adolescents who are still underage show a tendency to behave as desired. At this stage, adolescents are more relaxed in doing activities or at will, so they tend not to get stressed easily. Especially amid the current pandemic, students are working on assignments from home and tend to be more relaxed. So that there is no coercion or deadline to make them depressed.

This study is in line with research by [10], which states that age does not have a significant effect on stress (p=0.382). However, Dosil [11] found that age affects the incidence of violence. Suwartika *et al.*, [12] stated that there is a relationship between age and the incidence of stress in adolescents with a value of p=0.039. The reason is that as an adult, someone is usually more skilled at managing stress than adolescents and the elderly. The causes of stress in adolescents are various, one of which is the social environment of the individual. Psychosocial stressors are stress caused by social, environmental stressors [13].

3.4.2. Relationship between gender and stress

The OR value on the gender variable has decreased from 0.570 to 0.520. Thus, adolescent girls have a 0.520 times greater chance of experiencing stress and this is statistically significant (AOR=0.520; CI=0.282-0.958; p-value=0.050). Researchers assume that women are more prone to experiencing stress because women tend to be more thinkers than men; women are more likely to think about a problem excessively and make it vulnerable to stress. Besides, women's lives, in general, are greatly influenced by their romantic relationships, so that when problems arise in their relationships, women are more prone to experiencing stress than men.

This research is in line with research conducted by Nasrani and Purnawati, which states that women are more likely to experience stress, which causes anxiety and fear [12]. According to Hafifah, sex differences affect the incidence of stress [14]. Women express more of what happens to them selves. At the same time, men prefer to control their emotions, accept the problems they are experiencing, do not think about stressful situations, and make efforts to solve a problem. Violence is related to the gender of adolescents, apart from that the parenting factor is also significant [15]. Women have a tendency to accept treatment, do not consider the violence they experience to be something to be avoided, they also consider men to be stronger than women.

Relationship between Parents' income and stress statistically, the parents' income has no significant relationship with stress. However, adolescents with parental income \leq 124,85 USD (IDR 1,750,500) have a 0.852 times greater chance of experiencing stress than adolescents with parental income $>$ 124,85 USD (IDR 1,750,500). In this situation, adolescents tend to want to show their identity in everything, including in economic terms. Teens look for ways to meet their needs, even with the consequences they have to work. When they get what they want, they will feel calmer and stress-free. These findings reinforce the results which found a meaningless relationship between parental income and stress levels in adolescents [14]. Respondents who have low income have a lower chance of experiencing stress than those with high income [16]. Respondents who have low income focus on their needs and interests in fulfilling their daily lives. While those who have high incomes focus on the environment and always want to keep updating according to the times. This study contrasts found that there is a significant relationship between stress and income levels [17]. Expenditures more significant than income will trigger stress in family members [18].

3.4.3. Relationship between physical violence and stress

The OR value on the physical violence variable has decreased from 3.590 to 2.655. So that adolescents who experience low physical violence have a 2.655 times greater chance of experiencing stress and it is statistically significant (AOR=2.655; CI=1.540-4.578; p-value=0.000). The reality shows that even though the dominant teenager experiences violence at a low level, there is still the potential for violence in the high category. Adolescents consider the treatment-experienced is trivial or natural. So that it seems that he allows the treatment to be experienced repeatedly without any anticipation for him. During a pandemic like this, there are still many cases of physical violence in dating. Even though they are doing social distancing, there are still many teenagers who meet their boyfriends/partners, although not as often as usual. Due to the reduced frequency of meetings, it makes teenagers more emotional, suspicious, and possessive, feels less cared for by their boyfriends, and becomes jealous more easily. These feelings can lead to physical violence when they meet. For example, during a pandemic like this, teenagers do more activities on social media, such as Tik-Tok, Instagram, and Twitter, Facebook and WhatsApp, where all social media users can like and comment on posts they make. This situation makes the perpetrator feel jealous of his girlfriend/partner who interacts with the opposite sex. Thus triggering physical violence against victims.

These findings are in line with research violence often occurs among dating partners, but they do not consider it a serious or even avoided problem [19]. Women are more likely to commit acts of physical violence to their partners [20]. Physical violence in the mild category significantly increases depression, anxiety, and post-traumatic stress disorder (PTSD). Research conducted shows that there is a significant relationship between physical violence experienced by respondents at work and the incidence of work stress [21]. Respondents who experienced physical violence from a partner, 144 (79.6%) reported that they experienced verbal abuse and researchers found that physical violence received was related to the incidence of stress in workers [22].

3.4.4. Relationship between psychological violence and stress

The OR value for psychological violence decreased from 6.755 to 6.285. Thus, adolescents who experienced severe psychological violence were 6.285 times more likely to experience stress and it was statistically significant (AOR=6.285; CI=3.683-10.726; p-value=0.000). In times of pandemics like now, couples who initially had close relationships turned into long-distance relationships. As a result, there is a reduction in meeting frequency directly. This triggers the partner always to overthink and tends to think

about things that are not sure which can lead to negative perceptions. Due to limited communication due to the pandemic, partners tend to be more irritable, become more jealous and possessive. Moreover, worse, there is an assumption that they experience it naturally as an expression of affection for their partner.

According to the *Perkumpulan Keluarga Berencana Indonesia* (PKBI) [23], psychological violence in dating is the most common occurrence during the COVID-19 pandemic. Social restrictions that occurred during the pandemic made violence easy for adolescents, especially psychological violence. Psychological violence in dating is often not realized by victims and perpetrators because they feel that it is a manifestation of love for their partners [24]. According to Kemenpppa [8], violence in dating generally occurs because the victim does not feel or know that the act committed by his partner is an act of violence. So they consider it a sign of affection and fairness. Psychological violence in dating has a psychological impact on adolescents such as fear, closing themselves off from the outside world, stress, decreased academic grades, lazy activities, heartache, the crisis of trust in others, trauma, and anger.

This psychological impact is in line with the results of Safitriresearch that violence in dating, psychological, physical, and sexual violence can have an impact on the emergence of stress on the victim [25]. According to victims of DV, become afraid, cry, have trouble sleeping, hate men, and raise suspicion against men [26]. This incident shows that every act of violence has a positive correlation with the mental health of victims of violence (anxiety, depression, stress, and suicide). The results of this study are in line with the reports of communication difficulties, and self-defence is factored in the occurrence of violence in boyfriends among adolescents [23], [27]. Even psychological violence is associated with an increase in suicide attempts in boys and girls [25].

4. CONCLUSION

Based on the results of the analysis and previous discussion, the incidence of stress is related to gender, the incidence of physical and psychological violence in adolescents. The multivariate analysis shows that the most dominant factor that triggers stress in adolescents is psychological violence. Younger age is more prone to experience stress by 1.615 times, and it is not significant. Women have the opportunity to experience stress 0.520 times, and it is statistically significant. Low income of parents is more prone to stress by 0.852 times, and it is not statistically significant. Physical and psychological violence are significantly related to the level of stress experienced by adolescents. Adolescents with mild physical violence are more prone to experiencing stress 2.655 times, and adolescents with severe psychological violence are more prone to experiencing stress by 6.285 times.

This finding contributed significantly to providing information related to the relationship between physical and psychological violence incidents with the stressful incidence in dating adolescents during the COVID-19 pandemic. The results reported can be used as material for evaluation and policymaking by stakeholders. However, this research is still limited to quantitative analysis due to pandemic conditions. The researcher suggests that further research focuses on qualitative analysis through in-depth interviews to obtain more comprehensive information.

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