

# **Resilience in Disasters: A Survey to The University Students in Lampung Province**

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### ABSTRACT

Pandemics create various impacts in all sectors of life and groups. Youth who include student groups in University are vulnerable, even though they have good socio-economic categorization. The resilience of this group is facing the pandemic will have a positive social, political and economic impact on disaster recovery efforts. This study aimed to determine the degree of student groups resilience in Lampung Province in the covid-19 pandemic. The research method uses a quantitative approach with a questionnaire instrument distributed in a google form format and distributed to a sample group. Students who are active at state universities in Lampung Province. The findings of this research answer the anxiety of several parties regarding the resilience of student groups in dealing with various impacts of the pandemic.

Keywords: Resilience, Pandemic, Disaster Management, Higher Education.

### **1. INTRODUCTION**

The Covid-19 pandemic that hit in 2020 had various impacts on many parties, including student groups. Their position as a group of young people studying at a university with various demands and varied workloads [1]. During the pandemic, habits that had previously been carried out were forced to adapt but still carry out their role as students. Resilience capacity then becomes an important thing to study considering these conditions [2]. Resilience is the concept of an individual's ability to overcome, go through, and return to its original condition after experiencing difficulties [3]. Increasing resilience is important because it can provide experience for individuals in dealing with problems and difficulties in their lives [4]. Resilience consists of seven aspects that support each other [5]; the identification of these aspects and indicators can be seen in the following table:

Table 1. Aspects of Resilience and	d it	5
Indicators		

No	Aspects of	Indicators	Sub Indicators
1	Emotion Regulation	Able to remain calm when under pressure	<ol> <li>Not anxious or stressed in dealing with problems</li> <li>Not easily angry or sad</li> <li>Stay focused on what is being done</li> </ol>
		Easy to	1. Easy to get
		socialize	along with other

No	Aspects of	Indicators	Sub Indicators		
			people		
			2. Have lots of		
			friends		
			3. Fun for other		
			people		
			1. Not blaming		
			others		
		N-4	2. Not being		
		INOL	violent to others		
		aggressive	3. Not imposing		
			your will on		
			others		
2	Impulse		1. Not		
2	Control		overreacting to		
			something		
		Able to	2. Able to hold		
		control yourself	your anger		
			3. No easily		
			influenced by the		
			surrounding		
			environment		
			1. Dare to express		
			opinions to others		
		Daliavina in	2. Understanding		
		one's abilities	one's strengths		
		one's admittes	and admitting		
			weaknesses in		
	Ontimism		oneself		
3	(Ontimism)		1. Not easily		
	(Optimism)		discouraged		
			2. Trying to be		
		Having high	happy even		
		spirits	though they have		
		-	serious problems		
			3. Try harder if		
			they fail		

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No	Aspects of	Indicators	Sub Indicators			
			1. Able to			
			understand the			
			causes of			
			problems			
		Identify	encountered			
		problems	2. Able to find			
		encountered	solutions to			
	Ability to		problems they			
	Analyze		have			
4	Problems		3. Not rash in			
	(Causal		making decisions			
	Analysis)		1. Realize that			
			humans have			
			limitations			
		Able to think	2. Dislike			
		with common	imagining			
		sense	3. Thinking by			
			looking at the			
			reality that exists			
			1. Can understand			
	Abl nc la Empathy	Able to grasp non-verbal language	other people's			
			conditions			
			2. Sensitive to the			
			surrounding			
			environment			
			3. Willing to			
			listen to other			
			people's			
5			complaints			
			1. Do not have			
			certain judgments			
			on everyone			
		Also, feel	2. Able to			
		what other	position thyself			
		people feel	on the side of			
			2 Have a talarant			
			5. nave a tolerant			
			1 Confidence in			
			being able to			
			solve the			
			problems			
			encountered			
		Having a	2 Convinced to			
		strong belief	be able to change			
			for the better			
_	Self-		3. Having a good			
6	Efficacy		attitude in dealing			
			with problems			
			1. Dare to admit			
			misunderstanding			
		Bearing	2. Completing			
		everything	tasks completely			
		about oneself	3. Ready to bear			
			the consequences			
			of his actions			

No	Aspects of	Indicators	Sub Indicators
7	Achieveme nt	Reawakening the spirit possessed from adversity	<ol> <li>Believing there will be wisdom in every problem</li> <li>Easy to forgive others</li> <li>Trying to rise from sadness</li> </ol>
1	Out)	Able to be free from trauma in life	<ol> <li>Able to accept the reality of life</li> <li>Not carried away by the past</li> <li>Focus on designing the future</li> </ol>

Student and student groups are a reasonably large segment where the total population in Lampung Province in 2019 is 9,302,935 people; their number ratio covers 14.90% [6]. Based on the description and urgency of resilience capacity, there are several issues in this article: first, how is the resilience capacity of student groups during the pandemic? Secondly, what are the implications that stakeholders and decision-makers need to follow up?

# 2. RESEARCH METHODS

This research was conducted with a quantitative approach and used a survey method. The population in this study were all active students in Lampung Province, while the sampling used was accidental sampling. According to [7], Accidental Sampling is a sampling technique based on chance; that is, any patient who coincidentally meets a researcher can be used as a sample if it is deemed that the person who happened to be met is suitable as a data source [8]. This sampling frame is related to the questionnaire instrument, made in a google form and distributed online to student groups in Lampung Province in the April-June 2020 period. The questionnaire consists of 7 aspects and 17 questions arranged on a Likert scale. After this period, it was known that 240 respondents answered the questionnaire, but then it was found that two respondents did not fill in the full answer so that the total respondents' answers were 238. The distribution of the sample includes several universities in Lampung Province, as follows:

	<b>_</b>	
No	Region	Sample
1	Lampung University	103
2	UIN Radin Intan	72
3	Polinela	56
4	Itera and others	7
	Total	238

Table 2. Number of samples in the study

Following the type of research, quantitative data were analyzed using descriptive statistics using MS. Excel and SPSS. The use of MS. Excel in determining the scale and range of scales is for measuring the category of resilience assessment, while SPSS is used to analyze the questionnaire data obtained. The technique for determining the scale and scale range can be observed in the section below: Determination of the Scale Range (RS) is carried out with the help of the following formula:

-
Formula: nx(N-1)/N
RS = 238 * (5-1)/5
RS = 190

Then the scale limit is determined as follows: MIN = 1 xn 238 MAX = 5 xn 1190

The next step is to determine the scale using the scale range and the scale limit, while the scale used is in the Very Good to Very Bad range so that a range of scale values is produced as follows:

Scale	Formula Ra	Value Scale			
Very Good	MIN + 4RS + 1	MIN + 5RS	999	-	1188
Good	MIN + 3Rs + 1	MIN + 4RS	809	-	998
Simply Good	MIN + 2RS + 1	MIN + 3Rs	619	-	808
Not Good	MIN + 1RS + 1	MIN+2RS	429	-	618
Very Not Good	MIN	MIN+RS	238	-	428

This value range will be used to analyze the resilience of student groups based on the previously filled out questionnaire. Data analysis is carried out on each indicator and includes data analysis of all indicators.

# 3. RESULTS AND DISCUSSION

Based on distribution of answers obtained from the questionnaire, a score value and categorization coverage of each indicator and sub-indicator are generated, which are spread into seven aspects of resilience in the face of the Covid-19 pandemic disaster. Most of the values of these sub-indicators and indicators indicate the mental condition of students who can maintain good conditions, although if observed in detail, it will be found that several subindicators have values below the excellent category. In more detail, the distribution can be observed from the table below:

Table 4. Distribution of V	alues and Categorization of Stu	dent Group Resilience

No	Aspect	Indicator	Sub Indicator	SI	Ind	Kat	Asp	Kat		
		Able to remain colm	Not anxious or stressed	924						
		when under pressure	Not easily angry or sad	848	877	В				
1	Emotion	when under pressure	Stay focused in activities	859			005	B		
1	Regulation		1. Easy to get along with other people	976			905	Б		
		Easy to socialize	2. Have lots of friends	1007	943	В				
			3. Pleasing to others	854				i l		
					1. Not blaming others	874	874			
		Not aggressive	2. Not using violence	931	930	930	В			
2	Immulas Control		3. Not forcing one's will	984			014	В		
2	Impulse Control	Able to control	1. Not overreacting	968			914			
		Able to collutor	2. Able to hold anger	860	894	В				
		onesell	3. Not easily influenced	854						
		Delieving in one's	1. Dare to express opinions	812						
3	Ontimism	abilition	2. Understanding one's strengths and		664	CB 910	<b>8</b> 10	ъ		
	Optimism	abilities	weaknesses	515			819	Б		
		Having high spirits	1. Not easily discouraged	876	897	В	]			

No	Aspect	Indicator	Sub Indicator	SI	Ind	Kat	Asp	Kat	
			2. Trying to be happy even though he gets						
			press questions	805					
			3. Try harder	1011					
	A 1- 11:4 4	Identify the	1. Understand the causes of problems	805				D	
	Additity to	problems	2. Able to find solutions to problems	800	820	В			
4	nrohlama	encountered	3. Not rash in decisions	855			060		
4	(Causal	Able to think with	1. Aware of having limitations	990			909	Б	
	(Causai Analysis)		2. Does not like to fantasize	962	985	В			
	Anarysis)	common sense	3. Thinking with reality	1003					
			1. Can understand other people's						
		Able to grasp non-	conditions	923	020	р			
		verbal language	2. Sensitive to the environment	921	929	D			
-	Encoder		3. Willing to listen to complaints	944			0.69	р	
5	Empathy		1. Do not have certain judgments on			908	В		
		Also, feel what people other people feel 2. Able to po 3. Have an a	people	886	985	р			
			2. Able to position oneself	1067		D			
			3. Have an attitude of tolerance	1003					
	Self-Efficacy			1. Confident in being able to solve					
		Have strong beliefs	problems	921	959	D		_	
			2. Confidence in being able to change for			в			
			the better	997			989	В	
						_			
6			3. Having a good attitude in dealing with	002	992	В			
0			1 Having ani admits not compat	992					
			information	076					
		Bearing everything	2. Complete the tests completely	0/0					
		about oneself	2. Complete the task completery	940	990	В	974	В	
		about oneben							
			3. Ready to bear the consequences	953					
			1. Believing there will be wisdom	1005					
		Re-spirit possessed	2 Easy to forgive others	802	1				
		from adversity	• •		955	В			
7	Achievement	from adversity					072.5	в	
7	(Reaching Out)		3. Trying to get up from sadness	1058			112.5	Б	
		Able to be free from	1. Accept the reality of life	1076		_			
	trauma in life	trauma in life	2. Do not get carried away in the past	940	990	В			
			3. Focus on designing the future	953					

The table above shows that almost all sub-indicators have value in the scale range categorized B (Good). It appears that only one sub-indicator is in the CB category (good enough), namely believing in one's own ability in the aspect of optimism. It shows that the student group already had good resilience in the early pandemic, although they felt vulnerable with the optimism aspect. In addition, several other subindicators are also of particular note in this research. This particular note will later correlate with the implications that decision-making groups must make. The identification of these sub-indicators is presented in the following table:

**Table 5. Identification of Sub-Indicators With Special Notes** 

No	Sub-Indicators	Score	Aspect
1	Trying to be happy even if they get a problem	805	Optimism
2	Understanding the causes of problems	805	Ability to analyze problems
3	Able to find solutions to problems	800	Ability to analyze problems
4	Easily forgive others	802	Achievements The

The table above shows several aspects and subindicators that can be a gap for student resilience vulnerabilities in the face of the Covid-19 pandemic. The sub-indicator of the ability to entertain themselves in the aspect of optimism shows a condition where students feel they have lost the opportunity to socialize and entertain each other with their friends [9]. The sub-indicator of understanding the causes of problems and the ability to find solutions to problems in the aspect of problem analysis skills shows that they experience conditions that are vulnerable to exposure to misinformation, mainly when it refers to the freedom to use social media, which is very commonly accessed by them [3]. Furthermore, the sub-indicator of forgiving others in the achievement aspect shows that students harbour emotions towards those who cause socioeconomic problems during this pandemic [10]. Some sub-indicators indicate that students' vulnerability still covers aspects of their internal capacity, not aggressive towards other parties. However, this condition has several implications that stakeholders must follow up. The identification can be observed from the following table:

Table 6. Identification of Issues and Implicationsin Student Group Resilience

No	Identification of	Implications	
	Issues		
1	Vulnerability of	The need for	
	optimism in student	educational therapy	
	groups, especially in	interventions and	
	terms of the ability to	management of	
	entertain themselves	public information	
		that is entertaining	
		and self-motivated	
2	Vulnerability of	The need for	
	student groups to	intervention in the	
	experience	management of	
	information bias,	public information,	
	especially in receiving	specifically related to	
	information related to	Hoax and	
	the causes of socio-	Disinformation.	
	economic problems		
	caused by the		
	pandemic.		
3	vulnerability of	The need for	
	student groups to	campaigns and	
	disinformation,	dissemination of	
	especially regarding	correct and valid	
	solutions to problems	information on public	
	generated during the	information channels.	
	pandemic.		
4	Vulnerability of	The need for mutual	
	student groups to	support and trauma	
	experience emotional	healing movements	
	conditions, especially	through public	
	those considered to	information channels	
	have caused various	or social media.	
	problems during the		
	pandemic.		

Some of the implications in the table above indicate the need for several interventions or movements to overcome various issues around the resilience of student groups during the pandemic. Some interventions are educative, structured, neutralizing and trauma healing through various information channels, both formal and non-formal [11]. The resilience of a community group requires support from many parties or other groups that become the environment of the student group [12]. The capacity building is parallel with all parties and requires policy and institutional initiatives to maintain coordination.

# 4. CONCLUSION

The resilience capacity of student groups in Lampung Province in dealing with the Covid-19 pandemic is in a Good category, where almost all indicators and subindicators are in the Good scale range. However, there are several sub-indicators of particular note. The category of the scale range on the sub-indicator is below the average value of the other subindicators. The sub-indicators that become special notes become the background for several implications that need to be followed up or intervened by stakeholders or policymakers. In the future, it is necessary to conduct a more detailed study of the factors that can maintain optimal resilience capacity.

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