

## MANAGEMENT STRESS OF STUDENT IN SOUTH SULAWESI DURING THE PANDEMIC COVID-19

# Fadly Umar<sup>1</sup>, Yudi Adnan<sup>2</sup>, Anita Mariani<sup>3</sup>, Tuti Alawiah<sup>4</sup>, A. Irna Nurul Fuady Imran<sup>5</sup>, Indah Cahyani Haris<sup>6</sup>, Munadiah Wahyuddin<sup>7</sup>

<sup>1</sup>Akademi Kebidanan Graha Ananda, Palu, Indonesia

<sup>2,3,4,5,6</sup> Departement of Public Health, Faculty of Medicine and Health Science, UIN Alauddin Makassar, Indonesia

<sup>7</sup> STIKES Marendeng Majene, Majene, Indonesia

## ARTICLE INFORMATION

Received	: November 16 <sup>th</sup> , 2021
Revised	: November 30 <sup>th</sup> , 2021
Available online	: February 27th, 2022

#### CORRESPONDENCE

Phone: -

Email: yudi.adnan@yahoo.com

#### KEYWORDS

Management Stres; Student; Pandemic Covid 19

#### ABSTRACT

**Background**: The stipulation of COVID-19 as a global pandemic has made the Indonesian government make several strategic policies to avoid the transmission of this virus, one of which is online lectures. However, it cannot be denied that there are constraints faced by students such as non-existent networks, running out of internet packages, homework that must be done as well, and piling up lecture assignments cause them to experience stress.

**Objective**: The purpose of this study was to determine the stress level of students during online lectures during the COVID-19 pandemic.

**Method**: This study uses a quantitative research with an observational analytic approach with a cross sectional study design. The population in this study were students from State Universities South Sulawesi. The sample in this study were 133 respondents using accidental sampling method

**Result**: The results of statistical tests, that most of the respondents had a normal stress level (42.9%), age variable value p value = 0.301> 0.05, gender p value = 0.172> 0.05, institution origin p value = 0.367> 0.05, semester level p value = 0.474> 0.05, study program p value = 0.199> 0.05, and performance index p value = 0.075

*Conclusion:* It was concluded that all the independent variables are not related to student stress levels.

## **INTRODUCTION**

The COVID-19 pandemic that first appeared at the end of 2019 in Wuhan, China made the world community worried. The spread of COVID-19 to other countries is very fast and increasingly widespread, resulting in many being exposed and infected with COVID-19. This makes governments from various countries make efforts to minimize the spread of the corona virus. So that in the end every country enforces *stay at home* (stay at home) for the whole community.

The incidence of COVID-19 according to WHO data as of October 11, 2020 2:45 pm CEST reached 37,109,851 people with a death toll of 1,070,355. Meanwhile in Indonesia, the number of COVID-19 sufferers reached 328,952 people with a death rate of 11,765 people (WHO, 2020). The high number of incidents and potential deaths has made many parties try to break the chain of transmission of Covid-19 in various ways, such as the implementation of PSBB, changing the school and lecture system to an online system, and appeals to the whole community for *physical distancing* and wearing masks.

The stipulation of COVID-19 as a global pandemic has prompted the Indonesian government to make several strategic policies to avoid the transmission of this virus. During the current spread of the corona virus (COVID-19), it has had its own impact on the education sector in Indonesia. The government through its circular also ordered all learning activities to be carried out at home (school/college from home/online) and work from home (*Work From Home*). Educational institutions ranging from preschool to college are temporarily closed. Learning activities are carried out remotely. College students are also feeling the impact and consequences of COVID-19. Lecture activities are carried out remotely through applications that support lecture activities. Various *platforms* can be used by students to assist them in doing assignments, undergoing the lecture process, reporting lecture activities online.

However, it is undeniable that there are obstacles that occur during the online lecture process. Constraints faced by students such as non-existent networks, exhausted internet packages, homework that must be done too, and lecture assignments that have piled up. Various academic demands that must be completed by students cause them to experience stress. The inability of students to adapt to these circumstances makes them experience stress (Harahap, et al, 2020).

Stress is defined as the body's nonspecific response to demands made on it or to disturbing events in the environment. It is not just a stimulus or response but rather it is a process by which individuals understand and cope with environmental threats and challenges (Omar and Alhabeeb, 2018). Stress is pressure that occurs due to a mismatch between the desired situation and expectations (Barseli, et al, 2017).

Academic stress is influenced by internal and external pressures experienced by students during learning activities (Qian and Fuqiang, 2018). This is almost in line with the opinion of Edward P. Sarafino (2011) which explains stress as a condition interaction caused by the between individuals and the environment, causing a perceived difference between the demands that come from situations originating in biological, psychological, and social systems. from someone. Wilks in (Omar and Alhabeeb, 2018) academic stress is defined as the body's response to academic-related demands that exceed students' adaptive abilities. It is estimated that 10-30% of students experience some level of academic stress during their academic career. In small amounts, stress is normal and can help individuals become more active and productive. However, very high levels of stress experienced for a long time can cause significant mental and physical problems (Omar and Alhabeeb, 2018). The purpose of this study is to determine the stress level of students at various universities during the COVID-19 pandemic.

## **METHODS**

The type of research used is quantitative research with an observational analytic approach with adesign *cross sectional*, namely a study that studies the relationship of independent variables, namely gender, age, institution of origin, semester level, study program, and achievement index with the dependent variable being the level of academic stress at students at the same time.

This research was conducted in September 2020. The population in this study were students from three State Universities in South Sulawesi, namely students from UIN Alauddin Makassar, Hasanuddin University, and Makassar State University, with a total sample of 133 students. The sampling method used *accidental sampling technique*.

Data collection was carried out for a week using an online questionnaire via google form. Collecting data on samples of gender, age, institutional origin, achievement index, semester level, and study program, using demographic data while on the level of student academic stress using the DASS 42 scale (*Depression Anxiety and Stress Scale* 42) which has been modified and selected 14 items. questions to measure stress levels (Lovibond, SH and Lovibond, 1995).

## RESULTS

This research was conducted on students at State Universities in South Sulawesi, namely students from UIN Alauddin Makassar, Hasanuddin University, and Makassar State University in September 2020. Hospital Management Studies Journal (Homes Journal) Volume 3 No. 1, February 2022 ISSN: 2746-878X (Print), 2746-8798 (Online)

Table 1. Distribution	i oi Kespono	uents
Characteristics		
Characteristics of	F	%
Respondents		
Age		
18 Years	1	8
19 Years	14	10.5
20 Years	46	34.6
21 Years	61	45.9
22 Years	9	6.8
23 Years	2	1.5
Total	133	100
Gender		
Male	17	12.8
Female	116	87.2
Total	133	100
Origin of		
Institution	78	58.6
UIN Alauddin	10	
Makassar	23	17.3
Hasanuddin		
University	32	24.1
Makassar		
State		
University	133	100
Total		
Semester		
Level		
Semester	16	12
3	24	18
Semester 5	89	66.9
Semester 7	4	3
Semester 9	133	100
Total		
Study		
Programs	58	43.6
Health	75	56.4
Non-Health		
Achievement		
Index	60	45.1
Cumlaude	48	36.1
	25	18.8

Table 1. Distribution of Respondent	Table 1.	<b>Distribution</b>	of Respondents
-------------------------------------	----------	---------------------	----------------

Very	133	100
Satisfactory		
Satisfactory		
Total		
Stress Levels		
Normal	57	42.9
Mild	27	20.3
Stress	36	27.1
Moderate	11	8.3
Stress	2	1.5
SevereSevere	133	100
Stress		
VeryStress		
Total		
Source: Primary	Data, 2020	

Table 1 shows that of 133 respondents, the most students are21 years old as many as 61 (45.9%), the of respondents majority respondents are female, 116 respondents (87.2%), most of them are from UIN Alauddin Makassar as many as 78 respondents (58.6%), dominated by 7th semester students as many as 89 respondents (66.9%), the majority of nonhealth study programs were 75 respondents (56.4%), and the most had aachievement index cum laude as many as 60 respondents (45.1%). The majority of students' stress levels were still at normal levels as many as 57 respondents (42.9%) and at least students experienced very severe stress levels as many as 2 respondents (1.5%).

Char	acteristics of	No	rmal	N	ſild	S	tress	St	ress	Stre	ss Very	Т	Р		
						Moderate		Severe		Sever	Severe Stress				
		n	%	n	%	n	%	n	%	n	%	n	%		
Age	18 Years	0	0.0	0	0.0	0	0.0	1	0.8	0	0.0	1	0.8		
	19 Years	8	6.0	2	1.5	2	1.5	2	1.5	0	0.0	14	10.5		
	20 Years	18	13.5	7	5.3	17	12.8	2	1.5	2	1.5	46	34.6	0.301	
	21 Years	24	18.0	16	12.0	16	12.0	5	3.8	0	0.0	61	45.9		
	22 Years	6	4.5	2	1.5	0	0.0	1	0.8	0	0.0	9	6.8		
	23 Years	1	0.8	0	0.0	1	0.8	0	0.0	0	0.0	2	1.5		
	Total	57	42.9	27	20.3	36	27.1	11	8.3	2	1.5	133	100		

Table 2. Analysis of the Relationship between Age and Student Stress Levels

#### Source: SPSS Processed Data, 2020.

Table 2. shows the results of the analysis of the relationship between age and stress levels in students. The results of this study indicate that the most respondents experience stress in a normal level as many as 24 respondents (18.0%) at the age of 21 years. Statistical test results obtained *p* value of 0.301 > 0.05, it can be concluded that there is no significant difference between age and stress levels of students.

						St	ress Lev	els						
Charao	Characteristics of		Normal		Mild		Stress Moderate		Stress Severe		Stress Very Severe Stress		Total	
		n	%	n	%	Ν	%	n	%	n	%	Ν	%	
Gender	Male	9	6.8	6	4.5	1	0.8	1	0.8	0	0.0	17	12.8	0.172
	Female	48	36.1	21	15.8	35	26.3	10	7.5	2	1.5	116	87.2	
r	Fotal	57	42.9	27	20.3	36	27.1	11	8.3	2	1.5	133	100	

## Source: SPSS Processed Data, 2020.

Table 3. shows the results of the analysis of the relationship between gender and stress levels in students. The results showed that the most respondents experienced stress in a normal level as many as 48 respondents (36.1%) and were female. The results of statistical tests obtained *p* value of 0.172 > 0.05, it can be concluded that there is no relationship between gender and student stress levels.

Charac	cteristics	Normal		StressLi ght		MediumStre ss		Stress Heavy		Stress Massive		Total		Р
		n	11	n	5%	n	%	n	%	n	%	Ν	%	
Home	UINAM	33	%	20	15.0	18	13.5	6	4.5	1	0.8	78	58.6	
Institutio	UNHAS	13	24.8	2	1.5	5	3.8	2	1.5	1	0.8	23	17.3	0.367
n	UNM		9.8		3.8	13	9.8	3	2.3	0	0.0	32	24.1	
			8.3											
Тс	otal	57	42.9	27	20.3	36	27.1	11	8.3	2	1.5	133	100	

Table 4. Analysis of the relationship between the Home Institution Students Stress Level

Source: SPSS Processed Data, 2020.

Table 4. shows the results of the analysis of the relationship between the origin of the institution and the level of stress in students. The results showed that the most respondents experienced stress in a normal level as many as 33 respondents (24.8%) and came from UIN Alauddin Makassar. The results of statistical tests obtained *p* value of 0.367 > 0.05, it can be concluded that there is no significant difference between the origin of the institution and the stress level of students.

Table 5. Analysis of Relationship between Level Semester with Mahasisw Stress Levels

						St	ress Level	S						
Chara	cteristics	Normal		StressLi ght		MediumStre ss		Stress Heavy		Stress Very Serious		Total		Р
		n	3%	n	%	n	%	n	%	n	%	n	n	
Level	Semester 3	8	6.0	2	1.5	3	2.3	3	2.3	0	0.0	16	8	
Semester	Semester 5	9	6.8	5	3.8	8	6.0	2	1.5	0	0.0	24	9	0.474
	Semester 7	37	27.8	19	14.3	25	18.8	6	4.5	2	1.5	89	37	
	Semester 9		2.3	1	0.8	0	0.0	0	0.0	0	0.0	4	3	
Т	otal	57	42.9	27	20.3	36	27.1	11	8.3	2	1.5	133	100	

## Source: SPSS Processed Data, 2020.

Table 5. shows the results of the analysis of the relationship between semester level and stress levels in students. The results showed that the most respondents experienced stress in normal levels as many as 37 respondents

(27.8%) and were at the 7th semester level. The statistical test results obtained *p* value of 0.474 > 0.05, so it can be concluded that there is no significant difference between semester levels. with student stress levels.

						St	tress Leve	els						
Charac	teristics of	Normal		Mild		Stress Moderate		Stress Severe		Stress Very Severe Stress		Total		Р
		n	%	n	%	n	%	n	%	n	%	n	%	
Study	Health	31	23.3	11	8.3	12	9.0	3	2.3	1	0.8	58	100	0 100
Program	Non-	26	19.5	16	12.0	24	18.0	8	6.0	1	0.8	75	100	0.199
	Health													
Т	otal	57	42.9	27	20.3	36	27.1	11	8.3	2	1.5	133	100	

Table 6. Analysis of the Relationship between Study Programs and Student Stress Levels

## Source: SPSS Processed Data, 2020

Table 6. shows the results of the analysis of the relationship between study programs with the level of stress in students. The results showed that the most respondents experienced stress in a normal level as many as 31 respondents (23.3%) and came from health study programs. The results of statistical tests obtained *p* value of 0.199 > 0.05, it can be concluded that there is no relationship between the study program and the stress level of students.

Table 7. Analysis of the Relationship between Achievement Index and Student Stress Level

						St	tress Leve	el						
Characteristics of		Normal		Mild		Stress Moderate		Stress Severe		Str	ess Very	Total		Р
										Heavy Stress				
		n	%	n	%	n	%	n	%	n	%	n	%	
Achieve	Cumlaude	22	16.5	14	10.5	18	13.5	5	3.8	1	0.8	60	45.1	
ment	Very	28	21.1	6	4.5	10	7.5	33	2.3	1	0.8	48	36.1	0.075
Index	Satisfactory													
	Satisfactory	7	5.3	7	5.3	8	6.0	3	2.3	0	0.0	25	18.8	
,	Total	57	42.9	27	20.3	36	27.1	11	8.3	2	1.5	133	100	

## Source: SPSS Processed Data, 2020.

Table 7. shows the results of the analysis of the relationship between achievement index and stress levels in students. The results showed that the most respondents experienced stress in a normal level as many as 28 respondents (21.1%) with a very satisfactory achievement index. The results of statistical tests obtained *p* value of 0.075 > 0.05, it can be concluded that

there is no significant difference between the achievement index and the stress level of students.

#### DISCUSSION

#### **Characteristics of Respondents**

This research data was obtained from 133 respondents consisting of South Sulawesi State Universities students from UIN Alauddin Makassar as many as 78 respondents, Hasanuddin University as many as 23 respondents, and Makassar State University as many as 32 respondents with the most studentsaged 21 years. as many as 61 (45.9%), respondents the majority of respondents were female as many as 116 respondents (87.2%), the most came from UIN Alauddin Makassar as many as 78 respondents (58.6%), dominated by 7th semester students as many as 89 respondents (66.9%), the majority of non-health study programs are 75 respondents (56.4%), and the most have aachievement index cum laude as many as 60 respondents (45.1%). The majority of students' stress levels were still at normal levels as many as 57 respondents (42.9%) and at least students experienced very severe stress levels as many as 2 respondents (1.5%). Over time, students adapt to various mechanisms so that levels of stress-related hormones return to normal. This is what allows 42.9% of students' stress levels to be in the normal category. However, for students who are not able to adapt to online learning, the level of stress-related hormones will increase along with the implementation of online learning (Maulana et al., 2020). This can happen related to a person's experience in dealing with stressors, when someone has often been exposed to the same stressor with the same pattern, someone will get used to it and consider the stressor as a normal thing. With the same stressors, students are able to make adaptations that are accepted so that students can control the level of academic stress (Hamzah and Hamzah, 2020).

#### Age with Student Stress Level

The results showed that the most respondents experienced stress in a normal level as many as 24 respondents (18.0%) at the age of 21 years. Statistical test results obtained *p* value of 0.301 > 0.05, it can be concluded that there is no significant difference between age and stress levels of students.

The results of this study are not in line with Hamzah's research (2020) which examined 204 students from STIKes Graha Medika who obtained avalue of p 0.001 < 0.05 which indicates there is a relationship between age and academic stress levels in STIKes Graha Medika students. Age is very closely related to a person's experience in dealing with stressors, so that the older a person gets, the better a person's ability to manage stress will be, so that the level of academic stress at an increasing age gets lower with the same stressor characteristics.

In another study, this is in line with research conducted by Maulana et al (2020) which examined 144 students who were taking Business Statistics courses during online learning who obtained avalue p = 0.921 > 0.05, so it can be concluded that there is no effect of age on the level of student stress in the age range of 17-20 years.

## Gender with Student Stress Level

The results showed that the most respondents experienced stress in a normal

level as many as 48 respondents (36.1%) and female. The results of statistical tests obtained *p* value of 0.172 > 0.05, it can be concluded that there is no relationship between gender and student stress levels.

This study is in line with research conducted by Sunarni et al (2017) who examined 140 students at the Faculty of Health Sciences, Musi Charitas University with avalue p = 0.668 > 0.05, so it can be concluded that there is no relationship between gender and student stress levels.

With regard to stress levels, men are more active, exploratory, while women are more considerate and tend to experience various fears, are more anxious about their inability and are more sensitive so they experience stress more (Tantra and Irawaty, 2019). The criteria for stress levels are the same for all genders. However, women are more prone to eating disorders, anxiety, sleep disturbances, feeling guilty and an increase or even a decrease in appetite (Kountul, et al, 2018). The influence of the hormone estrogen can make women more prone to stress. Men are not easily stressed even though they have many sources of stress (stressors) because men have always been forced by circumstances to be ready to face problems, it is important to increase their safety so that men have a *fight or* flight response, this is useful for saving themselves men in fighting stress (Sutjiato, et al, 2018). In this case it can be understood that there is no difference in stress levels between women and men in this study due to the way stress is handled. Women and men have the same adaptability in dealing *stressors* with existing(Sunarni, et al, 2017).

In another study, this is not in line with the research of Suwartika et al (2014) which examined 77 Cirebon Nursing D III students who obtained avalue of p 0.039 < 0.05, so it can be concluded that there is a significant relationship between age and academic stress levels. This study is also not in line with Maulana (2020) who examined 144 students who were taking Business Statistics courses during online learning who obtained avalue of p 0.008 < 0.05, so it can be concluded that there is a relationship between gender and student stress levels.

# Origin of Institutions with Student Stress Levels

The results showed that the most respondents experienced stress in normal levels as many as 33 respondents (24.8%) and came from UIN Alauddin Makassar. The results of statistical tests obtained *p* value of 0.367 > 0.05, it can be concluded that there is no significant difference between the origin of the institution and the stress level of students.

## Semester Level with Student Stress Level

The results showed that the most respondents experienced stress at a normal level as many as 37 respondents (27.8%) and were at the 7th semester level. The statistical test results obtained a *p* value of 0.474 > 0.05, so it can be concluded that there is no

significant difference between semester level and student stress level.

This study is in line with research conducted by Sunarni, et al. (2017) which examined 140 students at the Faculty of Health Sciences, Musi Charitas University which stated that there was no significant difference between semester level and stress level and the correlation test showed value concluded that p =0.710 > 0.05, so it can be concluded that there is no relationship between the semester level with the stress level of students. Each class or semester level has a variety of stress levels, but overall the differences in stress levels are not significant for each class. Thus, individually the level of stress experienced by respondents depends on how the individual deals with existing sources of stress (Sunarni, et al, 2017).

## Study Programs with Student Stress Levels

The results showed that the most respondents experienced stress in normal levels as many as 31 respondents (23.3%) and came from health study programs. The results of statistical tests obtained *p* value of 0.199 > 0.05, it can be concluded that there is no relationship between the study program and the stress level of students.

In a study conducted by Setiyani (2018), stress conditions can cause a response in the form of anxiety. From this research, the results are in accordance with the hypothesis which states that there is a significant difference in the degree of anxiety between new students from the health faculty and the non-health faculty. This can be caused by several factors such as the demand to be more active in the teaching and learning process, being more competitive, the busy schedule of health students, and the material being studied is very broad and more applicable.

## Achievement Index with Student Stress Level

The results showed that the most respondents experienced stress in a normal level as many as 28 respondents (21.1%) with a very satisfactory achievement index. The results of statistical tests obtained *p* value of 0.075 > 0.05, it can be concluded that there is no significant difference between the achievement index and the stress level of students.

This study is in line with Hamzah's research (2020) which examined 204 students from STIKes Graha Medika who obtained avalue p = 0.302 > 0.05 which indicates that there is no relationship between the achievement index and student stress levels. This result is due to the adaptability of each individual. Individuals who have good adaptation to stress will not have much impact on achievement. Respondents will be able to adjust to the various stressors they face, such as the workload, the severity of the courses, and the campus atmosphere. According to Hamsan, stress levels are related to one's learning achievement, students who have high academic achievements are students who have low stress levels. Someone who does not have high stress can control himself then can do a

better learning process. Someone who has low stress can focus on the things that are being studied (Sunarni, et al, 2017).

In Islam, stress is something we must manage, not avoid. Because in truth, it is very human when humans experience stress. One of the things that can be done to manage stress is to multiply *dhikrullah* (remembrance of Allah). By remembering and returning everything from and for Allah, stress will be overcome. Allah SWT says in QS Ar-Raad verse 28:

ٱلَّذِينَ امَنُواْ قُلُوبُهُم للَّهِ أَلَا للَّهِ ٱلْقُلُوب

## Meaning:

"(namely) those who believe and their hearts find peace in the remembrance of Allah. Remember, it is only by remembering Allah that the heart becomes peaceful."

## CONCLUSION

In this study, it can be concluded that most of the respondents have normal stress levels. Meanwhile, age, gender, institutional origin, semester level, study program, and achievement index are not related to student stress levels during the COVID-19 pandemic

## REFERENCES

- Barseli, M. and Ifdil, I. (2017) 'The Concept of Student Academic Stress', *Journal of Counseling and Education*, 5(3), p. 143. doi:10.29210/119800.
- Edward P. Sarafino (2011) *Health Psychology: Biopsychosocial Interactions.*
- Hamzah, B. and Hamzah, R. (2020) 'Factors Associated with Academic Stress Levels in STIKES Graha Medika Students', *Indonesian Journal for*

*Health Sciences*, 4(2), pp. 59–67.

- Harahap, ACP, Harahap, DP and Harahap, SR (2020) 'Analysis of Academic Stress Levels in Students During Distance Learning During the Covid-19 Period', 3(1), pp. 10–14.
- Kountul, YPD, Kolibu, FK and Korompis, GEC (2018) 'Factors Associated with Stress Levels in Students of the Faculty of Public Health, University of Sam Ratulangi Manado', *Jurnal KESMAS*, 7(5), pp. 1–7.
- Lovibond, SH and Lovibond, PF (1995) 'Manual for Depression Anxiety Stress Scale, 2nd Ed. Psychology Foundation. Sydney.'
- Maulana, HA et al. (2020) 'Analysis of Student Stress Levels Against Online Learning in the Business Statistics Course in International Business Administration Vocational Education, Bengkalis State Polytechnic, email: Psychology, Faculty of Medicine, Sriwijaya University, email', Scientific Journal of Education, Vol. XIV, No. 1 sSeptember 2020, pp. 17–30.
- Omar, Z. Al and Alhabeeb, M. (2018) 'Perception of academic stress among Health Science Preparatory Program students in two Saudi universities', pp. 159–164.
- Qian, L. and Fuqiang, Z. (2018) 'Academic Stress, Academic Procrastination and Academic performance: a Moderated Dual-Mediation Model', *Journal on Innovation and Sustainability. RISUS ISSN 2179-3565*, 9(2), p. 38. doi:10.24212/2179-3565.2018v9i2p38-46.
- Setiyani, RY (2018) 'Differences in Anxiety Levels in New Students at the Faculty of Health Sciences and Non-Faculty of Health Sciences, 'Aisyiyah Yogyakarta' University, *Journal of Integrative Psychology*, 6(1), p. 16. doi:10.14421/jpsi.v6i1.1469.
- Sunarni, T., Husaini, A. and Pratama, YD (2017) 'Analysis of Stress Levels of

Nursing Students in Following the Block Learning System', 1(1), pp. 44–60.

- Sutjiato, M., Kandou, GD and AAT Tucunan (2018) 'Relationship of Internal and External Factors with Stress Levels in Medical Faculty Students at Sam Ratulangi University Manado', Journal of Educational Psychology and Counseling: Journal of Educational Psychology Studies and Counseling Guidance, 4(1), p. 1. doi:10.26858/jpkk.v4i1.4753.
- Suwartika, I., Nurdin, A. and Ruhmadi, E. (2014) 'Analysis of Factors Associated with Academic Stress Levels of Regular Students of the D III Nursing Study Program Cirebon Health Polytechnic of the Ministry of Health Tasikmalaya', *The Soedirman Journal* of Nursing), 9(3), pp. 173–189. Available at: http://jks.fikes.unsoed.ac.id/index.php/ jks/article/viewFile/612/337.
- Tantra, MA and Irawaty, E. (2019) 'The relationship between stress levels and learning outcomes in students of the Faculty of Medicine, Tarumanagara University batch 2014', *Tarumanagara Medical Journal*, 1(2), pp. 367–372.
- WHO. (2020). '<u>WHO Coronavirus Disease</u> (<u>COVID-19</u>)'. https://covid19.who.in