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RESEARCH ARTICLE

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Online Learning Perception and Nursing Student Learning Motivation During the Covid-19 Pandemic

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ABSTRACT

Countries in the world including Indonesia are being hit by the health problems of the corona virus (Covid-19) pandemic. The government continues to carry out various handling and prevention efforts, especially in controlling the spread of COVID-19 in the community, including students who carry out learning activities on campus. One of the efforts made is to implement policies regarding the learning process through online learning. Online learning methods cause different perceptions among students and this has an impact on several things including student learning motivation. The study was conducted to analyze the relationship between students' perceptions of online learning methods on student motivation in nursing at the Sutomo campus, Surabaya. The research method was observational analytic with a cross-sectional approach. Online data collection using Google Form, data analysis using *Spearman's rho* statistical test. The results showed that there was a significant relationship between students' perceptions of online learning and students' learning motivation ($p = 0.00$). It is recommended to increase student learning motivation through improving facilities, infrastructure, facilities and learning methods as well as positive perceptions of online learning.

Keywords: online learning; nursing students; perceptions; motivation

INTRODUCTION

Background

Countries in the world, including Indonesia, are facing a very serious public health problem, namely the corona virus pandemic. This problem started with a report of a mysterious pneumonia case that occurred in Wuhan, Hubei province at the end of December 2019. From December 31, 2019 to January 3, 2020, this case developed very rapidly which was marked by reports of 44 cases and in less than a month this disease has spread to various provinces in China, Thailand, Japan and South Korea ⁽¹⁾.

Until now, this epidemic has attacked 213 countries and territories around the world. Initially the disease was named as 2019 novel coronavirus (2019-nCoV), then on February 11, 2020, WHO named this virus as Coronavirus Disease (Covid-19) caused by severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2) (Susilo A, et al. 2020) ⁽¹⁾. Covid-19 transmission occurs so fast that almost no country or region in the world is absent from the coronavirus. On the basis of the incident, the World Health Organization (WHO) established the coronavirus pandemic or COVID-19 on March 11, 2020. In Indonesia, Covid-19 cases were first reported on March 2, 2020, beginning with Indonesians in contact with Japanese nationals while jointly attending an event in Jakarta ⁽²⁾.

Some locations are suspected to be places at risk of covid 19 transmission including workplaces, including campuses. It is said that not long ago there were hundreds of students positive for covid 19, so it can be said that the campus is one of the areas that are a place of high risk of covid 19 transmission. It is also said that students can be part of the population that spreads covid 19 to the community. One of the efforts made by the government through the ministry of education and culture is to issue regulations on the implementation of the learning process implemented through online learning. ⁽³⁾

As an institution that organizes higher education in the field of health, Sutomo Nursing Department, Poltekkes Kemenkes Surabaya also has a responsibility to implement online learning policies. In fact, the implementation of online learning in the Sutomo Nursing Department occurred a wrong perception from students towards online learning resulting in the implementation of online learning is not appropriate. This perception comes from some students who consider that online learning is relaxed because of the absence of direct supervision from lecturers. .

Online learning is one of the external factors derived from the environment related to student learning motivation ⁽⁴⁾. It is also said that online learning methods have a positive impact that makes students get better grades but the negative impact is a lack of understanding of the material, internet network disruption and the onset of stress on students ⁽⁵⁾. The motivation to study students majoring in nursing on the sutomo campus during the Covid 19 pandemic has also undergone varying changes. This happens, among others, due to changes in students' perception of online learners.

This research was conducted to find out the relationship between perceptions about online learning and the motivation of students studying majoring in Sutomo nursing department during the Covid 19 pandemic.

Purpose

This research aims to explain the relationship between perceptions about online learning and the motivation of students studying in Sutomo Nursing Department Poltekkes Kemenkes Surabaya during the Covid 19 pandemic.

METHODS

The design of this observational research was cross-sectional (the measurement / observation of independent and dependent variable data assessed simultaneously at a time and only assessed once) ⁽⁶⁾. The study was conducted at the Sutomo Nursing Department Poltekkes Kemenkes Surabaya on Juli-August 2021. The study sample was the entire population used as a sample or also called total sampling of 510 people ⁽⁷⁾. Student perception and motivation data were obtained using questionnaires and conducted online through *Google Form*. The characteristics of respondents consist of gender, age, domicile, study program and semester that were being taken by respondents. The collected data were analyzed using *Spearman's rho* statistical test ⁽⁸⁾.

RESULTS

Table 1. Description of the characteristics of students

Characteristics	Frequency	Percentage	Total	
			Frequency	Percentage
Gender				
Male	74	14.5	510	100
Female	436	85.5		
Age				
18-20 years	258	50.6		
> 20 years	252	49.4	510	100
Domicile				
Surabaya	150	29.4		
East Java outside Surabaya	336	65.9	510	100
Outside East Java	24	4.7		
Courses				
Sutomo Nursing Department	276	54.1	510	
Bachelor of Applied Nursing	159	31.2		100
Ners Profession	75	14.7		
Semester				
Semester 1 (<i>Ners</i> Profession)	52	10.2	510	100
Semester 2	208	40.8		
Semester 4	128	25.1		
Semester 6	84	16.5		
Semester 8	38	7.5		

The research respondents were students of Sutomo Nursing Department, Poltekkes Kemenkes Surabaya, Bachelor of Applied Nursing Study Program, *Ners* Professional Study Program amounted to 458 people and odd

semester students of Ners Professional Study Program amounted to 52 people, so that overall students who were study respondents amounted to 510 people. The respondents were students who underwent the online learning process from January to June 2021.

Table 2 shows the results of research on student perceptions of online learning and the learning motivation of students majoring in nursing at the Sutomo Nursing Department during the Covid-19 pandemic. Student perception data about online learning and student learning motivation were obtained by filling out questionnaires sent through *Google Form*. The student perception questionnaire about online learning and student motivation consists of 30 questions each, which before use has been tested for validity and reliability.

Tabel 2. Description of student perception variables for online learning and student learning motivation

Variable	Category			Total	
	Well	Enough	Less	Frequency	Percentage
Student perception of online learning	193 (37.8%)	313 (61.4%)	4 (0.8%)	510	100
Student learning motivation	435 (85.3%)	71 (13.9%)	4 (0.8%)	510	100

The statistical results of the relationship between students' perceptions of online learning and student learning motivation in this study showed p-value of 0.00 (there is a significant relationship between students' perceptions of online learning and student learning motivation). Based on the direction of the relationship, there is a positive relationship between students' perceptions of online learning and student learning motivation with the strength of relationships in the moderate category (0.455).

DISCUSSION

Characteristics of Students

Students are dominated by female students and based on age there is no significant difference between the age of 18-20 years and those aged over 20 years. Based on student domicile, in addition to domiciled in Surabaya, more than half of students are domiciled in East Java, and only a small percentage are domiciled outside East Java. More than half are students of the D3 nursing study program and the rest are students of the Bachelor of Applied Nursing study program and the Ners professional study program. In addition to taking an even semester there are a number of students (52 students) who take odd semesters (semester 1) that are students of Ners professional study program because the acceptance of Ners professional study program students can be done in even semesters. Based on data obtained from the Study program Performance Report (LKPS) in 2021, the number of students majoring in Sutomo campus nursing as many as 522 students consisting of Sutomo Nursing D3 study program as many as 281 people, applied nursing undergraduate study program as many as 166 people and ners professional study program as many as 75 people.

Characteristics based on gender, students majoring in nursing Poltekkes kemenkes Surabaya Sutomo campus is dominated by female students (85.5%). This relates to women's traditional roles as wives, mothers, daughters that influence nursing practice. Women have always been called to provide care for babies, children and other people in society who are sick. Thus, the role of women as providers of physical and comfort nursing services is still influential today⁽⁹⁾. This has an effect on the development of nursing next where the nursing profession including nursing education is much in demand by women.

Characteristics based on age, indicate that the youngest student's age is 18 years. Based on the provisions applicable in the new student admission guide of Poltekkes Kemenkes Surabaya, where the general requirements of prospective students of Poltekkes Kemenkes Surabaya are graduates of High School / MA / Package C and SMK⁽¹⁰⁾. High school graduates / MA / Package C and vocational school in general aged 18 years and students who have studied in the second year and so on are more than 20 years old. This shows that the age of students who studied in the nursing department of The Surabaya Police Department of Health, Sutomo campus, is in the age group of teenagers before adulthood. Nursing education requires individuals who are physically and mentally mature because the nursing education process aims to educate a nurse who is professional in providing nursing services. The nursing profession is a job that requires knowledge, skills in special and mature preparation⁽¹¹⁾.

Based on student domicile, the results showed that more than half of the students were domiciled in East Java and only a small percentage were outside East Java. Department of Nursing Poltekkes Kemenkes Surabaya is one of the nursing education institutions in Indonesia. Based on data from the Director General of Higher Education and the Ministry of Health of Indonesia, the number of educational institutions in Diploma of Nursing who have been members of the Association of Educational Institutions in Indonesian Nursing Diploma (AIPDIKI) until April 2015 amounted to 416 institutions, while the number of educational institutions Bachelor

of Nursing and Ners which has been a member of the Association of Educational Institutions Ners Indonesia (AIPNI) until April 2017 has reached 304 institutions⁽¹²⁾. As a nursing education institution that has been around for quite a long time in East Java, the Sutomo campus nursing department which was originally established in 1985 was named Sutomo Nursing Academy, has been widely known by the community, especially East Java. Related to the still few students who come from outside East Java likely because the community prefers institutions located in the area especially associated with the Covid 19 pandemic period makes the community not to prioritize educational institutions far from the location of their domicile as a place to pursue nursing education.

Based on the origin of the student study program, the results showed that more than half of the students came from the Sutomo Nursing Diploma 3 Study Program and the majority of students were studying in the 2nd semester. This condition is related to the Decree of the Director of The Surabaya Ministry of Health No. HK.01.07/3/4714/2020 dated March 24, 2020 on Changes to the Decree of the Director Number HK.01.07/I.4/11040/2017 concerning the Allocation of new students of the Surabaya Ministry of Health 2020/2021. The decision stipulates the allocation of new students of the D3 nursing study program sutomo applied undergraduate study program of 100 people each and professional study program as many as 23 people⁽¹³⁾. All students who have been stipulated in this decision, at the time of the study are studying in semester 2. Students who are studying in the 4th semester are students who come from the D3 nursing Sutomo study program and applied nursing undergraduates, students who are studying in semester 6 are students who come from the D3 nursing Sutomo study program and students who are studying in semester 8 are students of the D4 nursing study program. Students who are studying in semester 1 are students of Ners professional study program who start their studies in even semesters. There is a significant difference in the number of students between the study program and the student semester stage due to a change in the prevailing policy where the new applied nursing undergraduate study program accepts new students in the academic year 2019/2020, and the D4 nursing study program which since the academic year 2018/2019 does not accept new students. The lack of number of students for applied nursing undergraduate study programs is likely due to the study program is not widely known by the public while the Sutomo nursing study program is an old study program that has been very popularly known by the public.

Students' Perceptions of Online Learning and Student Motivation for Studying

Student perception is the interpretation or assessment and experience of students on the implementation of the online learning process during the Covid 19 pandemic in the Sutomo Nursing Department Poltekkes Kemenkes Surabaya. The category of student perception of online learning consists of good categories, sufficient and less. The results showed student perception of online learning with a good category of 193 students (37.8%), a sufficient category of 313 students (61.4%) and a category of less than 4 students (0.8%).

The results of this study are not much different from the research conducted by Saragih O which shows that the majority of students have positive perceptions related to the implementation of online lectures both in terms of the teaching and learning process and aspects of lecturer capabilities⁽¹⁴⁾. It is said that perception is the process by which individuals or students interpret, organize and give meaning to the online learning process experienced during the Covid 19 pandemic⁽¹⁵⁾. It is also said that the process of perception formation begins with the emergence of stimulus, followed by a physical mechanism in the form of sensing. Next there is an interpretation stage where at this stage there are differences between individuals so that the same stimulus will give rise to different interpretations and feedback stages⁽¹⁶⁾. The difference in perception between individuals and other individuals is due to the presence of different internal factors between individuals, giving rise to different perceptions of the same stimulus⁽¹⁶⁾.

In the Systematic Review entitled The Impact of Online Lectures During the Covid-19 Pandemic on Indonesian Students, Suhartono explained that the average grade results obtained by students when studying online are better than the average grade results before using online learning. It also said that online learning can significantly affect students' literacy skills⁽¹⁷⁾. The results obtained in this study where most students' perceptions of online learning are in sufficient categories and only a small percentage have shown less categories. This is likely due to sufficient attention and interest from students in addition to the influence of external factors in the form of the covid 19 pandemic situation so that some students have sufficient perceptions about online learning. Another thing that also supports students' perception of online learning is the factors of facilities, infrastructure and facilities owned by students. Obstacles that may arise so that there is less perception of online learning is a signal or internet network that is less stable so as to cause disruption to online learning.

Learning motivation is the overall driving force contained in learners that causes learning activities by providing spirit, persistence and direction in learning activities so that learning goals can be achieved. The results showed that the learning motivation of students majoring in nursing at the Sutomo campus during the COVID-19 pandemic with the results of the good category as many as 435 people (83.3%), enough as many as 71 people (13.9%) and the less category as many as 4 people (0.8%). The results of this study are not much different from the results of research conducted by Fitriyani Y, et al (2020) which shows the results of student motivation in

semester 6th of the elementary school teacher education study program at Kuningan University are very good⁽¹⁸⁾. Almost the same results are also shown in the research conducted by Rahma and Safarati N where 83.22% is included in the very good category. This shows that although online learning can make students less active in conveying their aspirations and thoughts, learning must still run by optimizing online learning. In situations and conditions like this, lecturers must continue to be creative and innovate with technology as a bridge in transferring knowledge to make it easier to understand⁽¹⁹⁾. Learning motivation is the overall driving force contained in students which gives rise to learning activities by providing enthusiasm, persistence and direction in learning activities so that learning objectives can be achieved⁽²⁰⁾.

Almost all students majoring in nursing at the Sutomo campus have good learning motivation, indicating that whenever and in any situation students' motivation to learn is expected to remain good. These results indicate that although learning is done online, students still have motivation because they are supported by infrastructure and the surrounding environment. Regarding online learning, the motivation will be better if it is supported by adequate facilities and infrastructure. Besides that, internal factors contained in students who are generally still teenagers and young adults where the desire to learn with various online methods will lead to better motivation. However, some students still feel some obstacles, including the internet network which is sometimes disrupted.

The Relationship between Students' Perceptions of Online Learning and Learning Motivation of Students

The results of statistical tests conducted using the Spearman's rho statistical test in this study showed a significant relationship between students' perceptions of online learning and student learning motivation. These results are not different from the results of research on IPDN students at the West Sumatra campus which shows that there is a relationship between perceptions and learning motivation and students' perceptions of the importance of learning also have a role in the high motivation of students in learning⁽²¹⁾. Another study showed the same results as this study where the perception of the quality of online learning had an effect on the learning motivation of nursing students during the Covid 19 pandemic⁽²²⁾. Meanwhile, Agustina MT and Kurniawan DA (2020) in their research concluded that there were two factors that influenced the increase in learning motivation of students at Selamat Sri Kendal University during the Covid-19 pandemic, namely social support and self-concept in students. Social support can increase learning motivation because with social support someone will feel cared for so that they have good learning motivation. Self-concept is important to increase motivation to learn, because having a good self-concept will be able to increase motivation to learn even in the conditions of the covid-19 pandemic⁽²³⁾.

In a different context, Wida (2020) in Azhari T and Kurniawati (2020) said that in online learning, motivation also has an important contribution to support student learning. Motivation to learn through online learning is increasing due to the use of innovative technology⁽²⁴⁾. Student learning motivation is influenced by several factors, both internal factors originating from within students and external factors originating from the learning environment. The lecture method is one of the external factors related to student learning motivation (4). It is also said that indicators of learning motivation are the desire and desire to succeed, the encouragement and need in learning, the hopes and aspirations of the future, the appreciation in learning, the existence of interesting activities in learning, the existence of a conducive learning situation⁽²⁵⁾. The results showed that there was a significant relationship between students' perceptions of online learning and students' learning motivation ($p = 0.00$). Although using online learning methods, the motivation of students majoring in nursing at the Sutomo campus still shows good results. This is supported in addition to the existence of policies regarding online learning aimed at preventing the transmission of covid 19, as well as the support of facilities, infrastructure and facilities both prepared by the Surabaya Ministry of Health Poltekkes institutions and by the community in this case students and parents/guardians of students. Although the results of the study showed that the strength of the relationship was in the moderate category, based on the direction of the relationship, it showed a positive relationship. This means that the better the student's perception of online learning, the better the student's motivation to learn.

CONCLUSION

There is a significant relationship between student perceptions of online learning and student learning motivation during the covid 19 pandemic. The perception of learning towards online learning is a process of interpreting the information received by students which causes students to give meaning to the learning process. The meaning that arises due to student perception is related to student learning motivation. The results showed that the better the student's perception of online learning, the better the student's learning motivation will be.

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