Overview of the Student Learning Environment of the *Universitas Padjadjaran* Nursing Profession Study Program

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Abstract

In nursing education, the learning environment is one of the determining factors in the quality and curriculum of education in an educational institution. To maintain a good quality learning environment, an evaluation is needed that covers several aspects, including the learning process, teaching staff, academic achievement, learning atmosphere and social environment. This research aims to identify a description of the learning environment for students in the *Universitas Padjadjaran* nursing professional study program. In this research, a quantitative descriptive research design was used. The sampling technique used was proportional stratified random sampling with a total sample of 142 nursing professional students. The data was collected by questionnaire. The instrument used was the Dundee Ready Education Environment Measure (DREEM) with 50 statement items. The data analysis carried out was univariate analysis. The results of research on the learning environment dimension showed an average score of 148.96/200 in the more positive than negative category with an average for each sub-variable; learning process (35.44/48), teaching staff (33.74/44), academic achievement (25.44/32), learning atmosphere (34.49/48), and social environment (19.82/28). In conclusion, assessment of the learning environment for nursing professional students shows the good category, which means that the learning environment for the nursing profession is running well, although there are things that need to be improved and corrected to improve the quality of learning.

Keywords: learning environment, nursing professional students, Dundee Ready Education Environment Measure (DREEM)

INTRODUCTION

The practical learning stage currently exists usually called the nurse professional program, this object over here program currently exists implemented when students have graduated from the undergraduate stage. The professional stage currently exists in the transformation process from a student to a professional nurse. This object over here stage aims to equip students with skills that object over there will be tremendously useful in carrying out their duties in addition to responsibilities just as professional nurses (Nursalam & Efendi, 2008). Following the decree of the minister of national education of the Republic of Indonesia 232/U/2000/2/2 Professional training programs currently are designed to help students become individuals whatever person currently am able to apply, develop in addition to disseminate technology in addition to/or art, in addition to currently being able to contribute to improving the standard of living of society in addition to enriching it. national cultural community life. Professional students generally practice in public health service settings such just as hospitals, health centers, mental hospitals, nursing homes, and community practice homes, in addition to other practice areas.

Nursing education currently exists as an important process that objects over there every nurse must go through. Therefore, the first in addition to the most important step taken in the process of nursing professionalism in Indonesia currently exists to organize nursing education just as professional education training so that object over there students can obtain learning in addition to educational experiences that object over there suit the needs of the nursing profession (Lestari, 2014).

Of course, in providing quality nursing education, every institution must provide nursing students with a learning environment that objects over there helps them explore experiences, increase their knowledge, in addition to also develop their skills in addition to interests. Important components of the learning environment currently are not limited to communication in addition to activities of students in addition to teachers however also include physical structures in addition to services that object over there currently are reflected in the quality of curriculum, teaching, and learning in addition to support of students just as potential professionals (Nurumal et al., 2009).

The learning environment creates a learning atmosphere that objects over there influences students' motivation in addition to learning strategies. The choice of learning strategy will further influence the learning outcomes achieved. For this object over here reason, a good learning environment currently exists needed to support the student learning process (Susiaty et al., 2018). Students' assessments of their learning environment vary by practice location. Not every single practice location currently can provide a positive learning environment for students. These differences currently are related to differences in the characteristics of resources in addition to technology that object over there exist in each field of practice in addition to technological developments in each country.

The quality of the learning environment plays an important role in addition to currently being able to improve based on students' perceptions of the learning environment in educational institutions (Mayya & Roff, 2004). Considering the importance of student perceptions to improve the quality of the learning environment, according to Mcaleer & Roff (2001) learning environment currently can exist determined by student assessments of aspects of the learning process, student assessments of teaching aspects, student assessments of aspects of the learning atmosphere, student assessments of aspects of the social environment, in addition to student assessments of aspects of the social environment. Student assessment of the learning environment currently can exist

as the basis for compiling, modifying in addition to optimizing learning strategies.

In research conducted by Welch (2023) Regarding stress levels in nursing students whatever person practices clinically, it currently exists stated that object over there female students tend to experience higher levels of clinical stress compared to male students. In addition, inadequate clinical skills preparation also contributes to increasing levels of clinical stress in students. In addition, research conducted by Elbilgahy et al. (2020) stated that object over there currently are several challenges faced by clinical nurse educators in addition to nursing students in Egypt in addition to Saudi Arabia, including lack of resources, inadequate clinical training, in addition to insufficient support from clinical staff. This object over here results in competencies in addition to learning outcomes not being met.

Other research conducted by Koirala et al. (2019) stated that object over there the social environment aspect scored the lowest (15.2/28) compared to other aspects, even though supportive in addition to collaborative relationships construct a positive learning environment, including increasing students' self-efficacy in addition to encouraging their professional growth. Then, research conducted by Gabriella et al. (2021) regarding satisfaction with the learning environment in the clinic, the results of the sub-dimension with the smallest level of satisfaction currently are satisfaction with the place of nursing services, just as defined by students whatever person feels that object over there the philosophy of nursing in the ward currently exists not clear, in addition to there are problems with the flow of information regarding nursing services.

Other research conducted by Rahmi et al. (2019) regarding satisfaction with the clinical learning environment, it used to exist stated that object over there 42% of students still felt dissatisfied with the building (laboratory), grounds, cleanliness, order, comfort of clinical learning, etc. Research conducted by Fauziyah (2023) researched professional readiness at *Universitas Padjadjaran*, it used to exist found that object over there 48% were not ready, the factor that object over there caused this object over here used to exist due to the online learning system which affected the skills they had so that object there students felt less confident. Apart from that object over there, Shafira (2022) also conducted research on the learning motivation of 271 *Universitas Padjadjaran* nursing students, with the results that object over there some *Universitas Padjadjaran* nursing students (51.3%) had low learning motivation. And also Karisa et al. (2023) conducted research on the learning environment at the *Universitas Padjadjaran* undergraduate nursing stage stated that object over there the social environment dimension had the lowest score, namely (16.17/28).

The results of a preliminary study with 15 professional students in August 2023 showed that object over there 78% of students felt anxious in addition to stressed when entering a new environment, even at this object over here professional stage students had to change practice places 4 times in addition to wards 8 times, not only that object over there 56 % of students feel tired due to too many assignments in addition to response schedules changing frequently so they currently are often stacked at the end of the learning stage. 63% of students feel that object over there relationships with clinical staff such just as doctors in addition to nurses are still not tremendously supportive in assisting students in addition there currently are also some whatever person still have seniority in addition to often reduces student enthusiasm.

Literature study in addition to preliminary results reveal changes in the conservation profession's learning environment, such just as changes in practice locations in addition to practice wards. In addition, a lack of supportive resources, and poor

relationships with clinical staff, currently can cause feelings of anxiety, and stress in addition to fatigue in students. However, it appears that the object of their research on the learning environment for students in the professional poisoning study program at *Universitas Padjadjaran* currently exists is still limited. The research gap that objects over there currently identified lies in the need to further explore aspects of the learning environment on students' well-being in addition to the quality of their learning. There has not existed much research that objects over there specifically tries to explain aspects of the quality of the learning environment that object over there currently can influence students when facing the protective professional stage.

Based on the phenomena in addition to the underlying theories above, this object over here research aims to identify a description of the learning environment for students in the *Universitas Padjadjaran* nursing professional study program.

METHOD

The design of this research was descriptive with a population of all active students in the 45th and 46th classes of the nursing profession, totaling 221 students. In this research, the proportional stratified random sampling technique has been used which aims to obtain a representative sample. Sample selection was carried out based on inclusion criteria, namely active students of the nursing profession who were registered in the academic system, while the exclusion criteria were students who refused to take part in this research. This sampling method uses the Solvin formula of 5% so the total sample is 142 people. Then, calculated based on the Proportional stratified random sampling formula, the sample size was obtained based on level, namely Class 45 with 68 students and Class 46 with 74 students. Then, sample randomization was carried out using a list of Student Identification Numbers using Microsoft Excel.

The instrument used currently exists is the Dundee Ready Education Environment Measure (DREEM) which used to exist developed by Sue Roff in addition to has been translated into Indonesian by Diantha Soemantri (Soemantri et al., 2008). Dreem has been tested for validity in addition to reliability with Cronbach's alpha results of 0.88, which means it currently exists proven to exist reliable with relatively high data reliability (Soemantri et al., 2008). This object over here questionnaire consists of 50 statements with sub-variables: learning process, teaching staff, academic achievement, learning atmosphere, in addition to social environment. This object over here questionnaire used to exist measured using a Likert scale, each statement used to exist given 5 choices, namely (0) strongly disagree, (1) disagree, (2) unsure, (3) agree, (4) strongly agree.

Table 1. Statement of Instrument Item

Statement
1. I am encouraged to participate in wards/polyclinics/health care centers
2. The lecturer and clinical instructor are knowledgeable
3. There is a good support system for students who get stressed
4. I am too tired to enjoy this course
5. Learning strategies which worked for me before continue to work for me now
6. The lecturer and clinical instructor are patient with patients
7. The teaching is often stimulating
8. The lecturer and clinical instructor ridicule the students
9. The lecturer and clinical instructor are authoritarian
10. I am confident about passing this academic year

11. The atmosphere is relaxed during wards/polyclinics/health care centers
12. This course is well timetabled
13. The teaching is student-centred
14. I am rarely bored during this course
15. I have good friends in this course
16. The teaching helps to develop my confidence
17. Cheating is a problem in this course
18. The lecturer and clinical instructor have good communication skills with patients
19. My social life is good
20. The teaching is well-focused
21. I feel I am being well prepared for my profession
22. The teaching helps to develop my confidence
23. The atmosphere is relaxed during lectures
24. The teaching time is put to good use
25. The teaching over-emphasises factual learning
26. Last years work has been good preparation for this years work
27. I am able to memorise all I need
28. I seldom feel lonely
29. The lecturer and clinical instructor are good at providing feedback to students
30. There are opportunities for me to develop interpersonal skills
31. I have learned a lot about empathy in my profession
32. The lecturer and clinical instructor provide constructive criticism here
33. I feel comfortable in wards/polyclinics/health care centers socially
34. The atmosphere is relaxed during tutorials and practical session
35. I find the experience disappointing
36. I am able to concentrate well
37. The teachers give clear examples
38. I am clear about the learning objectives of the program
39. The lecturer and clinical instructor get angry in wards/polyclinics/health care centers
40. The lecturer and clinical instructor are well prepared for their classes
41. My problem solving skills are being well developed here
42. The enjoyment outweighs the stress of the program
43. The atmosphere motivates me as a learner
44. The teaching encourages me to be an active learner
45. Many things I learned seemed relevant to a nursing career
46. My accommodation is pleasant
47. Long-term learning is emphasised over short-term learning
48. The teaching is too teacher-centred
49. I feel able to ask the questions I want
50. The students irritate the teachers

Table 2. Statement Categories

No	Sub-variable	Statement		Total
		Favorable	**Unfavorable**	
1	Learning process	1,7,13,16,20,22,24,38,44,47	25.48	12
2	Teaching staff	2,6,18,29,32,37,40	8,9,39,50	11

3	Academic achievement	5,10,21,26,27,31,41, 45	-	8
4	Learning Atmosphere	11,12,23,30,33,34,3 6,42,43,49	17,35	12
5	Social environment	3,14,15,19,28,46	4	7
	Total	41	9	50

The data collection procedure used to exist was carried out online using Google form. In this object over here form, students receive an explanation regarding the instructions for filling it out in addition to currently being followed by informed consent. Once the object is there, students fill out demographic data in addition to the DREEM questionnaire. If the respondent does not understand the statement items on the form, they currently can ask the researcher directly via the contact information listed on the form. After the data is collected, editing, coding, data entry, tabulation in addition to analysis currently are carried out.

Data analysis was carried out descriptively by adding up the research results scores and calculating the overall average value for each respondent. Next, the data is processed using SPSS and categorization is carried out based on scores, namely 0-50: Very poor, 51-100: Plenty of problem, 101-150: More positive than negative, and 151-200: Excellent. Then analysis is also carried out on each sub-variable and interpreted as follows.

Table 3. Interpretation of Scores Based on Sub Variables

Sub-Variables	Score	Interpretation
Learning process	0-12	Very bad
	13-24	The learning process is seen negatively
	25-36	A more positive approach
	37-48	The learning process is very well prepared
Teaching staff	0-11	Very bad
	12-22	Requires Retraining
	23-33	Demonstrate a Positive Attitude
	34-44	Exemplary Lecturer
Academic achievement	0-8	Feeling Failed
	9-16	Has Many Negative Aspects
	17-24	Feel More on the Positive Value
	25-32	Self-confident
Learning Atmosphere	0-12	Bad Learning Atmosphere
	13-24	There Are Many Problems That Need to Change
	25-36	A More Positive Atmosphere
	37-48	Good Atmosphere
Social environment	0-7	Bad Social Environment
	8-14	Not a Good Place
	15-21	Not too bad
	22-28	Very good

FINDINGS AND DISCUSSION
Findings
Table 2 explains the results of respondent characteristics in the frequency distribution. The largest number of respondents based on gender were women with a total of 125 (88%) students while men were 17 (12%) students. Based on the age of students, the majority of nursing profession students were aged 22 years, just as many as 68 (47.9%) students. Based on the respective classes, there were 68 (47.9%) students in addition to 74 (52.1%) students. Nursing profession students whatever person had a good assessment of the learning environment were 81 (57%) in addition to tremendously good just as many just as 61 (43%) students.

Table 4. Demographic Data on Characteristics of Nursing Profession Students

Characteristics	n	%
Gender		
Female	125	88
Male	17	12
All	142	100
Age		
≤ 20 years old	1	0.7
21 years old	9	6.3
22 years old	68	47.9
≥ 23 years old	64	45.1
All	142	100
Collage Class		
Collage class 45	68	47.9
Collage class 46	74	52.1
All	142	100
Overview of the Learning Environment		
More positive than negative	81	57
Excellent	61	43
All	142	100

Table 5. Average Score of Learning Environment Dimensions and Sub Variables for Professional Students

Dimensions	Class	Mean	Interpretation
Learning environment (max=200)	Collage class 45	148.52	More positive than negative
	Collage class 46	149.41	More positive than negative
	All	148.96	More positive than negative
Sub-variable			
Learning process (max=48)	Collage class 45	35.14	A more positive approach

	Collage class 46	35.75	A more positive approach
	All	35.44	A more positive approach
Teaching Staff (max=44)	Collage class 45	33.89	Show a positive values
	Collage class 46	33.60	Show a positive values
	All	33.74	Show a positive values
Academic achievement (max=32)	Collage class 45	24.94	Feel more positive
	Collage class 46	25.94	Feel more positive
	All	25,44	Feel more positive
Learning atmosphere (max.48)	Collage class 45	34.58	A more positive atmosphere
	Collage class n 46	34.40	A more positive atmosphere
	All	34.49	A more positive atmosphere
Social environment (max.28)	Collage class 45	19.95	Not too bad
	Collage class 46	19.70	Not too bad
	All	19.82	Not too bad

Based on Table 3, it currently exists known that object over there the average score for the learning environment dimension is currently 148.96/200, which means more positive than negative. Data analysis shows that the object over there with the highest average score currently exists in class 46. Then the learning process sub-variable shows an average score of 35.44/48, which means the learning process has existed and been implemented with a more positive approach; the teaching staff sub-variable shows an average -average score 33.74/44 which means the lecturer or clinical instructor shows a positive attitude during the learning process; the academic achievement sub variable shows an average score of 25.44/32, which means students feel positive in achieving academic success; the learning atmosphere sub variable shows an average score of 34.49/48, which means students need a more positive atmosphere; in addition to the social environment shows an average score of 19.82/28 which means the social environment currently exists not too bad.

Discussion

The research results in Table 3 show that objects over there the learning environment for nursing professional students currently exists in the good category. This object over here currently exists in line with research results which state that object over there the learning environment for the nursing profession currently exists good however some components currently are not yet satisfied so it needs to be improved to provide a quality learning environment according to student needs (Aufar et al., 2021). This object over here currently exists influenced by various factors including the physical environment, namely facilities in addition to infrastructure, teaching staff, etc. as well just as the non-physical environment, namely the learning process, relationships between

students in addition to lecturers, relationships between students in addition to clinical instructors, relationships between students in addition to clinical staff, learning atmosphere (Dent et al., 2021).

The learning process sub-variable shows a value of 35.44/48, which means that object over there the learning that object over there has existed carried out currently exists able to provide learning that object over there encourages students to exist active, student-centered, students currently can develop student competence in addition to self-confidence (Rochmawati et al., 2014). This object over here learning process indicator currently exists as one of the most important parts of the learning environment assessment because it currently exists as a benchmark for evaluating students' learning strategies (Koirala et al., 2019).

Based on the analysis of each statement object, the object with the highest positive value (3.32/4) currently exists as the 16th statement object, namely teaching in addition to learning activities help me develop competencies, which means students assess that object over there the learning that objects over there has existed carried out helps students develop the competencies they have in addition to the items that object over there needs to exist improved (2.21/4) currently exists the 24th statement object, namely the time for learning in addition to teaching activities currently exists used well, which means that object over there students feel that object over there the time for learning in addition to teaching activities currently exists not effective in addition to efficient. According to (Perry, 2022) a student-centered learning curriculum currently can achieve optimal learning outcomes. This object over here currently can also be seen from student participation shown by being able to concentrate during teaching in addition to learning activities and showing interest in addition to increasing skills. During this object over here professional period, which currently exists as a transition period from undergraduate to practical, of the course students must be able to adapt to a new environment in addition to a new learning system, so that object over there many students feel stressed due to the workload plus service time in addition to demands to meet the professionalism expectations of nurses just as a result of which students currently are unable to exist effective time available (Putri et al., 2018)

The teaching staff sub-variable shows a value of 33.74/44, which means that object over there the teaching staff shows a positive attitude while teaching. A teaching staff currently exists as someone whatever person teaches, guides in addition to assesses in addition to evaluates students (Kusnanto, 2004). At this object over the here professional stage, teaching staff currently are not only lecturers but also clinical instructors (Saeedi et al., 2021). Good interaction between students in addition to teaching staff currently can predict student academic achievement, whereas if the interaction between students in addition to teaching staff currently exists poor it can reduce student academic achievement (Udiyono, 2011).

Based on the analysis of each statement object, the object with the highest positive value (3.13/4) currently exists as the second statement object, namely the teaching staff has sufficient knowledge, which means that the object over there the lecturer or clinical instructor has sufficient knowledge in learning. In addition to the object that object over there must exist improved (3/4) currently exists statement number 29, namely that object over there teaching staff currently can provide good feedback to students. According to (Aufar et al., 2021) states that objects over there lecturers in addition to cis must foster a positive relationship because this object over here will exist related to developing student competencies in the learning environment. This object over here currently exists in line

with research conducted by Takrim & Mikkael (2020) state that object over there the role just as a teaching staff can be improved by paying attention to learning, being able to communicate in addition to interacting more closely with students, providing feedback with good delivery, providing constructive criticism. This object over here not only affects harmonious relationships but can also increase student self-efficacy in addition to academic achievement. Not only that object over there, but professional teaching staff currently are believed to be able to motivate students to maximize their potential to achieve predetermined educational standards (Yusuf & Mukhadis, 2018).

Sub-variable academic achievement (25.44/32) means that object over there students currently are in a positive position in achieving learning success which currently exists assessed based on learning strategies, and self-confidence, in addition to getting learning outcomes by their competency achievements (Soemantri et al., 2008). Based on the analysis of each statement object, the object with the highest positive value (3.5/4) currently exists as the 10th statement object, namely that object over there students feel confident they currently can overcome the current academic challenges. In addition to the object that objects over, there have value needs to exists improved (1.93/4), namely object 5, namely the learning strategy that objects over there used to exist successful for me before, continues to produce success for me at this current point in time. The professional study program of course has a different curriculum from the undergraduate level, at whatever place students must be able to adapt to the new curriculum. This object over here currently exists in line with research (Landeen et al., 2016) which states that object over there curriculum changes are currently able to affect academic performance related to students' ability to adapt in addition to develop learning strategies. Apart from that object over there, Layuk et al. (2016) stated that object over there students whatever person have passed more professional stages have more in-depth experience in addition to knowledge. This object over here influences students' academic achievement. Students whatever person have gone through more stages currently are certainly able to adapt in addition to finding suitable learning strategies.

Sub variable learning atmosphere (34.49/48) which means that object over there students need a more positive atmosphere. A learning environment that objects over there currently exists supportive of students currently exists and environment that objects over there currently can provide full moral support to students to increase their level of self-confidence (Gumanti, 2018). Discriminatory behavior will make students feel inferior in addition to awkward (Elbilgahy et al., 2020).

Based on the analysis of each statement object, the object with the highest positive value (3.12/4) currently exists as the 30th statement object, namely getting the opportunity to develop interpersonal skills. In addition to the object with a value that objects over there needs to exist improved (2.2/4) currently exists statement number 33, namely, students feel comfortable socializing in the ward. This object over here currently exists in line with research conducted by Putri et al. (2018) which states that object over there there currently exists a significant relationship between co-worker factors in addition to nursing students' stress levels during clinical training. In addition to this object over here currently exists supported by research Koirala et al. (2019) which states that objects over there supportive in addition to collaborative relationships construct a positive learning environment, including increasing students' self-efficacy in addition to encouraging their professional growth. Efforts currently can exist made to provide students with an atmosphere that objects over there and does not cause tension in addition to anxiety. The nursing service here includes every single one activities in addition to the

room atmosphere so that the object over there becomes a model for students undergoing the clinical learning process in a hospital environment. A good nursing service currently can provide good assessment in addition to motivation for students in the nursing profession (Aufar et al., 2021).

Social environment sub variable (19.82/28) which means that the social environment is not too bad but still needs to be improved. A positive social environment will increase the achievement of learning outcomes (Harlia & Rahayuningsih, 2022). Based on the analysis of each statement object, the object with the highest positive value (3.25/4) currently exists as the 15th statement object, namely that object over their students have good peers in the nursing professional education process. In addition to the object that objects over there have the value of needing improvement (1.91/4) currently exists statement number 3, namely that object over there currently exists a good support system for students whatever person experience stress. According to (Palomo-lópez et al., 2018) stress related to studying makes students feel threatened in addition to giving rise to various undesirable behaviors, which ultimately lead to fatigue, depression, poor concentration, in addition to physical discomfort while studying. Efforts that object over there currently can exist made according to (Welch, 2023) say that object over there support systems currently can reduce stress in addition to improve physical in addition to mental health. This object over here support system includes family, friends, in addition to co-workers whatever person currently are willing to listen in addition to provide advice in addition to emotional support, which currently can be tremendously helpful for people suffering from stress. Tough in addition to stressful working conditions become even more difficult when coworkers do not interact well.

CONCLUSION

The learning environment currently exists as an important component in determining the quality in addition to the success of the nursing education curriculum. The assessment of the learning environment for nursing professional students shows the more positive than negative category with a score of (148.96/200) then the learning process sub-variable shows an average score of 35.44/48 which means the learning process has existed implemented with a more positive approach, analysis of the lowest statement object score in the 24th statement object, namely 2.21/4, which means it needs to exist improved; in the teaching staff sub-variable, it shows an average score of 33.74/44, which means the lecturer or clinical instructor shows a positive attitude during the learning process. Analysis of the lowest statement object score in statement object 29 currently exists at 3/4 which means it needs to be improved; the academic achievement sub-variable shows an average score of 25.44/32, which means students feel positive regarding achieving academic success. Analysis of the lowest statement object score in the 5th statement object currently exists at 1.93/4, which means it needs improvement; the learning atmosphere sub-variable shows the average score currently exists at 34.49/48, which means students need a more positive atmosphere, analysis of the lowest statement object score in statement object 33, namely 2.2/4, which means it needs to exists improved; in addition to the social environment shows an average score of 19.82/28, which means the social environment currently exists not too bad. Analysis of the score for the lowest statement object currently exists the 3rd statement object, namely 1.91/4, which means it needs improvement. although each sub-variable shows that object over there the results need to be improved or improved by both professional student practice

areas in addition to educational institutions to implement better strategies to optimize learning in addition to improve the quality of nursing education.

There needs to exist a joint discussion with the supervisor in addition to the clinical instructor with students just as a way to create harmonious relationships in addition to increase cooperation which currently can ultimately influence the quality of the learning environment. There currently are external factors such just as changes in institutional policies, changes in teaching staff, or curriculum changes that object over there currently are not fully taken into account in research. Future studies may include further analysis of these factors. Suggestions for future researchers, to gain a deeper understanding of changes in perceptions of the learning environment, future research could adopt a longitudinal study design to track changes over time.

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