

Quality of Nursing Worklife Based on Caring Model for Improving Nurse Performance in Hospitals

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Abstract

Introduction: Nurses performance is still not optimal. The aim this study was to develop a quality of nursing work life to improve nurse performance by integrating Swanson's theory of caring.

Methods: An explanative observational design was used with cross-sectional approach. The sample was nurses in inpatient care, intensive care, surgical installations, neonates, hemodialysis from eight hospitals in East Java. The sample size of 430 respondents used total sampling. The variables included QNWL, individual, social and environmental, administrative factors, nurse performance. Data were collected using Nurse Quality of Communication with Patient Questionnaire (NQCPQ), Questionnaire of Personal and Organizational Values Congruence for Employee (Q-POVC), Questionnaire of Brooks & Anderson's quality of nursing work life. The data analysis used Partial Least Square.

Results: Twenty-five indicators were declared valid (outer loading value > 0.5) with variable diversity was 24.43%, so that internal, social and environmental, operational and administrative factors affect the performance of nurses directly or indirectly through caring based on QNWL. Predictive relevance value was >0, which indicates that the model was good enough. The individual factors ($p=0.043$; T-Statistics= 2.040), social and environment factors ($p=0.025$; T= 2.242), administrative factors ($p=0.001$; T= 3.438) have significant influence QNWL based on caring and QNWL based on caring had a significant influence on nurse performance ($p=0.000$; T= 4.997).

Conclusion: The development of the QNWL model based on caring has good effect in improving nurse performance. From the developed model, nurse performance related to individual factors, social and environmental factors, administrative factors.

Keywords

caring; nurse performance; quality of nursing work life

INTRODUCTION

The quality and the quality of the nurse when performing nursing care are still not optimal. Work overload, the lack of

professional opportunities such as education and training have an impact on the low quality of nursing work life (Nursalam, Fibriansari, et al., 2018b; Oshodi et al., 2019). Additionally, the patient's complaints, dissatisfaction, and refusal to tell the problem means nurses have

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a duty to serve patients better (Amalina, Rachmawaty, Ilkafah, & Erfina, 2020). This causes a decrease in nurses' performance. The caring aspect must be applied in the self-development of nurses to improve the work environment, especially with patients, to achieve organizational goals.

In Oramia Hospitals in Southwest Ethiopia, nurses cannot apply caring aspects well (30%), and 50% of patients stated the elements of concern inclined to the poor (Oluma & Abadiga, 2020). Most nurses from an Acute National Health Service Trust only apply the caring principle to expressive aspects, such as listening to patient complaints but without empathy, while the monitoring aspect is not carried out correctly (Chana, Kennedy, & Chessell, 2015; Oluma & Abadiga, 2020). The quality of nursing work life has also decreased, as much as 32.6% of nurses are paid a low rate of the salaried sector, and working hours are not suitable. These results affect incomplete nursing care; nurses think that the performance given is commensurate with the salary given, even though not all tasks are complete (Momeni, Shafipour, Esmaeili, & Yazdani Charati, 2016; Suleiman, Hijazi, Al Kalaldehy, & Sharour, 2019).

Factors affecting nurse performance are motivation, work rotation rewards and punishment. The hospital management needs to improve the motivation of nurses by holding regular meetings to improve interpersonal relationships and giving stimulus for nurses' career program (Gunawan, Hariyati, & Gayatri, 2019; Terzioglu, Temel, & Uslu Sahan, 2016). Referring to the improvement and maintenance of nurse performance, a guiding framework uses Swanson's caring behaviors. Caring is an action based on affection, skill, empathy, responsibility, sensitivity, and support. Rewards by patients are needed for nurses in their work environment as an acknowledgment (Chana et al., 2015; Loke and Lee, 2020; Oluma & Abadiga, 2020; Rawnak, 2020). Caring is needed to solve these problems (Viselita, Handiyani, & Pujasari, 2019). On the other hand, as a nurse, caring professionalism should be a characteristic of

nurses in every action, and this can be used as innovations to help complement the quality of nursing work life to achieve better work output.

Nurses should try to provide impersonal care for patients through their work life so that they have higher quality. Previous research has shown that quality of nursing work-life can improve the performance of nurses, but there is no development of the QNWL model; therefore, this study is interested in developing QNWL by integrating it with Swanson's caring theory. The quality of the nursing work-life has not yet discussed the attitudes and relationships of nurses with patients where good relationships, such as understanding, the presence of nurses physically and psychologically (empathy), helping, providing support, and trust can increase the commitment and responsibility of a nurse. Based on the explanation above, the aim of the study was to develop a QNWL model to improve nurse performance by integrating Swanson's theory of caring which has five elements, namely, maintaining belief, knowing, being with, doing for, and enabling.

MATERIALS AND METHODS

Study design

An explanative observational research with a cross-sectional approach was used to this study.

Sample

The population in this study was nurses in inpatient care, intensive care, surgical installations, neonates, hemodialysis from eight hospitals in East Java. The sample size of 430 respondents used total sampling. The inclusion criteria were: (a) Nurses who have worked for at least one year, (b) minimum education diploma. The exclusion criteria were: the nurse was on leave, nurses who were in study permits, or assignments.

Table 1. Research Variable QNWL Model to Improve Nurse Performance by Integrating Swanson's Theory of Caring

Variables	Information	Indicators
X1	Individual factor	X1.1 Age X1.2 Sex X1.3 Marital X1.4 Education X1.5 Clinical level X1.6 Length of work X1.7 Income
X2	Social and environmental factors	X2.1 Communication X2.2 Leadership X2.3 Relationships between nurses X2.4 Relationships between departments X2.5 Relationships between professions X2.6 Environment
X3	Administrative factors	X3.1 Organizational policies X3.2 Occupational health X3.3 Safety and salaries
X4	QNWL based on caring	X4.1 Work life-home life (maintaining belief, knowing, being with, doing for, and enabling) X4.2 Work design (maintaining belief, knowing, being with, doing for, and enabling) X4.3 Work content (maintaining belief, knowing, being with, doing for, and enabling) X4.4 Work world (maintaining belief, knowing, being with, doing for, and enabling)
Y1	Nurse performance	Y1. 1 Quality of work Y1. 2 Quantity of work

Variables

The independent variables were individual factor (age, sex, marital, education, clinical level, length of working, income), social and environmental factors (communication, leadership, and relationships between nurses, between departments, between professions, environment), administrative factors (organizational policies, occupational health and safety and salaries), QNWL based on caring (work life-home life, work design, work content, work world involving maintaining belief, knowing, being with, doing for, and enabling). The dependent variable (Y1) in this study was the nurse performance (quality and quantity of work) (Table 1).

Setting and locations

The study was conducted between June and August 2020 in hospitals in East Java, Indonesia. The researchers introduced themselves and explained the benefits, goals, and approval procedures by referring to the

informed consent form. Furthermore, they gave questionnaires to respondents regarding any individual factor (age, sex, marital, education, clinical level, length of work, income), social and environmental factors (communication, leadership, and relationships between nurses, between departments, between professions, environment) and administrative factors (organizational policies, occupational health and safety, and salaries), QNWL based on caring (work-life-home life, work design, work content, work world, involving maintaining belief, knowing, being with, doing for, and enabling) and nurse performance (quality and quantity of work). The data collection was carried out by online using Google Forms.

Instrument and Measurement

Demographic factors consisted of age, sex, marital, education, clinical level, length of work, employment status, and income. The nurses' age was divided into four categories based on Indonesian age categories (Department of Health of Republic, Indonesia, 2009). The nurses'

education was divided into four categories based on the constitution of the Republic of Indonesia, namely: magister, profession, bachelor, and diploma (Higher Education Law No. 12 of 2012). Career path was divided into five categories based on Competency-Based Continuing Education (Certification) and was categorized into Level 1, Level 2, Level 3 (Regulation of the Minister of Health Number 40 of 2017 and Regulation of the Minister of Health Number 49 of 2013 concerning the Nursing Committee).

Nurse communication with patients was measured using a modified Nurse Quality of Communication with Patient Questionnaire (NQCPQ) questionnaire (Vuković, Gvozdrenović, Stamatović-gajić, Ilić, & Gajić, 2010). The questionnaire consisted of 13 questions with measurements using a Likert scale 0 = never, 1 = rarely, 2 = sometimes, 3 = often, 4 = always. The questionnaire used an ordinal scale with the following scoring: 3 = Good (76%-100%), 2 = Moderate (56%–75%) and 1 = Less (<56%). Relationships between nurses, department, and professions were measured using a modified Environment Scale of the Nursing Work Index (PES-NWI) questionnaire (Ferreira & Martins, 2014). The questionnaires on relationships between nurses, department, and professions consisted of 5, 6 and 6 questions, respectively, with measurements using a Likert scale of 0 = never, 1 = rarely, 2 = sometimes, 3 = often, 4 = always. The questionnaire used an ordinal scale with the following scoring: 3 = Good (76%-100%), 2 = Moderate (56%–75%) and 1 = Less (<56%).

The organizational policy was measured using a modified Questionnaire of Personal and Organizational Values Congruence for Employee (Q-POVC) questionnaire (Vveinhardt & Gulbovaite, 2017). The questionnaire consists of 13 questions using categories 0 = no, 1 = yes and uses an ordinal scale with the following

scoring: 3 = Good (76%- 100%), 2 = Moderate (56%–75%) and 1 = Less (<56%). QNWL was measured using QNWL Brooks & Anderson's quality of nursing work life, modified by the researchers. This scale has 42 items, and it has four subscales that focus on home life or work life (7 items), work organization or design (10 things), work conditions or contention (20 items), and work world (5 items). It was scored on a six-point Likert scale in terms of strongly disagree, moderately disagree, disagree, agree, moderately agree, strongly agree. The score on each item was summed up to obtain the total score. The subscale scores were accepted by summing up the score obtained in the subscales. The minimum total score was 42, and the maximum score was 252. The scores were interpreted as 42-84: low quality of work life, 85-168: moderate quality of work life, 169-252: high quality of work life. The instrument for nurse performance was made by the researchers based on the indicators of quality and quantity of nurse work. The questionnaire contained fourteen questions and used an ordinal scale with the following scoring: 3 = Good (76% - 100%), 2 = Moderate (56% –75%), 1 = Less (<56%).

Data analysis

Statistical analyses were performed using SEM PLS. Descriptive statistics, such as numbers, percentages, mean and standard deviation, were used to present the descriptive characteristics of the respondents. This study used a structural equation modelling model based on variance or component-based called PLS (Partial Least Squares). The model evaluation consisted of two parts, namely the evaluation of the outer model with the relative indicators evaluated based on the results of the validity and reliability indicators. Convergent validity was the correlation between the reflective indicator scores and the latent variable scores. A factor loading value of 0.5 to 0.6

states that the indicator was valid. Discriminant validity was the value of the cross-loading correlation with the latent variable, which must be higher than the correlation with other potential variables. The average variance extracted (AVE) value must be above 0.5, and the composite reliability value is good if it has a value of ≥ 0.7 . The evaluation of the inner model was done in order to determine the magnitude of the influence or causal relationship between the variables in the study, namely by getting the value of R square (coefficient of determination) and the value of Q2 (relevance of prediction). R square is a value that explains the amount of influence of the independent variables on the dependent variable. If the Q2 value is more than two and close to 1, then the model is proven to have predictive relevance. If the Q2 value is below zero, then the model has no predictive relevance.

Ethical Considerations

The Ethical Commission approved this study in Faculty of Nursing Universitas

Airlangga, East Java, Surabaya, Indonesia, with No. 2071-KEPK on August 4th, 2020. Written consent was obtained from all centers. The aim of the study was explained to the participants, and informed consent forms were collected.

RESULTS

The majority of respondents aged 26-35 years old were female, had completed a professional education (52.8%). The majority of nurses (76.3%) were married, had worked for five years with income > 5,000,000. The average length of work for nurses was around five years and above with a clinical level at level 2 as much as 40%% (Table 2).

Most of the respondents stated that communication with patients was good enough (63.72%)—leadership style was in the good category (53.02%). The relationship between nurses, departments, and professions was also good. Nurses stated that they have a high level of workload, but the shift schedule was in a good category and had high flexibility (66.05%). The supervisory role of the head of the room was also going well. From the aspect of organizational policy (59.53%) and salary (60%),

Table 2. Distribution of Respondent Characteristics (n=430)

Characteristics	Category	n	%
Age	17-25	152	35.3
	26-35	157	36.5
	36-45	102	23.7
	46-55	19	4.4
Gender	Male	153	35.6
	Female	277	64.4
Marital status	Single	98	22.8
	Married	328	76.3
	Divorced	4	0.9
Latest Education	Diploma	168	39.1
	Professional	227	52.8
	Magister	35	8
Clinical level (career path)	Pra clinic	44	10.2
	Level 1	105	24.4
	Level 2	172	40.0
	Level 3	109	25.3
Length of work	1-2 year	79	18.4
	3-4 year	49	11.4
	5 year	302	70.2
	< 1.000.000	5	1.2
	1.000.000- <2.000.000	68	15.8
Income	2.000.000- <3.000.000	81	18.8
	3.000.000- <4.000.000	81	18.8
	4.000.000- < 5.000.000	97	22.6
	> 5.000.000	98	22.8

Table 3. Variable Identification of Model Development

Variables	Good		Category Adequate		Inadequate	
	N	%	N	%	N	%
Social and environmental factors						
Communication	274	63.72	124	28.84	32	7.44
Leadership	228	53.02	150	34.88	52	12.09
Relationships between nurses	226	52.56	133	30.93	71	16.51
Relationships between departments	287	66.74	111	25.81	32	7.44
Relationships between professions	375	87.21	49	11.40	6	1.4
Environment	284	66.05	102	23.72	44	10.23
Administrative factors						
Organizational policies	256	59.53	66	15.35	108	25.12
Occupational health	50	11.63	290	67.44	90	20.93
Safety and salaries	258	60	158	36.74	14	3.26
QNWL based on caring						
Work life-home life (maintaining belief, knowing, being with, doing for, and enabling)	302	70.23	102	23.72	26	6.05
Work design (maintaining belief, knowing, being with, doing for, and enabling)	236	54.88	150	34.88	44	10.23
Work content (maintaining belief, knowing, being with, doing for, and enabling)	347	80.70	77	17.91	6	1.4
Work world (maintaining belief, knowing, being with, doing for, and enabling)	236	54.88	163	37.91	31	7.21
Nurse performance						
Quality of work	219	50.93	200	46.51	11	2.56
Quantity of work	404	93.95	23	5.35	3	0.7

Table 4. Results of the Statistical Hypothesis Testing Model Development

Variable	Path coefficients	t	p	Significance
individual factors (X1) → QNWL-based caring (X4)	0.094	2.040	0.042	Significant
social and environmental (X2) → QNWL-based caring (X4)	0.139	2.242	0.025	Significant
administrative (X3) → QNWL based caring (X4)	0.272	3.438	0.001	Significant
QNWL-based caring (X4) → nurse performance	0.290	4.997	0.000	Significant

some respondents said it was good, but for occupational health was adequate (67.44%). The mean total score of the QNWL in this study revealed that participants were, on average, experiencing good QNWL both dimensions work life-home life (maintaining belief, knowing, being with, doing for, and enabling), work design (maintaining belief, knowing, being with, doing for, and enabling), and work content (maintaining belief, knowing, being with, doing for, and enabling), work world (maintaining belief, knowing, being with, doing for, and enabling) (Table 3).

Figure 1 describes the results of the analysis of nurse performance on QNWL based on the caring model. The outer model was evaluated by measurement of the validity and reliability. Convergent validity was

determined using loading factors and the average variance value extracted (AVE). Measurements can be categorized as having convergent validity and reliability if the loading factor value >0.5 and AVE value >0.5. Based on the research results, it can be seen that three indicators were invalid (outer loading value < 0.5), and these must be removed from the model.

Evaluation of inner models was used to test the research hypotheses. The research hypothesis can be accepted if the value of T count >T table. As shown in Figure 1, the individual factors, social and environmental and administrative factors have a significant influence on QNWL based on caring (T > 1.96). The results of the hypothesis test were described as follows: (1) individual factor (age,

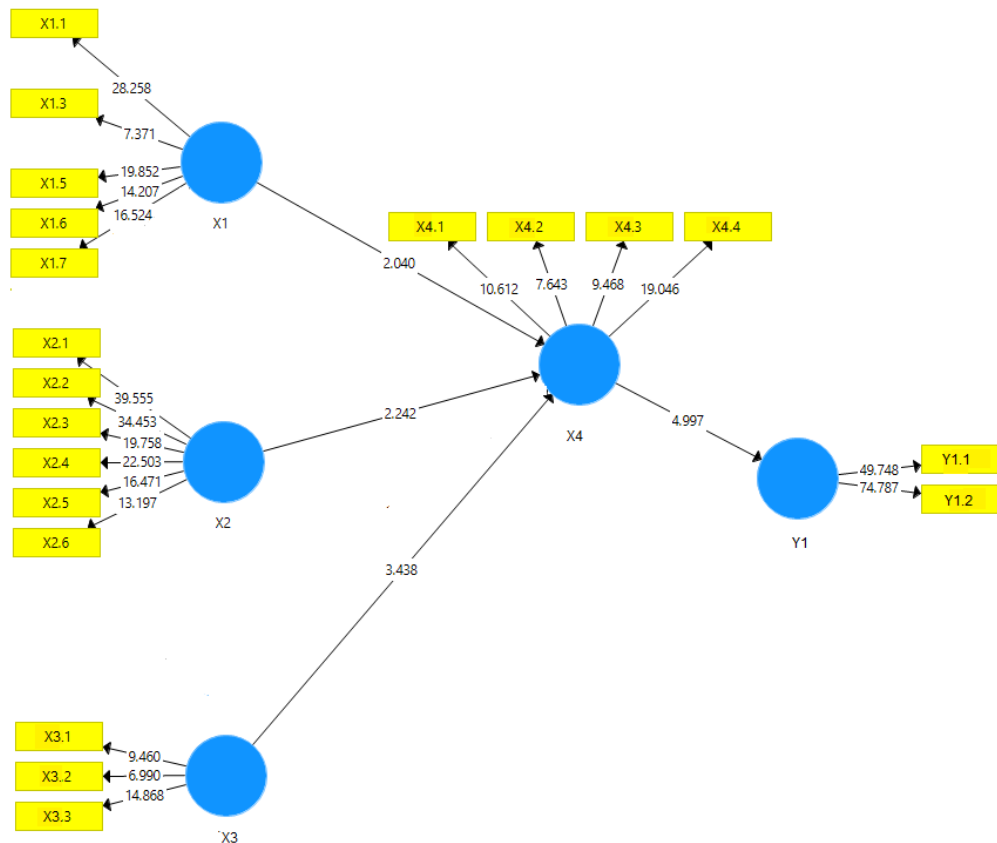


Fig. 1 Structure Model

sex, marital, education, clinical level, length of work, income); (2) social and environmental factors (communication, leadership, and relationships between nurses, between departments, between professions, environment); (3) administrative factors (organizational policies, occupational health and safety, and salaries); (4) QNWL based on caring (work life-home life, work design, work content, work world involving maintaining belief, knowing, being with, doing for, and enabling); (5) nurse performance (quality and quantity of work) (Table 3). The evaluation of developing QNWL based on caring was influenced by individual, social and environmental and administrative factors. Three latent variables impacted QNWL based on caring and influenced nurse performance. The novelty of this model was QNWL based on caring; there were some components of the Swanson's Theory of Caring that were compared with the QNWL dimension.

The results of the hypothesis test of the developed QNWL-based caring model for improving nurse performance are presented in Table 4. Based on Table 4, four hypotheses

were obtained as follows: (1) there was a significant effect of individual factors (X1) on QNWL-based caring (X4), which means that the better the individual factors, the more likely it was to increase the QNWL-based caring; (2) there was a significant social and environmental (X2) influence on QNWL-based caring (X4), which means that the better social and environmental trends to increase QNWL-based caring; (3) there was a significant administrative (X3) effect on QNWL-based caring (X4); (4) there was a significant effect of QNWL-based caring (X4) on nurse performance (Y1). The individual factors, social and environment factors, administrative factors and QNWL-based on caring have a significant influence on nurse performance ($T > 1.96$).

DISCUSSIONS

QNWL is important for nurses in carrying out their duties and jobs; a good work life can have a positive impact on nurse performance (Kelbiso, Belay, & Woldie, 2017). Nurses who integrate caring behavior in the nursing process create beliefs in behavior where the nurse

responds to what the patient feels and believes that these feelings can naturally occur to anyone who is in transition, offering a hope-filled attitude, helping to find meaning, avoiding assumptions, assessing thoroughly, seeking clues, centering on the one cared for, engaging the self of both, non-burdening, converting availability, enduring with, sharing feelings, comforting, performing competently, preserving dignity, protecting, informing, and supporting (Kalfoss & Owe, 2015). This can be useful for nurses to improve their performance in providing nursing care (Faizin, Fitryasari, Wahyuni, & Nursalam, 2020). The importance of leadership participation, communication, relationships among nurses and other professions also has an influence on nurse performance (Bainbridge & Nasmith, 2011; Rosenstein & O'Daniel, 2008; Shalala et al., 2011; West et al., 2015). Increasing QNWL can make nurses more confident and able to work optimally. QNWL is a multi-dimensional concept that includes the domains (a) work life-home life, (b) work design, (c) work context, and (d) work world (Viselita et al., 2019). This includes all aspects of a nurse's life, both directly and indirectly focusing on the quality of her work.

The QNWL-based caring model can improve individual, social and environment and also administrative factors, which will impact the nurse performance. Seven indicators can have a vital role in improving individual factors, namely, age, gender, marital status, latest education, clinical level (career path), length of work, income. First, individual factor of nurses influencing the nurse's performance is education (Pujiyanto, Suprihati, Nursalam, & Ediyati, 2017). This is in line with research in Jordan and Turkey where there is an effect of nurse education on improving nurse performance (Sirin & Sokmen, 2015; Suleiman et al., 2019). The higher the level of education of a nurse, the higher the critical thinking, mature logic and can systematically improve the quality of work. A nurse with a higher level of education will think critically and more maturely than a diploma graduate. Education affects performance whereby nurses with higher education levels have more insight and knowledge. The caring aspect will also be explored as an important behavior and can be applied to improve nurse performance.

Women are stated to have a higher quality of working life with an average age of 26-35 years.

Length of work is also one of the factors that can affect the performance of nurses where a long experience will shape positive work behavior in nurses. Someone who already has extensive work experience can provide good performance by completing work on time, providing services in accordance with service standards, and having a positive impact on their work environment. When a nurse understands their duties correctly, it can benefit patients by improving the quality of their work. Work experience can provide benefits in the services that nurses provide to patients. The nurse will better understand the patient's needs and expectations so that they can provide assistance more quickly and accurately. Previous research has also shown that nursing care is influenced by nurses' work experience (Al-Tannir, 2018; Kaddourah, Abu-Shaheen, & Al-Tannir, 2018; Viselita et al., 2019; Viselita, Handiyani, & Pujasari, 2019). Nurses can provide appropriate care so as to increase patient confidence in nurses. Salary is the next factor that can improve nurse performance. An equal and commensurate salary given to nurses can increase the work motivation of nurses to provide the best performance; this has been supported by previous research (Kurtzman et al., 2011; McHugh & Ma, 2014; Platis, Reklitis, & Zimeras, 2015). Salaries that are not commensurate can hinder the quality of the work of nurses by decreasing and not maximizing performance (Winasih, Nursalam, & Kurniawati, 2015).

Meaning influences social and environment. For nurses, organizational communication is a process that provides benefits for improving employee performance. This study is in accordance with previous research conducted to determine the relationship between organizational communication and the performance of nurses (Kieft, de Brouwer, Francke, & Delnoij, 2014). Performance as a result of individual or group activities in an organization is an important thing that shows the successful implementation of the management system. Interaction in organizations requires coordination in various ways through communication so that individuals or groups in the organization become integrated parts to achieve one goal. Organizational communication is the glue of

togetherness in the organization to achieve goals, coordinate organizational activities, and direct the behavior that the organization expects. Organizational communication that occurs effectively will make it easier for nurses to pay attention to things that are prioritized in the organization (Merlino, 2017; Rosenstein & O'Daniel, 2008). Nurses can achieve work-related goals through collaboration and effective communication with colleagues. Research shows a significant relationship between the head nurse's interpersonal communication and the job satisfaction of nurses (Dehaghani, Akhormeh, & Mehrabi, 2012). Weak organizational communication that occurs in nursing services can be an obstacle to achieving organizational goals in accordance with the established vision. Weak communication illustrates that communication has not occurred effectively; namely, the receipt of messages or information has not been accompanied by feedback from the recipient of the message.

Leadership can improve nurse performance. Nursing leadership behavior has been found to affect the ability of nurses to exceed the expectations of their superiors in meeting organizational goals (Ibrahim, El Sayed, Attala, & Elmezin, 2016). Nursing performance is associated with patient outcomes, and nursing leadership styles have an impact on meeting organizational goals (Cummings et al., 2010). However, several studies have investigated which leadership factors are considered by nurses themselves to influence their motivation to perform well and achieve organizational goals under increasing demands (Whitby, 2018). A systematic review is designed to gather evidence about the relationship between leadership and nurse performance from a nurse's perspective in order to understand the role of leadership in performance motivation. Based on a review of the literature, it is evident that limited research focuses on what nurses perceive to be their motivation to perform well, including whether the nursing leadership style is a factor in individual performance, among the various theories of nursing leadership today, in relation to positive employee performance and the theory of emotionally intelligent leadership (Brady & Cummings, 2010; Sfantou et al., 2017). Nurse leaders must have the ability to influence staff and promote thoughts and

actions that will lead to achieving the organization's goals, such as positive patient outcomes. This paper thus has the potential to provide healthcare organizations, particularly nurse managers and nurse leaders, with evidence-based knowledge of what motivates nurses to meet organizational goals of excellence in patient care, and further what leadership skills are needed to facilitate this.

The findings related to development of a QNWL to improve nurse performance demonstrated that QNWL based on caring positively influenced nurse performance. QNWL is something that requires attention in regard to the human resource management approach. There are many nursing facilities in the workplace that do not support nurses in carrying out their duties. Thus, the goal of QNWL is designed to achieve optimal nurse performance. The nurses in this study reported an increase in workload, resulting in fatigue, and yet still had energy after work.

QNWL based on caring promotes peran perawat yang sangat penting dalam hal profesionalitas kerja. Penerapan caring dalam QNWL memberikan staf mechanical thinking and encourages problem solving. In the work design dimension, nurses reported that their workload is heavy, and felt that there were inadequate nurses in the work setting. Furthermore, the majority of nurses were not satisfied with their job and they felt that they do not provide good quality patient care. This was found consistent with the findings of some previous studies which concluded that nurses' workload was heavy, and a majority of nurses were unable to complete their work in the time available (Akter, Akkadechanunt, Chontawan, & Klunklin, 2018; Alharbi, Alahmadi, Alali, & Alsaedi, 2019; Almalki, FitzGerald, & Clark, 2012; Suresh, 2013). So, to overcome this, a new behavior pattern was formed with caring behavior toward nurses as a solution to overcome communication problems with poor patients. As has been researched, this study shows that incorporating aspects of good relationships, such as understanding, the presence of nurses physically and psychologically (empathy), helping, providing support, and trust, can increase the commitment and responsibility of a nurse and can increase work design to be better.

In the work context dimension, the current study revealed that about half of the nurses were able to communicate with the nurse manager, receive feedback on their performance from the nurse manager, work within a team, feel respected by physicians, and were able to communicate with the other therapists in the unit, and felt they belonged to the workplace. These results are consistent with previous studies which stated that half of the sample was able to communicate with nurse manager/supervisor, and had adequate supervision by nurse supervisors (Nursalam, Fardiana, Asmoro, Fadhillah, & Efendi, 2018; Winasih et al., 2015). In contrast, the results of the current study were found inconsistent with other studies which concluded that few nurses felt respected by the upper management, and were able to participate in decisions (Akter et al., 2018; Suleiman et al., 2019).

In the work world dimension, the respondents of the current study think that society has a negative image of nurses, that they do not receive adequate salary in comparison to the job market and their job impacts the lives of patients/families. The findings of this study are consistent with study (Karimi - Shahanjarini et al., 2019; Nursalam, Fibriansari, et al., 2018b) which emphasized that people think of nurses as assistants to the physicians, and many physicians also regard nurses only as their helpers and do not consider them as specialists in the art of caring. Furthermore, nurses felt that poor public image of nursing may affect not only their recruitment, but also their attitudes towards work (Gunawan, Aunguroch, Sukarna, & Efendi, 2018; Kaur Pushpinder & Rawat, 2017).

This study highlights the opportunities to create more perfect nursing care for patients. In other words, the opportunity for hospital nurses must be able to create a suitable quality of work while still providing the identity of a nurse, namely caring behavior. QNWL must be created through communication, patterns of relationships between caregivers and patients, with peers, other professions, leadership, and the environment (support system). Communication among nurses at all levels is important. Nurses must be aware of challenges that may affect their performance and be able to find solutions to problems in order to improve the status of quality work and carry out nursing care perfectly.

CONCLUSION

The model development in this research is a form of developing the dimension quality of work life of nurses which is integrated with Swanson's caring theory, whereby each dimension, such as work dimension and work content, is integrated with aspects of caring behavior, namely, good relationships such as understanding, the presence of nurses physically and psychologically (empathy), helping, providing support, and trust, which can increase the commitment and responsibility of a nurse. The evaluation of the QNWL model based on caring was influenced by some factors, including individual factors (age, sex, marital, education, clinical level, length of work, income), social and environmental factors (communication, leadership, and relationships between nurses), between departments, between professions, environment) and administrative factors (organizational policies, occupational health and safety, and salaries).

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Conflict of Interest

All the authors have no conflict of interest related to the study.

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