

# The Relation between Nurses’ Spiritual Intelligence and Patients Spiritual Needs Fulfillment: Cross Sectional Study

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**Abstract**—Nurses who have good spiritual intelligence are used to build awareness on the basis of worship and the help of human needs. Spirituality can help patients to understand the way of life and find their confidence. Therefore, they can be able to and find hope, inner harmony and composure. The purpose of this study was to determine the relationship between nurses spiritual intelligence with fulfilling patients spiritual needs in the hospital ward PKU Muhammadiyah Gamping. This research used quantitative method with cross sectional research design. The sample in the study were 91 nurses who worked and served in the wards of PKU Muhammadiyah Gamping Hospital and were willing to fill out the questionnaire which is determined by simple random sampling method. Most of the nurses at PKU Muhammadiyah Gamping have spiritual intelligence in good category (82.4%) and fulfilling patients spiritual needs with good category (62.6%). The result of statistical analysis showed that there is relation between nurses spiritual intelligence and fulfilling patients spiritual needs with value  $p = 0.002 (<0.05)$ . The findings indicated that nurses' spiritual intelligence is an important value and has relation with patients spiritual needs fulfillment. The better the spiritual intelligence a nurse has, the better the act of spiritual care that will be done to meet the spiritual needs of the patient. The further study is needed to know the effect of nurses’ spiritual intelligence toward patients spiritual needs fulfillment.

**Keywords**—spiritual intelligence, spiritual needs, nurses

## I. INTRODUCTION

Humans are seen as holistic beings in nursing which include bio-psycho-spiritual-cultural. This is a nursing principle that not only is the biological aspect considered in nursing care but also looks at other aspects [1]. Spiritual aspects cannot be separated from the provision of nursing care to patients and an integral part of nurse-patient interaction. Spiritual distress can cause disharmony with oneself, others, the environment and God [2]. Wahab and Umiarso [3] argued that people with spiritual intelligence can maintain harmony in their daily lives and be humanistic towards others. According to Vaughan [4], one of the characteristics of a spiritually healthy person is someone who has social responsibility, showing concern for others, having a willingness to help when seeing other people's distress, and giving more than receiving.

Sukidi [5] stated that someone will live life wisely and feel the peace of the soul if spiritually intelligent and will have an impact on their interactions in daily life in the form of patient behavior, empathy, compassion, showing feelings of calm and peace, humility, warmth and inner strength. The study from

Wahyuni et al [6] with the title of the relationship between spiritual intelligence and pro-social behavior on nurses in the hospital Islamic Banjarmasin showed that there is a strong positive relationship between variables of spiritual intelligence and pro-social behavior on nurses. The other research conducted by Merianti and Andhika [7] showed that there was a relationship between spiritual nurse quotient competence in spiritual care at Ibnu Sina Padang Panjang Islamic Hospital in 2013.

Based on this background, researchers want to do research about Relationship between Nurse Spiritual Intelligence and Fulfillment of Patient's Spiritual Needs..

## II. METHODS

This study used a method quantitative descriptive with cross sectional approach. The study took place in April 2018. Respondents in this study were nurses in the wards of PKU Muhammadiyah Gamping Hospital with a population of 117 nurses and a sample of 91 nurses was determined using random sampling. The inclusion criteria in this study were nurses who work at PKU Muhammadiyah Gamping Hospital and served patients in wards. The exclusion criteria is nurses who were not present at the time of data collection and not on duty in the inpatient ward. This study has obtained an ethical licensed from Ethics Commission of Faculty of Medicine and Health Sciences Universitas Muhammadiyah Yogyakarta with letter number: 207/ EP-FKIK-UMY/IV/ 2018. The data were analyzed by univariate and bivariate analysis. Bivariate analysis was conducted using Spearman Rho.

## III. RESULT

Table I shows that there are 68 (74.7%) female respondents who have more female characteristics, 82 (90.1%) in early adulthood, and 46 (50.5%) in Bachelor degree for education person.

TABLE I. CHARACTERISTIC OF SUBJECT

Characteristic	Total	Percentage (%)
<b>Sex</b>		
Female	68	74.7
Male	23	25.3
<b>Age</b>		
Early Adulthood	82	90.1
Late Adulthood	9	9.9
<b>Level of Education</b>		
Bachelor	46	50.5
Diploma	45	49.5

Table II shows that 75 (82.4%) respondents have good spiritual intelligence.

TABLE II. 2. NURSES SPIRITUAL INTELLIGENCE

<i>Spiritual Intelligence</i>	<i>Number</i>	<i>Percentage (%)</i>
Good	75	82.4
Fair	16	17.6
Poor	-	-
Total	91	100

Table III shows that 57 (62.6%) respondents had good spiritual needs.

TABLE III. PATIENTS SPIRITUAL NEEDS

<i>Patients Spiritual Needs</i>	<i>Number</i>	<i>Percentage (%)</i>
Good	57	62.6
Fair	33	36.3
Poor	1.1	1.1
Total	91	100

Table IV shows that the correlation between nurses' spiritual intelligence and meeting the spiritual needs of patients by nurses is said to be significant if the value of  $p < 0.05$ , in this study there was a relationship between spiritual intelligence and meeting the spiritual needs of patients by nurses in the wards of PKU Muhammadiyah Gamping Hospital ( $p = 0.002 < 0.005$ ) while the connection strength is weak because the value is 0.314.

TABLE IV. 4. THE RELATION BETWEEN NURSES SPIRITUAL INTELLIGENCE AND PATIENTS SPIRITUAL NEEDS

<i>Method</i>	<i>P</i>	<i>R</i>
Spearman rho	0.002	0.314

#### IV. DISCUSSION

The results showed that the age range of respondents was 21-53 years old. This shows that nurses who work in the wards are in the adult age category. This research is in line with the research conducted by Asmuji [8] with the title Relationship between Nurse Characteristic Factors and Nurses' Performance in the Documentation of Nursing Care at the Inpatient Installation of Dr. H. Koesnadi Bondowoso hospital that vulnerable to nurse age is between 24-55 years. According to Riyadi [9], the age of nurses was closely related to the performance of nurses in providing nursing services, because the more mature the nurse's age, the more experience he had.

Nurses' education in this study had the most diploma education. This research is in line with the research of Ariyanti [10] with the title Relationship between Nurse Characteristics and Organizational Characteristics with Caring Behavior of Executing Nurses in Home wardss Kartika Husada Pontianak Hospital showed that most of the nurses who worked were Diploma with 93 (89.4%). Level education greatly influences a person's personality, with one's education will broaden insight, knowledge and skills so that they are able to face problems faced in their profession [11].

The percentage in this study shows more female nurses, 74.7% of male nurses as much as 25.3% in the inpatient ward of PKU Muhammadiyah Gamping Hospital. This research is

in line with the research conducted by Asmuji [8] that the population of female nurses was 71 more than male nurses as many as 35. Female nurses at generally have advantages compared to male nurses. The advantages lie in patience, thoroughness, responsiveness, gentleness, instincts of educating, caring, nurturing, serving, and guide who can minimize mistakes that are made so that they can cause differences in nurse competency itself [12]. Judging from gender, women are more likely to be diligent or diligent to carry out religious rituals that they believe in, such as religious places and other religious rituals [13].

Based on the results of the study it was found that the spiritual intelligence of nurses was included in the good category, this can be seen from the total sample of 91 respondents, 75 respondents (82.4%) from the total included in the good category, and 16 respondents (17.6%) including enough category. In line with the research conducted by Khotimah [14], show results that are on average the spiritual intelligence of nurses in the inpatient ward of Al Islam Bandung Hospital, from 97 nurses who were respondents there was an average score of 78.87 or near the highest value. This research is not in line with the research conducted by Anggriani [15] showed that 67.1% nurses had low spiritual intelligence and 32.9 nurses have high spiritual intelligence.

Influential age in shaping the level of knowledge of spiritual intelligence by nurses. This is reinforced by the statement Inayatullah [16] ages 18-40 years is a productive and creative early adulthood, where individuals have the mental ability to learn, adjust to new situations, such as remembering things that have been learned because there has not been a decline in memory, and is responsible for the burden given to him and apply the knowledge he has. In a study conducted by researchers in the PKU Hospital wards Muhammadiyah Gamping, the highest number of nurses is on average 29 years old.

Based on the results of the study showed that the fulfillment of the spiritual needs of patients by nurses to inpatients in PKU Muhammadiyah Gamping Hospital in good categories was 57 respondents (62.6%), enough as many as 33 respondents (36.3%) and bad as many as 1 respondent (1.1%). The results of this study are in accordance with the research conducted by Situmeang [17] with the title Knowledge, Attitudes and Actions of Nurses in Fulfilling Spiritual Needs in HIV Patients in RSUP H. Adam Malik Medan with the results that as many as 71.1% fulfillment of spiritual needs by nurses in good categories, 21.1% in the sufficient category and 7.9% in the bad category.

The first aspect that must be considered by nurses in meeting needs spiritual client is an increase in nurses' knowledge about the client's spiritual care and its benefits, because a person's positive or negative attitude towards an object is largely determined by the level of one's knowledge of the object's benefits [18]. Research on do by Archiliandi [19] obtain nurse results with a minimum Diploma's education can influence fulfillment of spiritual care needs be good, because at the stage Diploma's education is a level higher education, nurses with an education level will practice effective and efficient holistic nursing, with a good level of education will give a good contribution in nursing practice so that in the

advancement of the patient's spiritual needs can be maximally fulfilled.

As explained by Arini [20] in his research stated that the education level of Diploma is a higher education level. Nurses with good enough education will carry out effective and efficient nursing practices with a sufficient level of education that will contribute well in nursing practice so that in fulfilling the patient's spiritual care needs can be fulfilled. In a study conducted by researchers in the wards of PKU Muhammadiyah Gamping Hospital, the highest number of nurses was educated by Diploma.

Based on Spearman's rho test on two variables, namely the relationship between spiritual intelligence and the fulfillment of patients' spiritual needs with significance ( $p = 0.002 < 0.05$ ) it means that there is a relationship between nurses' spiritual intelligence and meeting the spiritual needs of patients in PKU Muhammadiyah Gamping Hospital while the connection strength is weak because the value is 0.314. This is supported by Alaidin's [21] research with 90 nurse respondents in the RSJD Dr. Amino Gundhuto Semarang which shows the results that there is a relationship between the spiritual intelligence of nurses and meeting the spiritual needs of patients. This is also supported by research conducted by Emamgholian et al [22] showing that there is a relationship between the nurse's spiritual intelligence and competence in providing spiritual care with a correlation coefficient  $r$  of 0.23 with a significant level of  $p = 0.001$ . Different from research conducted by Wulandari (2016) states that there is no significant relationship between spiritual intelligence and fulfillment of spiritual needs by nurses.

Nurses who integrate professions with spirituality can make nurses better nurses. The influence of spirituality and spiritual intelligence used can enable nurses to solve their problems with a spiritual approach that can achieve well-being and self-actualization [23]. Meeting the patient's spiritual needs is one of the actions of nurses to meet holistic basic needs for patients [24]. Several factors can influence the practice of fulfilling spiritual needs patients include training and knowledge of spiritual nursing care, nurse's spiritual competence, perceptions of fulfilling the patient's spiritual needs as nurses' responsibilities, workloads and time spent by nurses [25].

In addition, other factors that can influence nurses to provide spiritual care to patients are nurses' awareness of spirituality, awareness of the existence of higher power, and the ability to search for meaning in life, where these components are part of spiritual intelligence [26]. The development of spiritual intelligence can increase spirituality and help a nurse provide spiritual care to patients [23]. Someone who is spiritually intelligent is not only intelligent in terms of knowledge, but also has a high level of awareness about spirituality, so that nurses can be more sensitive, reflective and responsive to their meanings and life experiences, and thus nurses tend to be easier to have a positive attitude towards providing spiritual care to patients [27].

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