FACTORS CONTRIBUTED TO JOB SATISFACTION AMONG NURSES WORKING AT TERTIARY HOSPITALS IN THE KLANG VALLEY: AN ADAPTATION OF THE HERZBERG'S THEORY

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Abstract: Job satisfaction is linked to job performance in the workplace, and in the nursing context, it is critical in influencing productivity and patient care quality. The study adapts Herzberg's Theory to determine factors contributing to job satisfaction among nurses working at tertiary hospitals in Klang Valley. A cross-sectional study was conducted, and it involved 403 nurses who work in two public hospitals in Klang Valley. Samples were selected using simple random sampling, and data was collected using a self-administered questionnaire of two parts. Part A contained sociodemographic characteristics, and Part B measured job satisfaction. Descriptive analysis, correlation analysis, t-test, ANOVA, and Multiple Linear Regression (MLR) were used. Results of bivariate analyses indicate significant differences in job satisfaction levels concerning age, marital status, year of work experience, and income levels (p < 0.05). When analysed using multiple linear regression, only work experience significantly predicted job satisfaction (p < 0.05). This research expands on empirical findings on nurses’ job satisfaction. In addition, this study is expected to benefit health institutions by providing information to assist policymakers in increasing the participation of nurses in the local workforce.

Keywords: Job satisfaction, tertiary care centres, work performance.

Introduction
The shortage of nurses impacts not only the quality of care provided by nurses but also has an impact on their overall satisfaction with their jobs. Various aspects of job satisfaction among nurses have been extensively researched, including work conditions, remuneration packages, professional development, relationship with co-workers, and elements of supervision (Atefi et al., 2016). Prior research has discovered a link between high levels of job satisfaction and nurses’ productivity and retention rates, which may help to alleviate the nursing shortfall (Tang & Ghani, 2012).

Literature Review
Job satisfaction is an attitudinal variable that reflects how much people enjoy (satisfaction) or detest (dissatisfaction) their occupations. The unhappiness of employees who believe that their needs are not being met will leave their jobs in frustration. Being dissatisfied with one’s employment will lead to thoughts of resigning, which will lead to job searching, end in the intention to quit, and ultimately induce turnover. In nursing, it is one of the constructs frequently used to characterise the working conditions of nursing workers, mainly because of the significant relationships it has with other factors. Previous research has discovered that employees who are more content with their occupations, supervisors, and co-workers are more inclined to identify with their businesses and are less likely to seek employment elsewhere. Job satisfaction is critical in nursing because it influences nurses’ productivity and patient care quality. Letvak and Buck (2008) discovered that the following factors were associated with decreased nurses’ work productivity: Age, the total number of years worked as a registered nurse, quality of care provided, job stress, having suffered a job...
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injury, and having a health problem, all of which are related to job satisfaction. Furthermore, they discovered that the inability to deliver high-quality care and job satisfaction were connected with a lack of desire to continue nursing.

In a study undertaken by Newman and colleagues (2002), in the recruitment and retention of nurses, it was discovered that patients, job characteristics, and the team, or ‘people I work with’ were the three most essential factors in determining job satisfaction for nurses. On the other hand, Uttriainen and Kyngas (2008) found that job satisfaction differs depending on the type of nursing work performed by the participants, the place of employment, the specialist area, and the nursing function. Meanwhile, Wilson et al. (2008) discovered that job satisfaction varies depending on the generation of nurses in the workforce (Baby Boomers, Generation X and Generation Y). In numerous studies, job satisfaction is the most critical predictor of nurse retention. According to Kavanough et al. (2006), professional experience is one of the demographic variables most substantially associated with job satisfaction.

Furthermore, an increase in organisational support will result in greater job satisfaction. More significant support for employees may enable them to perform direct work more effectively, increasing employee satisfaction and retention. Wilson et al. (2008) proposed that participation in decision-making, organisational support for professional and educational opportunities, and the ability to self-schedule are all possible strategies that may increase overall job satisfaction for registered nurses. Their study proposed that participation in decision-making, organisational support for professional and educational opportunities, and the ability to self-schedule are all possible strategies that may increase overall job satisfaction. It has been recognised as a critical element of nurse turnover or intention to leave (Zangaro & Soeken, 2007; Lu et al., 2015).

The literature demonstrates that nurse retention is connected to job satisfaction. Nurses with low job satisfaction have a 65% reduced probability of intending to stay in their current employment compared to nurses with high job satisfaction (Lu et al., 2015). An in-depth understanding of elements contributing to job satisfaction can be used to design successful measures to increase nurses’ job happiness and the quality of patient services (Zarea et al., 2009; Bagheri et al., 2019). Zangaro and Soeken (2007), in a review of 31 research composed of a total of 14,567 nurses showed work satisfaction to be positively associated with nurse-physician collaboration and professional autonomy. Other studies indicated that job satisfaction is also affected by perceived low levels of job security, schedule inflexibility, low salary, inadequate staffing, heavy workloads, lack of clinical autonomy, and poor support from supervisors (Mirzabeigi et al., 2009; Zarea et al., 2009; Al-Hussami, 2018).

Numerous studies have found that collaborative relationships among nurses, collaboration with physicians in patient care decision-making, and teamwork are all critical factors in determining the level of job satisfaction experienced by nurses (Gardulf et al., 2008; Wyatt & Harrison, 2010). Several factors were identified as associated with job dissatisfaction among nurses in a study that compared job satisfaction among nurses in Belgium, England, Finland, Germany, Greece, Ireland, the Netherlands, Norway, Poland, Spain, Sweden, and Switzerland. These factors included a lack of educational and advancement opportunities, low salaries, and much work (Aiken et al., 2012). According to the findings derived from studies conducted in Malaysia, nurses reported low to moderate levels of job satisfaction in all components of job satisfaction, including not enough support provided by supervisors, relationships with co-workers, salary, nursing management policies, and low levels of clinical autonomy, among other things (Ahmad & Oranye, 2010; Masroor & Fakir, 2010). Little information is available about the factors contributing to low to moderate levels of job satisfaction (Masroor & Fakir, 2010).
Job satisfaction is a general expression of a good attitude that a person develops and expresses towards the job and the environment in which they work. In other words, this positive attitude or motivation is formed internally by the employee; it demonstrates the level of enthusiasm that stems from specific values and beliefs that the employee develops from his world based on impressions of the workplace. Employees who are satisfied with their jobs are more motivated to perform better. When employees lack physical safety, job security, positive relationships with co-workers, recognition for outstanding performance, leadership support, and autonomy in their work environment, they become dissatisfied. Employees are stressed in such circumstances and are more prone to experience workplace-induced burnout and departing their positions (Hashim, 2015). This contributes to an increase in turnover rates. Several studies correlate job satisfaction and physical aspects of emotional and psychological illnesses such as anxiety, neurosis, sadness, and phobias (Jex & Gudanowski, 2010). Similarly, a gratifying job would increase workers’ physiological, safety, and security demands, subsequently improving their work performance, reducing absences, and lowering the rate at which they quit their jobs.

Furthermore, unsatisfied employees will not hesitate to leave the company if they are not content with their jobs (Raziq & Maulabakhsh, 2015). Nursing administration must thoroughly understand nurses’ job satisfaction to function effectively. Nurse leaders must understand what makes nurses tick and keep them motivated and satisfied. In such a case, they can adapt and make appropriate changes to facilitate nurse satisfaction. As a result, this indirectly improves patient satisfaction, which will improve the employee retention rate. Combining these two factors will eventually result in increased profits for the organisation. Executives in the nursing field have discovered that strategies that result in high job satisfaction are among the most effective in retaining nurses (Rai et al., 2021).

The relationship between high employee work satisfaction and high patient satisfaction may result from various factors. One possibility is that nurses increase their productivity when content with their jobs. Another factor is that nurses who are satisfied with their jobs are less likely to leave their positions. Nurses will gain more experience in their work facility due to the lower turnover rate. As a result, the nurse will have less chance of working understaffed. This is critical because when nurses are understaffed, they cannot provide each patient with the required time and attention. Studies have repeatedly shown that understaffing has resulted in adverse patient outcomes (Berens, 2000; Morrissey, 2002).

The Two Factor Theory, often known as Herzberg’s motivational hypothesis or the hygiene-motivator theory is a variation of the Two Factor Theory. A psychologist from the United States named Herzberg (1923-2000) came up with the idea for this concept. Frederick Herzberg developed this idea, which linked intrinsic features to job satisfaction, whereas external parts of a job were linked to low job satisfaction (Rai et al., 2021). The extrinsic factors influencing workplace performance include wages, job security, working environment, status, work procedures, supervisory quality, and interpersonal relationships between co-workers, managers, and subordinates. Achievement, recognition, responsibility, possibilities for professional advancement, the work itself, and the ability to improve are fundamental parts of job responsibilities and expectations.

According to Herzberg, hygiene factors are not motivators in the traditional sense. The motivational factors must result in high levels of satisfaction. The factors that influence how well a healthcare organisation is and motivate employees to achieve higher performance levels are called happiness factors. Only important intrinsic factors are found in aspects of motivation that workers find essential. In this case, the motivator’s representation of psychological needs is viewed as a benefit. Job-related motivating factors are recognition, appreciation, challenging work, progress, and career advancement opportunities (Alshmemri
The characteristics of their current job influence employees’ intrinsic motivation. Hence, it concerns job content, also intrinsic employment characteristics in some circles.

In conclusion, low job satisfaction contributed to a high rate of nurse turnover (Khunou & Davhana-Maselesele, 2016). According to Khunou and Davhana-Maselesele (2016), job satisfaction is a significant predictor of nurses’ desire to leave the job and turnover rate, and job satisfaction is an essential predictor of nurse turnover rate. Herzberg's Theory identified two factors related to motivation and hygiene, responsible for most of the variance in overall job satisfaction. Using this information can lay the groundwork for acquiring more current knowledge. Thus, this study aims to determine factors contributing to job satisfaction among nurses working at a tertiary hospital in Klang Valley by utilising Herzberg's Theory. The research questions that guide this study were:

1. What are the levels of job satisfaction among nurses working in tertiary hospitals?
2. What factors contributed to job satisfaction among nurses working in tertiary hospitals?

**Materials and Method**

**Study Design**

A quantitative cross-sectional study was conducted to collect information regarding job satisfaction among nurses.

**Study Setting**

We recruited nurses from two tertiary hospitals in Klang Valley for this study. A total of 1,873 registered nurses are presently employed in Hospital A and 3,599 registered nurses in Hospital B, respectively.

**Samples (n)**

This study used the Raosoft sample size calculator for quantitative design (Raosoft, 2004). It is justified because the total population is known, and the website provides an accurate sampling outcome. The total sample size is 360 nurses from a total population of 5,472. The calculation was based on a margin error of 5%, a confidence level of 95%, and a response distribution of 50%. To avoid missing data where questionnaires were not adequately answered or in case of damaged copy, an additional 10% of the total samples were included in the total samples of 360, making the final samples in this study 396. However, at the end of the data collection period, the final samples were 403. The inclusion criteria for this study were registered nurses with working experience of more than three years. During the data collection process, those on leave (study, maternity, and long sick leave) were excluded.

**Sampling Technique**

Because there are multiple locations of hospitals used in this study, the sampling approach is multi-stage and proportional stratified. The researcher separates the nursing population into subgroups based on their place of employment. This is done to guarantee that all the chosen samples fairly reflect each facility. For sample selections, a master list was generated by the Human Resource Department involved in this study and for all nurses currently working in the hospitals. For the second stage of sampling, simple random sampling was used. All nurses who fulfilled the inclusion criteria were included. To ensure confidentiality, a unique identification number was assigned to each record and then, using a random number generator, the name of the participants were selected, and they were invited to participate in this research.

**Ethical Approval**

Medical Research Ethics Committee (MREC) through National Medical Research Registry (NMRR-20-130-52821), granted this study’s ethical approval. Permission to collect data was also obtained from the participating hospitals before the research was conducted.
**Instruments**

In this study, a self-administered questionnaire was distributed to the nurses. The questionnaire form was prepared in the English language. This questionnaire was divided into two sections (Part A and Part B). In Part A, the information included participants’ sociodemographic characteristics like gender, age, working experience, marital status, and monthly income. In Part B, the questionnaire measured job satisfaction and was adopted from the study “Relationship between Nurses’ Job Satisfaction and Quality of Care” (Aron, 2015). The questionnaire comprised of 24 items. The items were designed using a five-point Likert scale. Respondents were asked to rate their degrees of agreement with the items by assigning scores from 1 to 5, with 1 indicating “strong disagreement” and 5 indicating “strong agreement”. This questionnaire measured the unitary construct of job satisfaction with no sub-domain. The higher scores indicate a higher level of satisfaction.

**Reliability and Validity**

In this research, Cronbach’s Alpha value was 0.97, indicating high internal consistency. The content validity index was 0.90, indicating an adequate level of inter-rater proportion agreement. This shows that the data gathered from the questionnaire were appropriate, as the content validity index exceeded 0.83 (Polit et al., 2007).

**Results**

**Data Analysis**

Statistical Package for Social Sciences (SPSS) version 20 software was used to analyse the data. This study used validity and reliability analyses, descriptive and bivariate analyses, and Multiple Linear Regression (MLR) analyses. In bivariate analysis, a normality test was conducted beforehand to determine the use of the parametric or non-parametric test. Since the results showed that the data were distributed normally, parametric tests such as \( t \)-test and

| Table 1: Demographic characteristics of the participants |
|-----------------------------|------------|--------|------------------|
| **Variable** | **Category** | **Frequency** | **Percentages (%)** |
| Gender | Female | 382 | 94.8 |
| | Male | 21 | 5.2 |
| Age | Less than 30 years old | 168 | 41.6 |
| | 30 – 35 years old | 123 | 30.5 |
| | 36 – 40 years old | 85 | 21.3 |
| | 41 – 45 years old | 17 | 4.2 |
| | More than 45 years old | 10 | 2.4 |
| Experience | Less than 5 years | 102 | 25.4 |
| | 5 – 10 years | 177 | 43.9 |
| | 11 – 15 years | 80 | 19.9 |
| | 16 – 20 years | 34 | 8.4 |
| | More than 20 years | 10 | 2.4 |
| Marital Status | Single | 112 | 27.8 |
| | Married | 287 | 71.2 |
| | Divorce | 4 | 0.4 |
| Income | RM2,001 – RM3,000 | 101 | 25.1 |
| | RM3,001 – RM4,000 | 202 | 50.1 |
| | RM4,001 – RM5,000 | 80 | 19.9 |
| | Above RM5,001 | 20 | 5.0 |
ANOVA were used in this study. Meanwhile, Tolerance and VIF were normal, indicating no multicollinearity.

**Results**

The descriptive analysis was computed to determine the sociodemographic characteristics of the participants. It was based on frequency and percentage and the finding of demographic data for the entire sample (n = 403) and is presented in Table 1. The majority of participants were female (94.8%), aged less than 30 years old (41.6%), having 5-10 years (43.9%) of clinical experience, married (71.2%) with income range between RM3,001 – RM4,000 (50.1%).

**Job Satisfaction among Nurses**

There were 24 items identified as contributing to job satisfaction among nurses in tertiary hospitals in the Klang Valley (Table 2). Approximately 70% to 77% of the respondents agreed they were satisfied with their job. Meanwhile, 60% to 69.5% believed that they had job satisfaction. Unfortunately, most respondents did not agree with the item that “the hospital offers me a good benefits package” because it shows only 35.7% of them agreed with the item.

<table>
<thead>
<tr>
<th>Item</th>
<th>Disagree</th>
<th>(%)</th>
<th>Moderate</th>
<th>(%)</th>
<th>Agree</th>
<th>(%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall, I am very satisfied with my work.</td>
<td>25</td>
<td>6.2</td>
<td>120</td>
<td>29.8</td>
<td>258</td>
<td>64.0</td>
</tr>
<tr>
<td>I feel valued at this hospital.</td>
<td>24</td>
<td>6.0</td>
<td>157</td>
<td>39.0</td>
<td>222</td>
<td>55.0</td>
</tr>
<tr>
<td>I am proud to work for this hospital.</td>
<td>15</td>
<td>3.7</td>
<td>95</td>
<td>23.6</td>
<td>293</td>
<td>72.7</td>
</tr>
<tr>
<td>I have the autonomy to make the decisions I need to accomplish my tasks.</td>
<td>28</td>
<td>7.0</td>
<td>154</td>
<td>38.2</td>
<td>221</td>
<td>54.8</td>
</tr>
<tr>
<td>My physical working conditions are good.</td>
<td>26</td>
<td>6.5</td>
<td>129</td>
<td>32.0</td>
<td>248</td>
<td>61.5</td>
</tr>
<tr>
<td>My good work is recognised appropriately.</td>
<td>23</td>
<td>5.7</td>
<td>126</td>
<td>31.3</td>
<td>254</td>
<td>63.0</td>
</tr>
<tr>
<td>I believe my job is secure.</td>
<td>36</td>
<td>8.9</td>
<td>113</td>
<td>28</td>
<td>254</td>
<td>63.0</td>
</tr>
<tr>
<td>I feel part of the team I work with.</td>
<td>14</td>
<td>3.5</td>
<td>86</td>
<td>21.3</td>
<td>303</td>
<td>75.2</td>
</tr>
<tr>
<td>I like the type of work I do.</td>
<td>8</td>
<td>2.0</td>
<td>93</td>
<td>23.1</td>
<td>302</td>
<td>74.9</td>
</tr>
</tbody>
</table>

Demographic Differences in Relation to Job Satisfaction

The results were based on univariate analysis, with follow-up univariate comparisons. The mean for each variable and sociodemographic sub-group were subjected to univariate analysis of variance (ANOVA). Independent samples t-test was used as well. The sociodemographic interests were gender, age, working experience, marital status, and monthly income.

In this study, an independent sample t-test investigation was performed to determine any relationship between job satisfaction among females and males (Table 3). The results showed no significant difference in levels of job satisfaction in males and females (p = 0.093). Meanwhile, a significant difference in job satisfaction was found between single and married participants (p = 0.002). Thus, marital status does influence job satisfaction.

The differences in levels of job satisfaction with the age, marital status, and income levels group are shown in Table 4. The univariate ANOVA found a significant difference in job satisfaction in the age group. Based on the mean score, at the age of “more than 45 years old”, they tend to be more satisfied with their job than
I like the people I work with. 13 3.2 101 25.1 289 71.7
I feel I can trust what the management staff tells me. 30 7.5 149 37.0 224 55.5
I am provided with adequate training to accomplish my task. 9 2.2 118 29.3 276 68.5
I am fairly compensated for my work. 20 5.0 124 30.8 259 64.3
My performance is affected by my job satisfaction. 16 3.9 95 23.6 292 72.5
The hospital offers me a good benefits package. 81 20.1 178 44.2 144 35.7
I am provided with adequate equipment to accomplish my task. 53 13.1 165 40.9 185 45.9
I feel that my supervisor gives me adequate support. 31 7.7 140 34.7 232 57.6
My manager/supervisor treats me with respect. 20 4.9 128 31.8 255 63.3
I am given timely feedback on my performance. 21 5.2 133 33.0 249 61.8
I would recommend employment at this hospital to my friend. 41 10.2 148 36.7 214 53.1
Quality is a top priority at this hospital. 16 3.9 107 26.6 280 69.5
The quality of care at this hospital is outstanding. 26 6.5 129 32.0 248 61.6
I believe the quality of care we provide is affected by employee job satisfaction. 11 2.7 95 23.6 297 73.7
Patient safety is a top priority at this hospital. 6 1.4 84 20.8 313 77.7

Table 3: Summary of t-test results of gender and marital status with job satisfaction

<table>
<thead>
<tr>
<th>Variables</th>
<th>N</th>
<th>Mean</th>
<th>Std. Deviation</th>
<th>t-statistics</th>
<th>p-value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gender</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Female</td>
<td>382</td>
<td>3.68</td>
<td>0.50</td>
<td>1.685</td>
<td>0.093</td>
</tr>
<tr>
<td>Male</td>
<td>21</td>
<td>3.48</td>
<td>0.59</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marital status</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Single</td>
<td>112</td>
<td>3.54</td>
<td>0.49</td>
<td>-3.187</td>
<td>.002*</td>
</tr>
<tr>
<td>Married</td>
<td>287</td>
<td>3.71</td>
<td>0.50</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* significant at p-value < 0.05
young ones ($p = 0.01$). A significant difference in job satisfaction also was found in the working experience. In other words, nurses with more work experience are more satisfied with their job than new ones ($p = 0.03$). We also found a significant difference in levels of job satisfaction with income levels ($p = 0.01$). Those with higher incomes reported higher job satisfaction levels than participants with lower income levels.

**Sociodemographic Predictor of Job Satisfaction among Nurses Working in Tertiary Hospitals**

Multiple linear regression analysis was computed to determine the predictor of job satisfaction. Multiple linear regression attempts to model the link between explanatory and response variables (Cohen *et al.*, 2014). Multiple linear regression was appropriate because the study analysed the association between numerous predictor variables and a dependent variable (Chen *et al.*, 2014). This study also seeks to determine the factors that contribute to job satisfaction. Several variables have been identified as independent variables: Age, gender, marital status, working experience, and income. Thus, multiple linear regression analysis was carried out to achieve this objective. It is important to check the assumptions of normality for the dependent variable before carrying out multiple linear regressions. Normality assumes a normal distribution of variables (Kim, 2013). Thus, for this study, the distribution of job satisfaction was examined. The P-P plot of residuals and normality test were used to check this assumption.

Figure 1 shows the P-P plot of job satisfaction among nurses. The standard residual between (-3.725 to 2.934) in the range ± 3.3 indicates that the data are consistent with the outlier and suitable for multiple linear regression. Graphically, the plot suggests that the data are normally distributed since the points lie straight. Therefore, the data can be considered normally distributed. Five predictor factors were included in the regression model at $p < 0.05$. Finally, only one predictor was found: The work experience (year) variable, which was a factor for job satisfaction ($p < 0.05$). The model was able to

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**Table 4: Summary of ANOVA results of age, working experience and income with job satisfaction**

<table>
<thead>
<tr>
<th>Variables</th>
<th>n</th>
<th>Mean</th>
<th>SD</th>
<th>F-value</th>
<th>p-value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age group</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Less than 30 years old</td>
<td>168</td>
<td>3.58</td>
<td>0.57</td>
<td>5.294</td>
<td>0.01*</td>
</tr>
<tr>
<td>30 - 35 years old</td>
<td>123</td>
<td>3.64</td>
<td>0.44</td>
<td></td>
<td></td>
</tr>
<tr>
<td>36 - 40 years old</td>
<td>85</td>
<td>3.80</td>
<td>0.46</td>
<td></td>
<td></td>
</tr>
<tr>
<td>41 – 45 years old</td>
<td>17</td>
<td>3.78</td>
<td>0.37</td>
<td></td>
<td></td>
</tr>
<tr>
<td>More than 45 years old</td>
<td>10</td>
<td>4.13</td>
<td>0.31</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Working experience</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Less than 5 years</td>
<td>102</td>
<td>3.57</td>
<td>0.55</td>
<td>4.552</td>
<td>0.03*</td>
</tr>
<tr>
<td>5 – 10 years</td>
<td>177</td>
<td>3.63</td>
<td>0.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 – 15 years</td>
<td>80</td>
<td>3.80</td>
<td>0.44</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15 – 20 years</td>
<td>34</td>
<td>3.78</td>
<td>0.51</td>
<td></td>
<td></td>
</tr>
<tr>
<td>More than 20 years</td>
<td>10</td>
<td>4.05</td>
<td>0.29</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Income</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RM2,001 - RM3,000</td>
<td>101</td>
<td>3.55</td>
<td>0.55</td>
<td>6.274</td>
<td>0.01*</td>
</tr>
<tr>
<td>RM3,001 - RM4,000</td>
<td>202</td>
<td>3.64</td>
<td>0.49</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RM4,001 - RM5,000</td>
<td>80</td>
<td>3.81</td>
<td>0.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>More than RM5,001</td>
<td>20</td>
<td>3.96</td>
<td>0.25</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* significant at $p$-value < 0.05
predict the factor of job satisfaction significantly. The predictor variable from ANOVA and $t$-test was entered into multiple linear regression, and only work experience was found to be the final predictor of job satisfaction. Overall model was significant [$F(1,397) = 22.125, p < 0.05$]. Explained variance model was $R^2$ which is 0.053 (experience model) and indicated that this variable could explain 5% of the variation in job satisfaction.

Discussion

Most respondents are nurses from Hospital Kuala Lumpur, and almost 75% are under 35 years old. In this study, the scale score means of females was higher than that of males. Moreover, most of them are married and have a working experience of 5 to 10 years. Then, looking at their income, most earn around RM3,001 to RM4,000. The result shows that the average mean score is 3.66 (SD = 0.760). The level of respondents’ job satisfaction is average or medium. A previous study done at the Emergency Department in Iran showed that the mean score for job satisfaction was moderate (Javanmardnejad et al., 2021). It was consistent with the findings of other previous studies (Al Maqbali & Mohammed, 2015).

The findings demonstrated a substantial difference in job satisfaction between married and single nurses using a $t$-test for two independent samples. Married nurses had higher job satisfaction than unmarried nurses. This was especially important concerning intrinsic, extrinsic, and general satisfaction. As a result of these findings, we concluded that marital status was an important factor that affected job satisfaction (Tarcan et al., 2017). A few studies showed no significant results between the nurses’ marital status and job satisfaction level. This is supported by other studies that showed marital status does not affect job satisfaction levels (Park et al., 2015; Pinar et al., 2017; Zhou et al., 2018; Palazoğlu & Koç, 2019).

According to this finding, ageing is expected to increase the satisfaction felt by nurses in their profession. However, some young nurses do not have high levels of job satisfaction as their expectations are not those of the nursing profession. One-way ANOVA found a significant difference between age category and job satisfaction. At more than 45 years old, they tend to be more satisfied with their job than young ages. This might be explained by the fact that when the nurses grew old and gained more years of experience, they advanced in their careers and had higher job status than those young nurses (Morsy & Sabra, 2015).
However, it contradicts Tengah and Otieno (2019) in their study findings that younger nurses were reported to be highly satisfied compared to the older ones. Similarly, Ruzafa et al. (2008) reported no relationship between nurse age and job satisfaction. There is also a link between work experience and job satisfaction. Nurses with more work experience are more satisfied with their job than new nurses. In agreement with these study findings, McNeese Smith et al. (2000) highlighted that mature nurses have greater job satisfaction, productivity and organisational commitment. Regarding work experience, nurses with more experience are more satisfied and have less burnout. Meanwhile, Price and Mueller (2011) found that less experienced nurses tend to be younger. In contrast, scholars who argued for a negative relationship suggested that greater working experience can increase boredom and lower job satisfaction (Clark et al., 1996). Other studies showed that younger nurses felt satisfied with their job because they were enthusiastic and eager to explore and learn (Cherian et al., 2018).

Then, the One-way ANOVA found a significant association between current incomes towards job satisfaction. Thus, nurses with higher incomes are more satisfied with their job than those with lower incomes whilst those with lower incomes tend to leave their jobs. Personal monthly income acquires a directly proportional relationship with job satisfaction. The higher the personal monthly net income of employees, the higher the satisfaction (Andrioti et al., 2017), consistent with previous studies by Asegid et al. (2014). According to Morsy and Sabra (2015), nurses’ ages range from 25-30 years, single and their experiences in nursing and department are less than 5 years. The majority of them were dissatisfied with their income. Satisfaction with income played a significant role in job satisfaction (Lu et al., 2016).

However, some scholars argue that the quality of the hospital creates high-pressure working environments, increases job demands, and negatively affects employees’ well-being (Landsbergis et al., 1999; Parker, 2003; Vidal, 2007). Thus, the impact on nurses’ job satisfaction remains a research question, and the empirical evidence is mixed and debatable. Recognition must also be given to nurses and other healthcare workers to boost resilience, stave off burnout, and acknowledge and value nurses’ contributions to care (Kelly & Leflon, 2017). Organisations should focus on how to improve nurse retention. They often overlooked something as simple as recognition for high-performing nurses. It was seen as a factor influencing turnover that would be traded against other considerations such as job satisfaction or feeling valued. It is vital that the supervisor takes a leadership role, exhibits role model behaviour, shows a strong commitment to quality care, creates a supportive environment, and manages change strategically. The delivery of quality services depends on being motivated, qualified, satisfied, and committed. Nurses prefer leaders who are more considerate and supportive (Rad & Yarmohammadian, 2006). It is also important to gain more knowledge about nurses’ job satisfaction.

According to the evidence, job satisfaction can be improved through enhanced remuneration, good management, a supportive work environment, and revitalising the organisational structure. The ability to make hospital employees happier is a crucial retention strategy in the industry. Furthermore, according to the findings of this study, job satisfaction is influenced by both motivational and hygiene factors, and nurses must be satisfied with both types of factors to be satisfied with their jobs overall. The nurse administration can benefit from proper planning in terms of policy, career path, and extended and expanded roles. In addition, continuous service evaluation and monitoring of work satisfaction help identify any aspects of the services that need improvement. Increasing nurses’ involvement, collaborating, and taking a team approach are critical to enabling the process, providing direction, and implementing various initiatives to increase nurses’ job satisfaction. Improving motivation and hygiene factors will provide
healthcare professionals with more significant work or job satisfaction, positively impacting the individual, the organisation, and the overall quality of healthcare services.

Conclusion

With the assistance of Herzberg’s Theory, the researchers investigated the level of job satisfaction among nurses in a tertiary hospital. The study’s findings revealed that nurses in this study reported medium or average levels of job satisfaction and motivation factor, with higher levels of job satisfaction associated with higher levels of professional development. According to the findings of this study, patient safety is the highest priority. Herzberg’s Theory proved helpful in exploring job satisfaction in this setting with new factors. The quality of the hospital, recognition, and supervisors are the most critical factors in determining job satisfaction. The findings of this study will help nurses, medical doctors and hospital administrators become more concerned about nurses, particularly those who work in tertiary hospitals throughout the Klang Valley. This will ensure that nurses are happy in their jobs. They must also develop comprehensive guidelines for working practices, more effective clinical systems, and a more holistic learning culture. Hence, the management team has to do the level best in their power to meet these requirements. The findings may also aid in developing policies and guidelines that could increase nurse job satisfaction.

Consequently, there is a higher level of patient satisfaction in providing nursing services. When this is accomplished, it will unavoidably result in an elevated nursing career that is more professional and an increase in the overall quality of the organisation. The sampling technique used in this study was responsible for some of the study’s limitations. The small number of male participants may have impacted the findings because males may have different needs than females, which could have influenced the results. The scope of this study was limited to two tertiary hospitals; future research could expand to other states to understand job satisfaction better. Although this study has shortcomings, the findings provide valuable insight into the phenomenon under investigation.

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