

UNIVERSITI PUTRA MALAYSIA

THE RELATIONSHIP BETWEEN FACTORS ON INFORMAL LEARNING AND TRANSFER OF LEARNING OF MANAGERIAL KNOWLEDGE AND SKILLS AMONG HEAD NURSES IN TWO GOVERNMENT HOSPITALS IN KELANTAN

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By

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ABSTRACT

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Today more and more organizations are seeking ways to establish continuous learning environment which requires organization to extend beyond formal training program to cultivate ongoing interaction among employees and to promote learning methods that are drawn upon employees previous experience. A central ingredient of continuous learning environment is informal learning. Hospitals are among the organizations that are committed to employees' continuous learning. Nurses are encouraged to continue to learn from their mistake and increase the quality of their care and services.

The purpose of this study was to examine the role of informal learning in developing managerial knowledge and skills and transfer of learning among head nurses. Specifically, this study was undertaken to examine: (1) the learning activities mostly used by the head nurses to learn managerial skills; (2) the specific informal learning activities used by the head nurses to learn managerial skills; (3) the relationship between informal learning, motivation to learn and work environment and learning (i.e. level of knowledge and skills); (4) the relationship between informal learning, motivation to learn and work environment and transfer of learning; (5) the mediating role of learning (i.e. level of knowledge and skills) in the relationship between informal learning, motivation to learn, and work environment and transfer of learning; (6) the influence of informal learning, motivation to learn and work environment on learning (i.e. level of knowledge and skills) and (7) influence of informal learning, motivation to learn and work environment on transfer of learning.

The theoretical framework which guides this study was Watkins and Marsick's (1990) theory of informal and incidental learning, Vroom's (1964) expectancy theory and Baldwin and Ford's (1988) transfer model. A total of 82 head nurses from two hospitals in the state of Kelantan participated in the study. Data were collected by the survey method. Data were analyzed using both descriptive and inferential statistics.

Firstly, results of the descriptive statistics analysis revealed that head nurses gained managerial knowledge and learned managerial skills mostly from informal learning activities. Secondly, the specific informal learning activity used by head nurses to learn managerial skills were mostly learning from trial and error, learning from past experience, learning through mentoring, learning through observation, learning form interaction with others and learning through role-modeling. Thirdly, the results of the study showed a low and significant correlation between informal learning, motivation to learn, and work environment with level of learning and transfer of learning. Fourthly, level of learning was a good mediating variable for the relationship between informal learning, motivation to learn, work environment and transfer of learning. Finally, results of multiple regression analysis revealed that motivation to learn explains 15.5% variance in learning and 16.7 variance in transfer of learning whereas informal learning explain 12.2% of variance in level of learning and 13.4% of variance in transfer of learning. Theoretical and practical implications and contributions were discussed in Chapter 5.



ABSTRAK

HUBUNGAN DI ANTARA FAKTOR-FAKTOR PEMBELAJARAN INFORMAL DAN PEMINDAHAN PEMBELAJARAN PENGETAHUAN DAN KEMAHIRAN PENGURUSAN DI KALANGAN KETUA JURURAWAT DI DUA BUAH HOSPITAL DI KELANTAN

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Hari ini lebih banyak organisasi sedang mencari kaedah untuk mewujudkan persekitaran pembelajaran berterusan yang mengkehendaki organisasi untuk melampaui program latihan formal untuk menyemai interaksi yang berterusan di kalangan pekerja dan untuk mempromosi kaedah pembelejarn yang menggunakn pengalaman lepas pekerja. Intipati kepada persekitaran pembelajaran berterusan ialah pembelajaran informal. Hospital merupakan di antara organisasi yang komited kepada pembelajaran berterusan di kalangan pekerja. Jururawat di galakkan untuk sentisas belajar dari kesilapan dan memperbaiki kualiti rawatan dan perkhidmatan mereka.

Kajian in bertujuan untuk mengkaji mengkaji peranan pembelajaran informal dalam membangunkan pengetahuan dan kemahiran pengurusan dan pemindahan pembelajaran di kalangan ketua jururawat. Secara khususnya kajian ini dijalankan bertujuan untuk mengkaji: (1) aktiviti pembelajaran yang paling kerap digunakan oleh ketua jururawat dalam mempelajari kemahiran pengurusan; (2) aktiviti pembelajaran informal yang khusus yang dipaling kerap digunakan oleh ketua jururawat semasa mempelajari kemahiran mengurus; (3) hubungan di antara pembelajaran informal, motivasi untuk belajar, dan persekitaran kerja dengan pembelajaran (tahap pengetahuan dan kemahiran); (4) hubungan di antara pembelajaran informal, motivasi untuk belajar, dan persekitaran kerja dengan pemindahan pembelajaran; (5) peranan pembelajaran (iaitu tahap pengetahuan dan kemahiran) sebagai pembolehubah pencelah bagi hubungan di antara pembelajaran informal, motivasi untuk belajar dan persekitaran kerja dengan pemindahan pembelajaran; (6) pengaruh pembelajaran informal, motivasi untuk belajar dan persekitaran kerja ke atas pembelajaran (iaitu tahap pengetahuan dan kemahiran) dan (7) pengaruh pembelajaran informal, motivasi untuk belajar dan persekitaran kerja ke atas pemindahan pembelajaran.

Kerangka teori yang menjadi asas kepada kajian ini adalah teori pembelajaran informal dan tidak sengaja oleh Watkins dan Marsick (1990), Teori jangkaan Vroom (1964) dan model pemindahan Baldwin dan Ford (1988). Sejumlah 82 ketua jururawat dari dua buah hospital di Kelantan terlibat dkalm kajian ini. Data di pungut menerusi kaedah tinjauan. Data di analisis menggunakan kedua-dua statistik deskriptif dan inferensial.

Pertama, hasil analisis statistik deskriptif menunjukkan bahawa ketua jururawat memperoleh pengetahuan dan mempelajari kemahiran mengurus kebanyakkannya melalui pembelajaran informal. Kedua, aktiviti pembelajaran informal khusus yang sangat kerap digunakan oleh ketua jururawat untuk memperoleh pengetahuan dan mempelajari kemahiran pengurusan ialah belajar melalui "percubaan dan kesilapan", belajar dari pengalaman lepas, belajar melalui mentor, belajar dari pemerhatian, belajar hasil intreaksi dengan orang lain dan belajar melalui model peranan. Ketiga, hasil kajian ini menunjukkan korelasi yang rendah dan signifikan di antara pembelajaran informal, motivasi untuk belajar dan persekitran kerja dengan tahap pembelajaran dan pemindahan pembelajaran. Keempat, tahap pembelajaran merupakan pembolehubah pencelah yang baik bagi hubungan di antara pembelajaran informal, motivasi untuk belajar dan persekitaran kerja dan pemindahan pembelajaran. Kelima, hasil analisis regresi pelbagai menunjukkan motivasi untuk belajar menjelaskan 15.5% varians dalam tahap pembelajaran dan 16.7% varians dalam pemindahan pembelajaran. Manakala pembelajaran informal menjelaskan 12.2% varians dalam tahap pembelajaran dan 13.4% varians dalam pemindahan pembelajaran. Implikasi teoretikal dan praktikal serta sumbangan kajian dibincangkan di dalam Bab 5.



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CHAPTER I

INTRODUCTION

In today's high performance organizations, employees must be prepared for continuous on-the-job growth and development. Given the increased age, variety of experience and diverse life style and culture of working population it is understandable that the adult education practices must be beyond the traditional model of teacher as purveyors of knowledge and learners as passive recipient (Lankard,1993). In fact the banking approach to education need to be replaced with a liberating approach that Freire (1970) calls conscientization. Methods and technique that draw upon workers previous experience, link concepts and practices and encourage reflection and transfer of knowledge from one situation to another are vital to the learning process.

Today's high performance organizations foster learning for continuous improvement, a practice congruent with total quality management. Those organizations that can learn faster than their competitors and deploy the knowledge asset that is their people more effectively will achieve competitive advantage (Nonaka & Takeuchi 1995, Pamberton & Stonehouse 2000)



According to Wenger and Snyder (2000), today's economy runs on knowledge. For this reason, more and more organizations are seeking ways to establish continuous learning environments (Meister, 2000). Sculpting a continuous learning environment requires organizations to extend beyond formal training program to cultivate ongoing interactions among employees in area of decision making, thinking and information sharing. A culture that supports this dynamic is necessary for continuous learning organizations to exist (Watkins & Marsick, 1992).

A central ingredient of a continuous learning environment is informal learning (Enos, 2001). Informal learning is spontaneous, immediate-task and specific (Day, 1998). It is not classroom-based and also not determined or designed by the organization. Despite increasing allocations of time and money for formal training over the past decade, researchers discovered that up to 70 percent of learning actually took place informally. Eventually, harnessing it could save billions of dollars for the government and industry (Day, 1998).

Examples of informal learning practices are talking to a maintenance personnel at work about operation of the machine or mentor shows a new employee how to use a machine through an actual demonstration rather than through classroom presentation. Organizational theorists believe that organizations that are able to foster continuous learning environments that nurture informal learning will enhance their overall effectiveness (Crossan, Lane & White, 1999).

Hospitals are among organizations that are committed to employees continuous learning. Nurses need to display competence to achieve their organizations goals. One way to meet this demand is for every nurse to engage in continuous learning. The profession of nursing has a long history of recognizing the need for continuous learning. It was Florence Nightingale (1859) who first wrote that "we should be learning all our lives".

continuous Nurses must continue their advance in quality improvement. They must continue to learn from their mistake and increase the quality of their care and services (Dolan, 2002). Nurses should acknowledge the value of informal or on-the-job learning within their profession. Nurses who do not continue to improve their skills and knowledge will quickly become obsolete. In fact, the rapid changes in health care, the diminished lifespan of useful information and subsequently the increasing complexity of professional nursing practice makes it essential that nurses continue to learn throughout their professional careers in order to improve knowledge, skill and attitude for the enhancement of nursing practice, thus improving healthcare to the public.



Nurses like many other professionally-trained person often fill position requiring considerable managerial understanding and skills. Nurses in too many situations are at desk with management responsibilities rather than giving care to patients (Schmidt,1996). This is particularly true to nurses who are promoted to head nurses. The head nurses more often deal with managerial responsibilities such as planning and organizing, developing people, monitoring, leading and communicating.

In Malaysia, as of June 2004, there are 39,232 trained nurses of whom 29,354 or almost 75 percent are employed by the Ministry of Health (Chua Soi Lek, 2004). The trained nurse can be promoted as head nurse after 5 years of service. According to the Minister of Health, Chua Jui Meng (2001), since 2001, there are 1,538 post allocated for head nurses in the Ministry of Health. Whenever a staff nurse is promoted as a head nurse "…. I was told that she is also required to do managerial functions besides the clinical task " (Chua Jui Meng, 2001, pg 1).

The new position which is held by the head nurses usually require them to acquire knowledge pertaining to managerial knowledge and skills which she might has had no formal training (Schmidt, 1996). Literature also suggest that clinical nurse lack adequate preparation, relevant skill and ability to function effectively in a management role (Murray, 1994). While there is



little doubt that formal education program prepares nurses in learning some aspect of management, there is general consensus that head nurses also learn through repeated practice episode in their actual daily practice of management in the hospital (Troyan, 1996).

In this fast changing world, Malaysian nurses are encouraged to continuously learn and update their knowledge and skills as well as equip themselves with the ability to practice with greater responsibility and autonomy. In other words, learning must not end on their graduation day, but must continue throughout their career. Nurses are also reminded to improve their professionalism by learning continuously either by extensive reading or by regular attendance of seminar or conference. Reading is one of the attributes found in informal learning setting and lifelong learning process. Reading can also be done outside the classroom. Thus, informal learning and lifelong learning have become an essential ingredient to prosper in a profession.

Very little is known, however, about this tacit learning process in terms of learning strategies employed such as trial-and-error, coaching and mentoring and the resources utilized namely supervisors, peers and computers. The problem of practice which this study set to examine is that not much is known about how head nurses learn while assuming the new position in the workplace. There are strong indications that a great deal of learning takes place in the workplace, yet little appears to be known about how people learn informally particularly in a professional environment (Lohman & Woolf, 1998). In fact several studies suggest that 70 percent or more of learning occurs outside the formal classroom and this learning takes many form. If so much learning takes place outside the formal classroom, therefore the study in this area is critical (Howe,1992).

The fast change in the healthcare organizations has given an impact to head nurses both as individual and in their role as an efficient professional nurses. As a consequence, it is essential that head nurses acquire knowledge from their everyday experiences such as learning from trial and error, learning from peers, mentors, supervisor as well as gaining knowledge and skills that are readily transferable to other environment.

Examining variables related to how head nurses learn informally and factors that enhance informal learning such as motivation to learn on the job and work environment and the extent to which these factors influence the acquisition of the knowledge and skills and learning transfer is valuable because it might change the way human resource practitioners view learning in the workplace. Instead of the focus being on the acquisition of knowledge and skills through formal training , due attention should also be given to

