

**THE RELATIONSHIP BETWEEN INDIVIDUAL, ORGANIZATIONAL
AND INTERPERSONAL FACTORS AND TACIT KNOWLEDGE
SHARING WITH ICT USAGE AS THE MEDIATOR**

By

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ABSTRAK

Terdapat dua fokus utama kajian ini. Pertama, kajian ini mengkaji hubungan langsung antara faktor individu (sikap individu, komitmen organisasi, dan efikasi sendiri berkaitan ilmu), organisasi (suasana organisasi, sokongan pengurusan, sistem ganjaran, dan struktur organisasi), dan antara perorangan (kepercayaan antara perorangan dan jaringan sosial), dan perkongsian ilmu tasit. Kedua, ia mengkaji kesan perantara penggunaan teknologi informasi dan komunikasi (ICT) ke atas hubungan antara faktor-faktor individu, organisasi dan antara perorangan, dan perkongsian ilmu tasit. Sebanyak 400 borang soal selidik telah diedarkan kepada staf teknikal dalam sektor ICT di Jordan. Daripada 400 borang soal selidik yang diedarkan, sebanyak 375 soal selidik telah diterima semula. Walau bagaimanapun, hanya 365 soal selidik boleh digunakan untuk analisis selanjutnya, mewakili kadar maklum balas sebanyak 92.75%. Hipotesis berkaitan kesan langsung diuji dengan menggunakan analisis regresi berganda, manakala kesan perantara diuji dengan menggunakan analisis Preacher dan Hayes. Dapatan kajian menunjukkan bahawa sikap individu, efikasi sendiri berkaitan ilmu, suasana organisasi, struktur organisasi, sokongan pengurusan dan kepercayaan antara perorangan adalah berhubung secara signifikan dengan perkongsian ilmu tasit. Sementara itu, analisis perantara menunjukkan bahawa penggunaan ICT memainkan peranan sebagai perantara separa dalam perhubungan antara efikasi sendiri berkaitan ilmu, suasana organisasi, struktur organisasi, dan kepercayaan antara perorangan, dan perkongsian ilmu tasit. Terdapat beberapa implikasi dari kajian ini. Dari segi ilmu, ia memberikan kefahaman tentang faktor-faktor yang mempengaruhi perkongsian ilmu tasit. Dari segi amalan, ia mencadangkan bahawa pengurus harus fokus kepada menyediakan sokongan pengurusan, suasana organisasi dan struktur organisasi untuk perkongsian ilmu tasit. Di samping itu, amalan yang dapat meningkatkan komitmen organisasi, efikasi sendiri berkaitan ilmu, dan kepercayaan antara perorangan perlu dilaksanakan. Penggunaan ICT juga perlu dikuatkuasa bagi memudahkan perkongsian ilmu tasit. Selain itu, ia juga memberi cadangan untuk kajian akan datang untuk memperkembangkan lagi kajian dari segi pembolehubah kajian dan juga sampel kajian bagi mendapatkan kefahaman yang lebih baik tentang peranan sikap individu, kepercayaan antara perorangan dan organisasi berkenaan perkongsian ilmu tasit.

Kata kunci: Perkongsian Ilmu Tasit, Faktor Individu, Faktor Organisasi, Faktor Antara Perorangan, Penggunaan ICT

ABSTRACT

The main focus of this study is twofold. Firstly, the thesis attempts to examine the direct relationship between individual (individual attitude, organizational commitment, and knowledge self-efficacy), organizational (organizational climate, management support, reward system and organizational structure), and interpersonal (interpersonal trust and social network) factors, and tacit knowledge sharing. Secondly, it is to examine the mediating effect of information and communication technology (ICT) usage on the relationship between individual, organizational and interpersonal factors, and tacit knowledge sharing. A total of 400 questionnaires were distributed to the technical staff of ICT sector in Jordan. Out of 400, only 375 questionnaires were returned. However, only 365 were usable for further analysis, representing a response rate of 92.75%. Hypotheses for direct relationships were tested using multiple regression, while the mediating effect were tested using the Preacher and Hayes analyses. Results indicated that individual attitude, knowledge self-efficacy, organizational climate, organizational structure, management support and interpersonal trust were significantly related to tacit knowledge sharing. However, the mediating analysis showed that ICT usage only partially mediated the relationship between knowledge self-efficacy, organizational climate, organizational structure and interpersonal trust, and tacit knowledge sharing. The current research have several implications. Knowledge wise, it provides understanding on the factors that affects tacit knowledge sharing. Practise wise, it suggests to managers that they should focus on providing the right management support, organizational structure and climate for sharing tacit knowledge. In addition, any practices that could promote organizational commitment, knowledge self-efficacy and interpersonal trust should also be implemented. The use of ICT should also be enforced so as to facilitate tacit knowledge sharing. Besides that, suggestions were also made for further research to be conducted the exploration of the variables tested in this study on other settings, and with different sample frames, in order to achieve a more robust finding towards a better understanding of the role of individual, interpersonal and organizational factors on tacit knowledge sharing.

Keywords: Tacit Knowledge Sharing, Individual Factors, Organizational Factors. Interpersonal Factors, ICT Usage

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CHAPTER ONE

INTRODUCTION

1.1 Introduction

There is no doubt that the world is facing many changes in the information and communication technology domain, known as “information revolution”. These changes have been competitively based on the effective exploitation of information and knowledge. Therefore, organizations need to change their internal structure and organizations need to recognize the importance of knowledge as a crucial factor for the success of an organization (Rezaie, Byat & Shirkouhi, 2009). Specifically, organizations need to understand that knowledge is power and it is also an important strategic resource of all organizations (Sung-Ho, Kim, & Kim, 2004; Alhawary & Al-Zegaier, 2009). Hence, knowledge should be the core competence of any organizations (Prahalad & Hamel, 1990).

Today, most economy depends mainly on knowledge, and for that reason today’s economy is known as the knowledge economy or “k-economy” (Sunassee & Sewry 2003; Halawi, Aronson & McCarthy, 2005). Knowledge economy is shared worldwide (Civi, 2000). It is characterized by rapid development, does not depend on traditional capital assets, and it is dynamic. (Hijazi, 2005). As such, it is imperative for organizations to focus on investment in knowledge resources or intellectual capital (e.g. experience, skills, capabilities, patents) (Wei, Choy & Yew, 2009). This is because the importance of knowledge as an intangible asset for an organization is

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