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 kendiri 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 kendiri 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 kendiri 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 kendiri 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 memperkemahagkan 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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# TABLE OF CONTENTS

PERMISSION TO USE........................................................................................................... i

ABSTRAK ............................................................................................................................ ii

ABSTRACT ........................................................................................................................... iii

ACKNOWLEDGEMENTS ....................................................................................................... iv

TABLE OF CONTENTS ......................................................................................................... v

LIST OF TABLES ................................................................................................................... xi

LIST OF FIGURES ................................................................................................................ xiii

CHAPTER ONE INTRODUCTION ......................................................................................... 1

1.1 Introduction .................................................................................................................. 1

1.2 Background of the Study ............................................................................................. 3
  1.2.1 The Knowledge Management Initiative ................................................................. 5
  1.2.2 The Issue of Brain Drain ........................................................................................ 7

1.3 Problem Statement ....................................................................................................... 9

1.4 Research Questions ..................................................................................................... 17

1.5 Research Objectives .................................................................................................... 17

1.6 Significance and Contribution of the Study ............................................................... 18
  1.6.1 Theoretical Contribution ......................................................................................... 18
  1.6.2 Practical Contribution ............................................................................................ 18

1.7 Definition of Key Terms ............................................................................................. 19

1.8 Organization of Chapters in Thesis ............................................................................ 20

CHAPTER TWO LITERATURE REVIEW ............................................................................. 21

2.1 Introduction .................................................................................................................. 21

2.2 Tacit Knowledge ......................................................................................................... 21
2.2.1 Nature of Tacit Knowledge ................................................. 21
2.2.2 The Importance of Tacit Knowledge ................................. 26
2.2.3 The Role of Tacit Knowledge in Knowledge Management ...... 27
2.3 Knowledge Sharing ........................................................................ 32
  2.3.1 The Need for Knowledge Sharing ........................................ 34
  2.3.2 Explicit vs. Tacit Knowledge Sharing .................................. 36
2.4 Theories Related to Knowledge Sharing .......................................... 38
  2.4.1 Social Capital Theory ....................................................... 38
  2.4.2 Socio-Cognitive Theory ................................................... 42
  2.4.3 Social Representation Theory ............................................... 43
2.5 Knowledge Sharing in Arab Cultures .............................................. 45
2.6 Tacit Knowledge Sharing Success Factors ..................................... 46
  2.6.1 Individual Factors ............................................................. 47
  2.6.2 Organizational Factors ...................................................... 52
  2.6.3 Interpersonal Factors ........................................................ 59
  2.6.4 Technological Factor (ICT Usage) ....................................... 64
2.7 Research Framework ..................................................................... 68
2.8 Hypothesis Development .............................................................. 70
  2.8.1 Individual Factors and Tacit Knowledge Sharing .................. 70
  2.8.2 Organizational Factors and Tacit Knowledge Sharing .......... 72
  2.8.3 Interpersonal Factors and Tacit Knowledge Sharing ............ 75
  2.8.4 ICT Usage and Tacit Knowledge Sharing ............................. 78
2.9 Summary ...................................................................................... 80

CHAPTER THREE METHODOLOGY ........................................... 82
  3.1 Introduction ................................................................................. 82
3.2 Research Design ................................................................. 82

3.3 Sampling Design .............................................................. 84
   3.3.1 Study Population ......................................................... 84
   3.3.2 Sample Size ................................................................. 84
   3.3.3 Sampling Technique ..................................................... 85

3.4 Operational Definition and Measurements .............................. 88
   3.4.1 Measures for Tacit Knowledge Sharing .......................... 88
   3.4.2 Measures for Individual Factor .................................... 89
   3.4.3 Measures for Organizational Factor ............................... 92
   3.4.4 Measures for Interpersonal Factor ................................. 96
   3.4.5 Technological Factor Measures ..................................... 98

3.5 Layout of the Questionnaire .............................................. 99

3.6 Pilot Study ........................................................................ 100

3.7 Data Collection Procedure ................................................ 101

3.8 Technique of Data Analysis ................................................ 101
   3.8.1 Descriptive Statistics ................................................... 102
   3.8.2 Factor Analysis ............................................................ 102
   3.8.3 Correlation Analysis ..................................................... 103
   3.8.4 Regression Analysis ..................................................... 103
   3.8.5 Test of Mediation ........................................................ 104

3.9 Conclusion ....................................................................... 105

CHAPTER FOUR FINDINGS ..................................................... 106

4.1 Introduction ..................................................................... 106

4.2 Response Rate .................................................................. 106

4.3 Demographic Characteristics of the Participants .................... 109
5.4.1 Relationship between Organizational Climate and Tacit Knowledge Sharing ................................................................. 138

5.4.2 Relationship between Management Support and Tacit Knowledge Sharing ................................................................. 139

5.4.3 Relationship between Reward System and Tacit Knowledge Sharing ................................................................. 140

5.4.4 Relationship between Organizational Structure and Tacit Knowledge Sharing ................................................................. 140

5.5 Interpersonal Factors and Tacit Knowledge Sharing ......................... 142

5.5.1 Relationship between Interpersonal Trust and Tacit Knowledge Sharing ................................................................. 142

5.5.2 Relationship between Social Networking and Tacit Knowledge Sharing ................................................................. 143

5.6 ICT Use as a Mediator ................................................................. 144

5.7 Research Implications ................................................................. 148

5.7.1 Theoretical Implication ................................................................. 148

5.7.2 Practical Implications ................................................................. 152

5.8 Limitation and Directions for Future Research ......................... 160

5.9 Conclusions ........................................................................ 161

REFERENCES ........................................................................ 162

APPENDIX B: Questionnaire (Arabic Version) ................................. 206

APPENDIX C: DESCRIPTIVE ANALYSIS ................................................................. 212

APPENDIX D: FACTOR ANALYSIS: INDIVIDUAL FACTORS .... 213

APPENDIX E: FACTOR ANALYSIS: ORGANIZATIONAL FACTORS . 218

APPENDIX F: FACTOR ANALYSIS: INTERPERSONAL FACTORS .... 227
<table>
<thead>
<tr>
<th>Appendix</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>G</td>
<td>FACTOR ANALYSIS: MEDIATING VARIABLE</td>
<td>230</td>
</tr>
<tr>
<td>H</td>
<td>FACTOR ANALYSIS: DEPENDENT VARIABLE</td>
<td>232</td>
</tr>
<tr>
<td>I</td>
<td>RELIABILITY ANALYSIS</td>
<td>234</td>
</tr>
<tr>
<td></td>
<td>Scale: Individual Attitude</td>
<td>234</td>
</tr>
<tr>
<td></td>
<td>Scale: Organizational Commitment</td>
<td>235</td>
</tr>
<tr>
<td></td>
<td>Scale: Knowledge Self Efficacy</td>
<td>236</td>
</tr>
<tr>
<td></td>
<td>Scale: Organizational Climate</td>
<td>237</td>
</tr>
<tr>
<td></td>
<td>Scale: Management Support</td>
<td>237</td>
</tr>
<tr>
<td></td>
<td>Scale: Reward System</td>
<td>238</td>
</tr>
<tr>
<td></td>
<td>Scale: Interpersonal Trust</td>
<td>240</td>
</tr>
<tr>
<td></td>
<td>Scale: Social Network</td>
<td>241</td>
</tr>
<tr>
<td></td>
<td>Scale: ICT Usage</td>
<td>242</td>
</tr>
<tr>
<td></td>
<td>Scale: Tacit Knowledge Sharing</td>
<td>243</td>
</tr>
<tr>
<td>J</td>
<td>CORRELATION ANALYSIS</td>
<td>243</td>
</tr>
<tr>
<td>K</td>
<td>REGRESSION</td>
<td>245</td>
</tr>
<tr>
<td>L</td>
<td>MEDIATING TEST</td>
<td>258</td>
</tr>
<tr>
<td></td>
<td>Knowledge Self Efficacy</td>
<td>258</td>
</tr>
<tr>
<td></td>
<td>Organizational Climate</td>
<td>260</td>
</tr>
<tr>
<td></td>
<td>Organizational Structure</td>
<td>262</td>
</tr>
<tr>
<td></td>
<td>Interpersonal Trust</td>
<td>264</td>
</tr>
</tbody>
</table>
LIST OF TABLES

Table 1-1 Definition of key terms .................................................................................................................. 19
Table 2-1 Definitions and Dimensions of Tacit Knowledge ................................................................. 24
Table 2-2 Definitions of Social Capital (adapted from Adler & Kwon, 2002) ....... 41
Table 3-1 Distribution of respondents for each ICT companies ....................................................... 86
Table 3-2 Tacit knowledge sharing items ...................................................................................................... 88
Table 3-3 Original and adapted versions of individual attitude items .......... 90
Table 3-4 Original and adapted versions of knowledge self-efficacy items ...... 91
Table 3-5 Individual attitude, organizational commitment and knowledge self-efficacy items ........................................................................................................................................ 91
Table 3-6 Original and adapted versions of management support ....................... 93
Table 3-7 Original and adapted versions of rewards system ........................................... 94
Table 3-8 Organizational climate, management support rewards system and organizational structure items ........................................................................................................ 95
Table 3-9 Interpersonal trust and social networking items ........................................... 97
Table 3-10 Original and adapted versions of ICT usage ........................................... 98
Table 3-11 ICT usage items ..................................................................................................................... 98
Table 3-12 The Cronbach’s Alpha for each research measures from the pilot study (n = 30) ..................................................................................................................................... 100
Table 4-1 Respondent’s response rate ................................................................................................. 107
Table 4-2 Demographic characteristics of the participants (n = 365) .............. 110
Table 4-3 KMO and Bartlett's test of tacit knowledge sharing ............................... 116
Table 4-4 Rotated structure matrix of tacit knowledge sharing ....................... 116
Table 4-5 KMO and Bartlett's test of individual factors ........................................... 117
<table>
<thead>
<tr>
<th>Table</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-6</td>
<td>Rotated component matrix of individual factor</td>
<td>118</td>
</tr>
<tr>
<td>4-7</td>
<td>KMO and Bartlett's test of organizational factor</td>
<td>119</td>
</tr>
<tr>
<td>4-8</td>
<td>Rotated structure matrix of organizational factors</td>
<td>120</td>
</tr>
<tr>
<td>4-9</td>
<td>KMO and Bartlett's test of interpersonal factor</td>
<td>121</td>
</tr>
<tr>
<td>4-10</td>
<td>Rotated structure matrix of interpersonal factor</td>
<td>122</td>
</tr>
<tr>
<td>4-11</td>
<td>KMO and Bartlett's test of technological factor</td>
<td>122</td>
</tr>
<tr>
<td>4-12</td>
<td>Rotated component matrix of technological factor</td>
<td>123</td>
</tr>
<tr>
<td>4-13</td>
<td>Descriptive statistics, scale reliabilities, and correlation of variables</td>
<td>126</td>
</tr>
<tr>
<td>4-14</td>
<td>Regression results of independent variables and tacit knowledge sharing</td>
<td>127</td>
</tr>
<tr>
<td>4-15</td>
<td>Regression results of independent variables and ICT usage</td>
<td>129</td>
</tr>
<tr>
<td>4-16</td>
<td>Regression results of ICT usage and tacit knowledge sharing</td>
<td>130</td>
</tr>
<tr>
<td>4-17</td>
<td>Mediation of the effect of ICT usage on tacit knowledge sharing through knowledge self-efficacy, organizational climate, organizational structure and interpersonal trust</td>
<td>131</td>
</tr>
<tr>
<td>4-18</td>
<td>Summary of hypotheses testing</td>
<td>132</td>
</tr>
</tbody>
</table>
LIST OF FIGURES

Figure 1-1  The Award Concept ................................................................. 5
Figure 1-2  Net Migration of Jordanian ...................................................... 8
Figure 2-1  Research Framework .............................................................. 69
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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