ORIGINAL SCIENTIFIC PAPER

THE IMPACT OF ORGANIZATIONAL CULTURE ON KNOWLEDGE SHARING

Sahar Khazaei Poul¹, Foad Khanlarzadeh², Vida Samiei³

ABSTRACT

The purpose of this study is to examine the relationship between knowledge management and organizational culture, adopting the view of knowledge. Understanding how different cultural types are associated with specific knowledge management should shed light on how the relationship between organizational course and knowledge management is manifested in the choices of organization. For this research, the quantitative research design will be used. A survey que loppa, will be employed in achieving the objectives of this research. Results indicate that specessful KM application should go beyond the operational side into social, I man organizational aspects to create individual commitment towards KM implementation. This discussion also emphasizes the importance of the collective kn wledge and knowledge network concepts on the organizational level.

KEY WORDS: Organizational Cult Knowledge Sharing, Quantitive Analysis, Social Interaction

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Corresponding author, Faculty of Creative Multimedia (FCM), Multimedia University, Malaysia, e-mail: sahar.khazaeii@gmail.com. 2 Faculty of Creative Multimedia (FCM), Multimedia University, Malaysia

³ Department of management, University of Putra Malaysia, Malaysia

INTRODUCTION

Knowledge is now being seen as the most important strategic resource in organizations, and the management of this knowledge is considered critical to organizational success. The culture of the workplace controls the way employees behave amongst themselves as well as with people outside the organization. De Long, Fahey (2000) examined the correlation between culture and the creation, sharing, and utilize of knowledge. They concluded that culture, and principally subcultures significantly influence these knowledge-related processes in four ways:

- 1. Culture shapes assumptions concerning which knowledge is significant.
- 2. Culture mediates the associations between individual and organizational knowledge.
- 3. Culture creates a position for social interaction.
- 4. Culture shapes the creation and acceptance of new knowledge.

KM has become a popular topic for research nowadays and the need for investigating factors that may hinder or support KM processes is rapidly here sine Accordingly, huge number of studies concerning KM issues and special ted KM journals has become available and still emerging. In spite of this fact, and supported by the argument that organizational, social, and managerial theories are convally constrained and reflect the culture of the environment where they were developed, his irrational to assume that the available literature in all universities' concerning KM can be suitable to explain the KM environment in private universities.

Considering the complexity of the culture pacept and the dilemma of organizational culture, these four cultural attributes are seen, from this study's point of view, as comprehensive and common culture for the complex and are expected to have an impact on sharing of knowledge among organizational rembers on different levels. To achieve the aim and objectives of this study, the following model (Figure 1) was proposed.

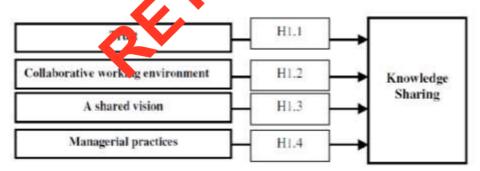


Figure 1: Research Model

The knowledge is expressed in a frequent language and with tools, which are understood by all users (Dalkir, 2005). It includes communication, translation, and conversion, filtering and rendering (Newman, Conrad, 2000). Knowledge management and knowledge sharing are considered major building unit for organizational success (Laycock, 2005) and constitute competitive advantages (Senge et al., 2007; Teng, 2006).

Knowledge management is essentially about getting the right knowledge to the right person at the right time. Knowledge management may also include new knowledge creation, or it may solely focus on knowledge sharing, storage, and refinement. Knowledge

management refers to identifying and leveraging the collective knowledge in an organization to help the organizations to sustain competitive advantage. Knowledge management is by and large involving four basic processes of creating, storing / retrieving, transferring, and applying knowledge. It aims to make knowledge visible and show the role of knowledge in an organization; or to develop a knowledge-intensive culture by encouraging and aggregating behaviors such as knowledge sharing and proactively seeking and offering knowledge; or to build a knowledge infrastructure and encouragement to interact and collaborate (Davenport, Prusak, 1998). By fulfilling these three goals, knowledge management is purported to increase innovativeness and responsiveness within organizations. Whereas, knowledge sharing is a single most important aspect of knowledge management, which is a process through that knowledge is exchanged among people and members of an organization. It is vital in eliminating the key person dependency. When the individuals leave their jobs, they take away valuable knowledge which should be transferred to others to maintain the organization efficiency.

These environmental factors influence an individual's knowledge creating and sharing posture. Knowledge sharing behaviors can be divided into full knowledge sharing and partial knowledge sharing (Ford, Staples, 2010). Full knowledge sharing it characterized by intentions to fully share, whereas partial knowledge sharing is characterized by knowledge uniqueness, interpersonal distrust, and perceived value of knowledge (Gargan, Poster, 2005).

Leidner, et al. (2012) used a case study approach o contract and contrast the cultures and knowledge management approaches of two organizations, they suggests ways in which organizational culture influences knowledge management initiatives and evolution of knowledge management in organizations. Ka para, et al. (2002) have Classified KM approach as their "supply driven" or "depend dract". A recent study by Bock and Kim (2002) drew on social exchange theory, so iac contive theory and the theory of reasoned action and tested their proposed model of knowledge sharing attitudes. Also, the benefits of knowledge sharing were presented in the tripous researches (Noe et al.,2004; Ajzen,1991; Connelly,Kelloway,2003; Hofst de et 1,1991; Hofstede et al.,2002).

This study assumes that the access or failure of KM application highly depends on the cultural setting which cap trongly determine people's ability not only to create but also to share and effectively us knowledge and transfer their tacit knowledge into an explicit form that can be not not organization. The lack of enough study on private universities concerned KM, which is considered as a problematic issue, provides a clear justification for conducing of this study. Based on this argument, this study adopts a case study approach to explore the appropriateness of organizational culture for KS as one of the most important KM processes and the impact of some key cultural attributes including: trust, collaborative working environment, shared vision and management practices on KS.

THE CONCEPT OF KNOWLEDGE

Before attempting to address the question of knowledge management, it is important to highlights the following principles concerning the concept of knowledge.

- A collection of data is not information.
- A collection of information is not knowledge.
- A collection of knowledge is not wisdom.
- A collection of wisdom is not truth.

Figure (2) explains the relationships and hierarchy of the concepts of data, information, knowledge and wisdom (Hierarchy of the concepts of data, information, knowledge and wisdom).

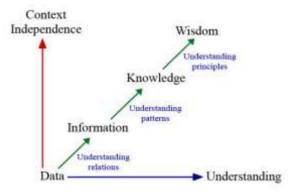


Figure 2: Hierarchical concepts of Knowle e

Source: Williams, 2014

That collection of data is not information; it implies the a collection of data for which there is no relation between the pieces of data is not information. Processing of data is the mechanism to transform the useless set of data into useble information. Processing of information which involves examination and it entification of relationships between them transform the information into knowledge that we then of more value for individuals as well as for the organization. Wisdom arises when the understands the foundational principles responsible for the patterns representing knowledge being what they are. And wisdom, even more so than knowledge, tends to create its own context. These foundational principles are universal and completely context independent. Knowledge then can be seen as accumulation of information in the person's mind. The sources of knowledge are varied and may include interaction with others, experiences, readings, listening, emotional factor. There are two types of knowledge including 'explicit' and 'tacit' knowledge.

RESEARCH MET YOULOGY

This study is a non-experimental type of research, which is based on descriptive and correlation research. The researcher has decided that the purposes of this research are for descriptive and hypothesis testing. The descriptive approach provides a snapshot of the characteristics of study variables; it is commonly used in social science study. In this study, a co-relational relationship is chosen to explain the relationship between two or more relevant variables associated with safety problems (Alkshali et al.,2010; Schweigert, 1994). A survey is defined as "a method for gathering information from a sample of individuals.

Population

The population for this research consisted of all the employees are in the MMU. A list of workers in MMU is obtained from the official website of multimedia university (Schermerhorn et al., 2000). The sample frame for this study was drawn from the 2012 Directory of MMU.

Saroos et al. (2005) indicated that, there are four most important motivations why researchers choose to sample their population. The primary and most obvious motive is to lower the costs of the research. The next motivation is to get greater accurateness of results. The third reason is to achieve larger speeds of data gathering and finally the accessibility of population elements.



gure 7: Types of Sampling

The essential consideration in all investigations is sample size. The sample size is determined according to ekacin, 2006) formula with population size (N) that contains 2030 respondents; (22) spondents are selected randomly as sample size (S) to acquire 95% level of confidence.

$$S = \frac{\frac{(t)^2 p. q}{d^2}}{1 + \left[\frac{1}{N} \left(\frac{(t)^2 p. q}{d^2}\right) - 1\right]} = \frac{\frac{(1.96)^2 \ 0.5 \times 0.5}{(0.05)^2}}{1 + \left[\frac{1}{2030} \left(\frac{(1.96)^2 \ 0.5 \times 0.5}{(0.05)^2}\right) - 1\right]} \approx 322$$

n	N	n	N	N	N	n	N	N	N
338	2800	260	800	162	280	80	100	10	10
341	3000	265	850	165	290	86	110	14	15
246	3500	269	900	169	300	92	120	19	20
351	4000	274	950	175	320	97	130	24	25
351	4500	278	1000	181	340	103	140	28	30
357	5000	285	1100	186	360	108	150	32	35
361	6000	291	1200	181	380	113	160	36	40
364	7000	297	1300	196	400	118	180	40	45
367	8000	302	1400	201	420	123	10	1	50
368	9000	306	1500	205	440	127	206	.8	55
373	10000	310	1600	210	460	132	215	52	60
375	15000	313	1700	214	480	1 6	220	56	65
377	20000	317	1800	217	500	140	230	59	70
379	30000	320	1900	32-	550	144	240	63	75
380	40000	322	700	2 4	600	148	250	66	80
381	50000	32	2. 10	242	650	152	260	70	85
382	75000	331	2400	248	700	155	270	73	90
384	10000	331	2600	256	750	159	270	76	"95

Table 1:Sample size Source: Adopted from Krejcie and Morgan (Krejcie, Daryle, 1970)

The question is a lized as the key instrument to gather data from the respondents.

An investigator was distributed questionnaires to the target respondents and gathers it through the Human Resource at MMU.

Independent variables

• Level of Trust (LT):

Trust is seen as an important determinant of the level of KS among organizational members. It reflects the reliability of employees' relationships and the nature of social interaction among employees.

• Collaborative Working Environment (CWE):

This variable reflects the applicability of team working environment with the context of the study.

• Shared Vision (SV):

This variable reflects the extent which the culture of the organization supports the existence of a common business framework the leads the organizational effort towards certain common goals.

• Managerial Practices (MP):

This variable explores the nature of management practices with the context of the study and the degree in which these variables can support or hinder exchanging of knowledge.

Dependent variable

• Knowledge Sharing (KS):

KS is a collaborative process which involves transferring and sharing of knowledge among group's members.

ANALYSIS OF DATA

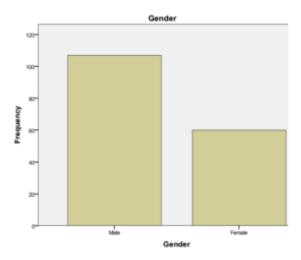
This quantitative research was designed to observe to induence of organizational culture's factor on knowledge sharing at multimedic university in Malaysia. This chapter presents results of data analysis .Data for this study was conjected using a survey combining two instruments: Organizational Culture Profile OCF instrument (Sarros et al., 2005) and Knowledge Management Technology Profile instrument (Heejun, Duke, 2006).

Respondents Demographic Anglys

This section discusses about lemographic analysis and explains the frequency of each item. Statistical Package of "Social Science (SPSS Window) version" 19.0 was utilized to sum up the biographic social asyshown below. In this part, the frequency bar graphs and tables for the biographic in commation captured in the questionnaire were used. In this section, the staffic of the content of the respondents to provide regarding their demographic information. Six items were comprised in this part, and the majority important diagram of this part is to give details the personality report of MMU'S staff. These include: Gender, Age, Marital Status, Years within the university, and highest Level of Education and Race records in MMU.

Gender Frequency

Figures 4 and 5 show that the MMU employees comprised 107 males and 60 females, which accounted for 64.1% and 35.9% respectively.



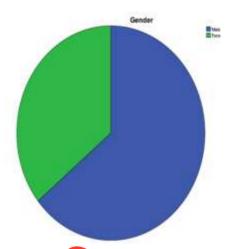


Figure 4: Frequency percentage of Gender

Figure 5: The frequency percentage of

Age Frequency

The participants were asked to state their palcaular age at the time of the survey. Table 2 and Figure 6 illustrate that the age group (o. 5.29 and 30-34 comprised the most MMU employees with 73 (43.7%) and 53 (31.7%) rembers respectively. There were 15 (9.0%) in the age group of 35-39; 12 (7.2%) of the age group of 40-44; 8 (4.8%) in the age group of 20-24; 4 (2.4%) in the age group of 4. 49, only 2 (1.2%) were more than 50 years old.

Table 2: Employm Strus Frequency

Valid	Freq.	Per nt	"Va.ıd	"Cumulative
			r creent"	Percent"
20-24	8	4.8	4.8	4.8
25-29	73	43.7	43.7	48.5
30-34	53	31.7	31.7	80.2
35-39	15	9.0	9.0	89.2
40-44	12	7.2	7.2	96.4
45-49	4	2.4	2.4	98.8
>50	2	1.2	1.2	100.0
Total	167	100.0	100.0	

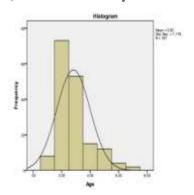


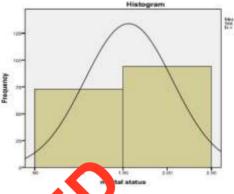
Figure 6: Frequency percentage of age

Marital Status

Table 3 and figure 7 show that 73 out of 167 respondents were single, accounting for 43.7% of the total sample. Of the total, 94 respondents were married, accounting for 56.3%.

Table 3: Marital Status

Valid	Fre	Perce	Valid	Cumulati
	q.	nt	perce	ve
			nt	percent
Single	73	43.7	43.7	43.7
Marri	94	56.3	56.3	100
ed				
Total	167	100	100	



gure 7: Crital Statuses

Education Rate

As shown in figures 8 and 9, the educa ional level of most of the workforce in Multimedia University regarding 67 individuals of 167 had the master's degree that generates 40.1% of the total groups. The lexicopermost figures of respondents were the bachelor's certificate with 36.5% who are torking within Multimedia University. At the time of the survey, 11.4% of work as kell-diploma degree and 5.4% had other's certificate. Only 6.6% of the staff have PhP degree.

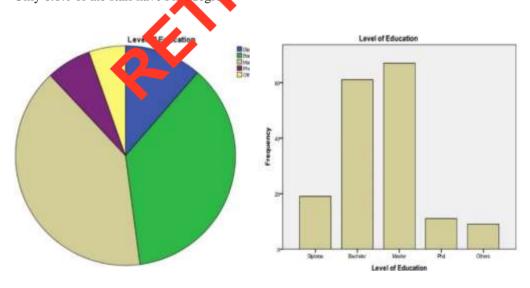
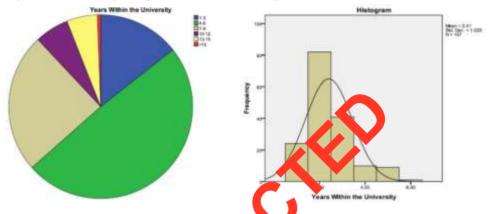


Figure 8: Education Rate

Figure 9: Education Rate

Years within the University

Figure 10 shows that 24 (14.4%) out of 167 participants in the Multimedia University accounted working for their university for "more than 1 to less than 3 years"; 82 (49.1%) reported working for "more than 4 to less than 6 years"; 41 or (24.6%) of the respondents had job practice among 7-9 years; 10 or (6.0%) participants in the Multimedia University reported working for their university for "more than 10 to less than 12 years"; 9 (5.4%) reported working for "more than 13 to less than 15 years" and at the time of the survey. Only 1 or (0.6%) had job experiences more than 15 years.



Race Frequency

Figure 11 shows the requency distribution for race group in the research. Most of the workers in this study are value which represents 115 or 68.9% of the population. In the meantime, Chinese cap sent 24 or 14.4%, Indian (21 or 12.6%) and others only 7 workers which represent 4.2

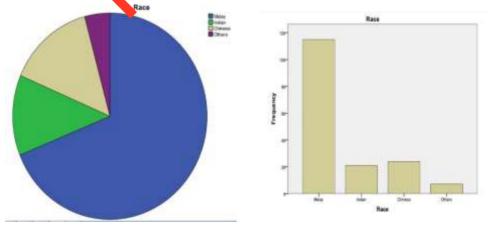


Figure 11: Race Frequencies

HYPOTHESIS TESTS

Reliability test and Spearman correlation (Khansharifan et al., 2015; Alavi et al., 2006) are methods that have been applied to test the hypothesis.

Reliability Test

This study used Cronbach alpha to test the consistency of the results produced by the scale. Cronbach alpha measures the consistency based on the extent to which a participant who answered a question in a certain way will respond to other questions in the same manner. According to this test, the overall reliability level was equal to (0.934) which is considered as an acceptable level of reliability (Zikmund et al., 2012). Table (3) below slows the reliability level of the scale variability. Since the percentage of the reliability level of all the scale's variables is greater than %60, the scale is considered reliable.

Table3: The Reliability of the Scale's Various

Variable	Cro. back alpha
Level of Trust (LT)	0.690
Collaborative Working Environment (W)	0.710
Shared Vision (SV)	0.745
Managerial Practices (M	0.900
Knowledge (har (RS)	0.869
Overail so les reliability	0.934

Spearman Correlan

Before testing the influence of the independent variables on the dependent variable using a regression analysis, it is important to test if the significance of the correlation between organizational culture variables and knowledge sharing. Therefore, Pearson correlation coefficient was calculated (Table 4).

Table 4: Spearman Correlation

Independent Variables	Correlation with Knowledge Sharing
Trust variable	.497**
Collaborative environment	.442**
Shared vision	.588**
Managerial practices	.727**

^{**.} Correlation is significant at the 0.01 level.

As shown in Table (4), all correlations between organizational culture variables and knowledge sharing are significant and positive. The strongest relationship was found between the dependent variable knowledge sharing and the Managerial practices.

Hypotheses Testing

Means and standard deviation values shown in Table (5) indicate that cultural attribute within the context of MMU can provide a medium support for KS. Efforts should be made to promote trust value, collaborative environment and team working, organizational shared vision, and supportive management practices.

Table 5. Means and standard deviations						
	N	Means	Std. Deviation			
Trust variable	321	3.0405	.89990			
Collaborative environment	321	2.9605	.87112			
Shared vision	321	3.0737	.92031			
Managerial practice	321	2.57 2	.91330			

Table 5: Means and standard deviations

1.00-2.49: low, 2.50-3.49: medium, 3.20. high

To test the proposed model, multiple regression analysis was used as shown in Table (6). The value of R2 (59.6%) shown in table and indicates that the four cultural factors investigated in this study including trust, collaborative working environment, shared vision, and managerial practices can explain 59.6% of the ariance in KS. This value of variance explained is considered of high importance of idering the social aspects of this study. This, in fact, is re-emphasizing the concept of an organization as a social entity where the level of trust, people's interaction and a Haboration, their vision, and management settings represent very important social marac visitics.

 Model
 R
 R
 Adjusted R2
 Std. Error of the Estimate

 1
 0.596
 0.591
 0.57225

ble 6: Model Summary

Based on the outcomes of results, the proposed hypotheses can be tested as follows:

Hypothesis No. 1.1: The level of trust within the context of MMU has a significant statistical impact on KS.

Trust as a cultural attribute has a significant direct effect on KS (t = 5.257; sig = 0.000). As shown in Table 6, the results of the first hypothesis showed that T value is (5.257) and the significance level is (0.000) which means a confidence level of (100%) and since its higher than the confidence level of this study which is (95%), accordingly, the second hypothesis is accepted.

This finding agrees with, Wang, et al. (2008), Paroutis and Al Saleh (2009) who emphasized the importance of trust in promoting of KS and transfer among organizational members.

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sing.
		В	Std. Error	Beta		~8
1	(Constant) Trust variable Collaborative environment Shared vision Managerial practice	.595 .253 194- .251 .527	.130 .048 .056 .049	.255 189- .258 .538	4.574 5.257 - 3.444- 5.076 10.648	.000 .000 .001 .000 .000

Table 7: Hypothesis No. results

a. Dependent Variable: Knowledge sharing

This can be justified based on the argument which emphasizes that trust environment can encourage people to interact more with each other's and share their ideas and knowledge. Lack of trust on, on the other hand, may create a state of isolation among organizational members which prevent sharing and exchanging of knowledge.

Hypothesis No. 1.2: Collaborative working environment within the context of MMU has a significant statistical impact on KS.

Collaborative working environment as a cultural oribut has a significant direct effect on KS (t= 3.444; sig = 0.001). As shown in table of the results of the second hypothesis showed that T value is (3.444) and the significance level is (0.001) which means a confidence level of (0.999%) and since its hig er that the confidence level of this study which is (95%), accordingly, the third hypothesis is cepted.

This finding agrees with, Dillenbourg, t. 2009) who emphasized the importance of collaborative working environment and improves social relations in promoting of KS and transfer among organizational mental re-

In fact, effective organizational collaborative environment in the form of team working and organizational committees can encourage team learning through promoting the socialization process and tree angle a state of synergy among team members. The availability of collaborative working a vironment can also enhance the transformation of individual knowledge into team knowledge and potentially into organizational knowledge.

Hypothesis No. 1.3: Employees shared vision within the context of MMU has a significant statistical impact on KS.

Employees shared vision as a cultural attribute has a significant direct effect on KS (t = 5.076; sig = 0.000). As shown in table 6, the results of the third hypothesis show that T value is (5.076) and the significance level is (0.000) which means a confidence level of (100%) and since its higher than the confidence level of this study which is (95%), the fourth hypothesis is accepted.

This finding agrees with (Ladd, Ward, 2002) who emphasizes the importance of employees shared vision in promoting of KS and among organizational members. In fact, the existence of a shared vision within the organizational context as a part of an effective strategic management process may create a common ground for organizational members to share their knowledge.

Hypothesis No. 1.4: Managerial practices within the context of MMU have a significant statistical impact on KS. Moreover, managerial practices as a cultural attribute has a significant direct effect on KS (t = 10.648; sig = 0.000). As shown in table 6, the results of the third hypothesis show that T value is (10.648) and the significance level is

(0.000) which means a confidence level of (100%) and since its higher than the confidence level of this study which is (95%), the fifth hypothesis is accepted.

This finding agrees with Holowetzki (2002), Chong et al. (2005) who emphasized the importance of managerial practices in promoting of KS among organizational members and supporting the KM application. Alkshali and Al-Temimi (2010) also emphasized that leadership had a significant effect on the overall organizational learning. The Effective management practices that enhance employee empowerment can encourage the existence of a transformational leadership and open culture where knowledge is rewarded and shared freely within the organizational context Alkshali and Al-Temimi (2010). These management practices may include job enrichment and enlargement, a transformational leadership, delegation of decision making authority, providing continuous training and development, developing effective reward practices and granting participation rights.

CONCLUSION

A survey questionnaire will be employed in achieving the object ves of this research. A survey is defined as "a method for gathering information from a simple of individuals. The key aim of a survey research is "to collect information from one or more people on some set of organizationally relevant constructs. As the convert of KM continues to gain popularity, it is crucial to understand KM and key success ractors. This study provides evidence concerning the importance of some cultural attribute for effective KS as a major process relating to KM practices. The findings of this study emphasize that cultural attributes are considered as an important factor the conditional determine the extent of KS with the organizational context. Accordingly, known committed management can increase employee motivation and to empower cannot their profession and organization. The results reveal in this study also emphasics the need to consider the cultural attributes of KM application's context. This involves not only the attempt to understand the organizational culture but also to enforce certain cultural attributes that can support successful diffusion of KM practices in general and KS as particular. The analysis of MMU demonstrate that involving organization's popularine design and implementation of appropriate mechanisms to empower employed. This can enhance organizational ability to adjust its expectations and provide better and more feasible suggestions for implementing the KM system.

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