

The Relationship between the Quantum Skills and Chaos Management (Case study: Educational Managers in Shahrekord)

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ABSTRACT

This paper seeks to explore the relationship between quantum skills and chaos management in educational managers. The design was a descriptive and has been done with functional objective and correlation is the methodology. The questionnaire which confirm its validity and reliability was used to measure variables. Population was all of educational managers of Shahrekord (178) who 122 was selected using Cochran formula and randomly category method and the obtained data was analysis by correlation and multiple regression; the results showed there is a significant relationship between the quantum management skills and the chaos management into the educational managers in Shahrekord high schools (region 1,2). The results showed that through the quantum management skills, the quantum acting and chaos management quantum being impact on educational managers and quantum looking, quantum thinking, quantum feeling, quantum knowledge and quantum trust don't influence on chaos management.

KEYWORDS: quantum skills, the chaos management, educational managers, high schools. Shahrekord.

1. INTRODUCTION

Decision-making in the modern organizations is definitely more difficult than the last by the rapid advancement of science and technology. Today, organizations can no longer activate as a mechanical and purely formal. The more organic situation, changed management levels and where management is more complex than in the past has been seen due to the complexity of the organization. Chaos Theory or order in chaos is the new issues and its developed apply in all fields, particularly the organization and management has been increased (Haji Karimi 2010). The advent of chaos theory in different fields of science is in the same direction that systemic vision enter it in the recently years, meanwhile, the theory is based on the systemic vision. By entering this theory in the field of management, we can describe "management" as knowledge in the not far future (Ghadami, 2000). Interlinking, chaos and disorder which equal with "turbulence" in mechanics knowledge. This term means the absence of any structure or discipline. This new science is the complexity theory, nonlinear dynamics and aspect of the science that has attracted attention to the theory is discipline in chaos theory or irregularities. Another name of chaos theory is nonlinear systems. In the irregularities theories, nature create or will create the actual patterns. These patterns are regulate in own space and in the moment will be disorder or in reverse in the moment are regulate and in the own space will be disorder (Ibid, p. 113).

One of the unknown order consequences is "Butterfly Effect" of which initial small perturbations lead to changes in behavior and very small and sometimes insignificant events have wonderful surprises effects on the organizations since lack of precision assessment and necessity predictions and readiness to encounter can disrupt the life cycle of organization and propel organization into curve descending slope of life. Therefore, managers should be prepared to effectively respond to unforeseen events and create enough flexibility for quickly changes in the boundaries sets that set out by organization's mission and principles. So, the managers must have basic skills to enter hustle space with quickly changes which called quantum skills in the management (Heidari, 2002). Managers would have changed adapted to chaotic systems characteristics by new vision, self- mind patterns then they will be able to differ production world in the organizations than past.

Organizations that tend to become chaotic organizations must rely on collective intelligence, creativity and innovation of their employees.

Inclusive and dynamic change along with the growth of knowledge and information in an organization need to creativity and innovation, process-oriented and continuous learning in organization (Stacey, 1998).

Managers should be known that a successful organization is including dynamics nonlinear feedback system which acts in the perturbation boundary. Creatively, dynamic adaptation of the functional areas led to a relationship between internal sub-systems and external interactions. Considering the above notes, the managers must provide necessity preparation for self-organization, creativity and innovation, continuous and

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comprehensive learning, process-oriented team activities, creative interaction with the environment, and identify sensitive and lever points by creating framework of higher dimensions of culture of organizational Chaotic Systems. Conventional skills are planning, organizing, directing and controlling but today's changing world that is constantly changing cannot manage with conventional skills and the third millennium need to another skills (Shelton, 1999). The recent research in physiological field show that human is a quantum creator; although in the first look human is material creator, he has invisible and immaterial aspect called mind, consciousness or spirit (Dyer, 1995). Quantum theory is metaphor for management behavior and a new paradigm which can effective on increasing leadership and management affect.

Since management tools for planning, organization, guidance and control is derived from the classical Newtonian physics and form the conventional skills of management, perhaps the principles of quantum physics can provide a new set of skills. The basic principles of quantum provide significant insight to an organization world which is objective and subjective, logical or rational, linear or nonlinear, organized or disorganized; the world where man has been found as what he/she be looked (Shelton, 1999). Quantum concepts are obtained from Shelton (1999) and is considers as new foundation for leadership in management i.e. the foundation which provide a new and paradigm interaction skills models of thinking for more effective, these skills are called "quantum skills" because these refer to quantum energy which is the most important case and the energy is the cause of everything in the world and therefore the material aspects of the world place in the second level. There are seven skills in the nature according to the theory:

1. Quantum look: *The ability to deliberately look;*
2. Quantum thinking: *The ability to inconsistent thinking;*
3. Quantum feeling: *The ability to sense any living creature;*
4. Quantum acting: *The ability to act responsibly;*
5. Quantum trusting: *The ability to trust the life process;*
6. Quantum thinking: *The ability to intuitive;*
7. Quantum being: *The ability to be related (Shelton & Darling, 2001).*

Pioneers in the quantum changes, as long as they have not changed yourselves, will not change organizations as administrators of the organization promotion and operations managers taught these skills change static and stagnating environment to quantum and dynamic and flexible organizations. Organizations that are in the era of chaos is ready for transformative power of conflict. In fact, characteristics of chaos theory, are appropriate to complex systems (Heydari, 2013).

Education as a complex system is closely related to the disturbance. Initial conditions and also all of the conditions that occur later was not known in the same level of accuracy for each student or class. Disturbance in the education may be considered in two ways. First, uncertainty and unpredictable currents have been seen in each classroom and each classroom may be exposed to varied events despite the best and most advanced teaching techniques and classroom management. Second, it is very difficult to understand the relationship between teaching and learning. How a teacher can understand what has been learned.

Teachers need to be prepared for turbulence and accept unpredictability and uncertainty as a normal condition. Teachers cannot influence on the whole world or control it but they can have effects on small pieces of the world (Heidari et al, 2002). In this course, the educational managers also have an important role in promoting education, thus equipping them with the skills, will be more successful them in educational institutions.

In this based, current study either determine the quantum management skills or chaos management of educational managers and consider relationship between quantum management skills and the chaos management.

2. Research background

Disorder and chaos theory strike the first hits of the body of the traditional management paradigm and goes to form the new paradigm basis of management and other related sciences. Scientific management theories, human relations, quantity and quality systemic management have been legendary and modern realities resist in the disorder and chaos theories. The main features of chaos theory are: the butterfly effect, dynamic adaptability, self-similarity and strange attraction which is described below.

Butterfly effect, is rational and completely justification of actions and decisions of entrepreneur, creative and successful managers which could provide the great transformation, changes and tremendous success for organizations by a proper motion and less energy. A creative idea is as the wings of a butterfly can be effective and energetic which create the evolution and make huge from the little (Alwani, 2002). Participate in the activities in field Butterfly Effect has been considered. Organization that is capable use of a key point i.e. tendency and invite them to participate in its activities, will be unable to realize huge movement to the lever. "Sensitivity to initial conditions" is another expression of the butterfly effect. Small changes in

the initial conditions of a process led to a wide variation in the results. Although this attitude is a rational scientific innovation, in general it is not new idea (Gleick, 21: 1993).

Organizational dynamic adaption that means of disorder systems related to their environment act as live creators and there is dynamic adaption between them and their environment. The most characters of this system are self-control, synergistic of parts, self-learned elements and system flexibility (Alwani, 2002). Adaptive systems have the features: first, they are self-control and self-order (Freedman, 21: 1993). Secondly, the feature of adaptive complexity systems is organization method, relationship between parts and complexity of this relationship that is capable create synergistic state in the optimal aspects and led to providing power which collect by all of the parts. Thirdly, feature of this systems is learnability. They learn by the feedback. Another feature of adaptive complexity systems is flexibility expertise thus flexibility in proficiency and promotable set and change them to varied types with different applications is necessity part for the survive organizations (ibid, 90).

Self- similarity in chaos theory is similarity between parts and whole therefore, a part of the pattern is same to whole. Self-similarity in the organizational behavior can led to a unity. All of people look to one purpose and direction. This feature called "self- similarity" (Alwani, 2002). Self-similarity can be used for new method of organization and make organizations which each unit act to official duties as self-sufficient. Self-similarity in the organizational behavior can led to a unity. All of people look to one purpose and direction. What called in classic management "one-direct" emerge in "self- similarity" (Shirzad, 2002).

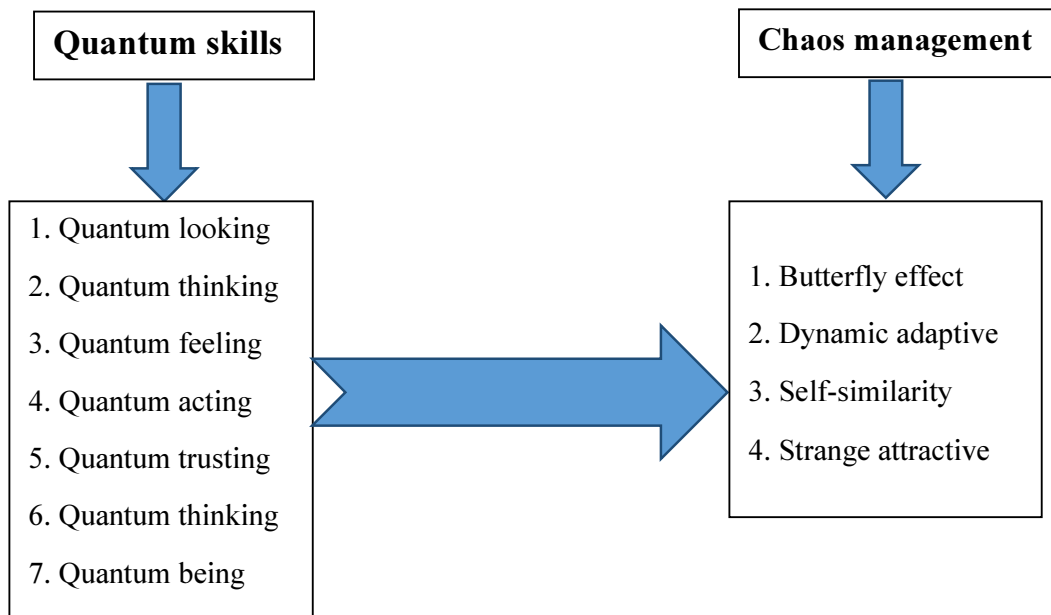
Strange attractive, will memorize order in disorder for managers. Severe changes, disorder behaviors, unpredictable changes, crisis activities reach to pattern which provide management art hereby predictable was obtained. Strange attractive led to the managers reach to the patterns which regulate disorders and explain chaos in order pattern (Alwani, 2002).

The recent research in physiological field show that human is a quantum creator; although in the first look human is material creator, he has invisible and immaterial aspect called mind, consciousness or spirit (Dyer, 1995). Quantum theory is a metaphor for management behavior and a new paradigm which can effective in increasing leadership and management effectiveness.

The educational managers also have effective role in promote the education thus equip with these skills led to successful management of the educational organizations therefore the current study either determine the quantum management skills and chaos management of educational managers or consider relationship between the quantum management skills and chaos management. Different studies investigate and describe the quantum skills and chaos management:

Morshedlou (1999) show that managers would attend to process- oriented in the organizations in the unstable condition and chaotic system. The most important role of the managers in the chaotic organization is providing the functional backgrounds for organizational continuous learning. Hadizadeh et al. (2010) concluded that organizations must increase knowledge capital and learning ability which are the best challenge source and have been left simple and static environment by the mechanical vision and replace chaos and complexity by quantum vision. Shirzadkhan (2001) show that using the chaos theory, organization can open own boundaries to external changes and will increase interactions. Sajadi et al. (2011) concluded there is direct relationship between educated level and management history of managers through analysis of factors and study of chaotic elements in physical education in based on chaos theory. Farajpoor (2011) show that quantum theory in management help to effectiveness and dynamic in managers. Tadayon Khah (2011) show that quantum skills of leaders challenge by thinking method and mind models for basic changes. When leaders using these skills will be more trust to changes and apt to continuous learning. Altafi (2011) provide a casual model for the study of effect quantum skills on teamwork effect by medium roles to psychological empowering and innovative behavior; she refer to quantum skills as endogenous variable and conclude that quantum skills have effective roles in teamwork. Ismaeilian (2012) show that uncertainty and unpredictable currents on classroom are the most important applications of chaos theory in educational management. Howeida (2012) investigate the leader strategies and quantum organization components. Leaders must have been had key role to help organization in face to psychological challenges. The results show that self-management and quantum organization components are higher than average and there is significant relationship between them. Farhadi Rad (2012) refer to the ability to act responsibly, the ability to trust the life process; the ability to dynamic and effective relationship, determinant adaptation level of university life and external environment as seven quantum skills. Azimi (2012) conclude that when the organization adapt to the world progress rate after obtained knowledge and different theories and leave the conventional and ineffective styles, success has been obtained and reach to the organizational purposes. Now, the important case was obtained by knowledge and awareness of managers to the managerial new methods in the world to create contend organizations and more productivity in human and capital sources also using new method for implementation managerial styles in organization. One of the important and effective of these styles is quantum styles. Certainly, manager awareness of these techniques impact on organization leading.

Stacey (1998) show there is necessity tendency between change and equilibrium, effective and self-organization in learnable organs and studies on this topic show the relationship between disorder theory and organization learning. Gorcan (1999) show that don't exist "any change without change" in the modern and changeable world. The management need to unknown and uncertainty and will has flexibility structures into dynamics forms, and is intrinsic and would be appear if management process place on this condition; the management is as continuous like little bits on quantum space which obtained by interaction with another. Darling & Shelton (1999) could define the new skills set. They believed that all of these skills create a model which help to managers using the conventional and new skills completely. Managers who have dominance on skills transfer to empowered maters in changes and will transform organization and own. Simon (2000) show that organizations in based on turbulent theory can help to managers to adjustment their viewpoints including chaos theory instead of order and resist management and structured chaos occur when more creative has been seen. Using quantum mechanical concepts and disorder theory Darling & Shelton (2001) provide the new skills in the management which led to managers more realize management potential. Morrisison (2002) show that in the chaos conditions, manager must change to the information manager to create space and structure the new conditions. Allen (2003) refer to organize in based on chaos in more official organizations to prevent bad results and emboss bad behaviors in management of public part not only led to bad management but also make inflation in organizations. Nordin et al. (2005) show that there is a relationship between quantum skills and knowledge management and both of them applied in the criminal investigations. Neil (2005) show that concepts of chaos management provide valid support in promoting comprehensive and meaningful concept which related to interaction between the information and host system. Spears (2006) show that the chaos managers must be foresight and design flexibility structure for organization until find out new direction to reach organizational purpose in the chaotic conditions. Stephane (2006) analysis the strange attractive, self-similarity, and self-quantum concepts which drive of turbulent theory and show that metaphoric usage of concepts from turbulent theory can impact on our thinking method about the theory and actualize the management of human source. Dale (2006) explain leader needs to reach active role to create, promote and keep synergy in quantum organization. Keskela & Hawell (2006) show that managers through complexity and chaos theory and self-provocation, encourage organizations so, lack of equilibrium in organizations not bad when there is existence conditions. Chaotic managers encourage the difference and varieties, innovation, defects and paradox and in this organization will expect inconsistency and defiance of necessity element in innovation. Monnica (2007) stated that "organizational evolution" is in result of the disorder process in management and making the preferences duties and plans and explain that little phenomenon and events can have the huge unexpected results which this behavior is initial result of disorder process and can be obtained arbitrary and voluntary results by leading the direction. Levent (2009) show that using the chaos theory led to promote the teamwork. Veriz & Lazarid (2012) had been new vision to organization and leadership using the quantum metaphor and believed that managers with quantum paradigm have different attitude than conventional managers through belief, leadership strategies, and managerial framework. Aghababaie et al (2014) show that self-leadership strategies and also the elements of quantum organization are higher than average and there is a significant and emboss relationship between self-leadership strategies and also quantum elements of organization in the universities. Fig 1 show a conceptual model.



Hypothesis

Following hypothesis have been examined according to studies and above conceptual model:

1. There is a significant relationship between quantum looking skills and all of chaos management dimension in the educational managers (in the Shahrekord high school).
2. There is a significant relationship between quantum skills and all of chaos management dimension in the educational managers (in the Shahrekord high school).
3. There is a significant relationship between quantum feeling and all of chaos management dimension in the educational managers (in the Shahrekord high school).
4. There is a significant relationship between quantum knowledge skill and all of chaos management dimension in the educational managers (in the Shahrekord high school).
5. There is a significant relationship between quantum acting skill and all of chaos management dimension in the educational managers (in the Shahrekord high school).
6. There is a significant relationship between quantum trust skill and all of chaos management dimension in the educational managers (in the Shahrekord high school).
7. There is a significant relationship between quantum being and all of chaos management dimension in the educational managers (in the Shahrekord high school).
8. All of quantum management skills have significant impact on chaos management (general) of the educational managers (in the Shahrekord high school).

3. METHODOLOGY

The purpose of this study is functional and since study and describe the relationship between quantum skills and chaos management between educational managers contribute to the descriptive-correlation type. Population is all of educational managers in Shahrekord high school who 122 was selected using Cochran formula and randomly category method and the obtained data was analysis by correlation and multiple regression. To collect data, the library method and questioner to obtain research history were used. For collect the enough validity in questioner confirmed by expert visions and nominal and content validity of the final questioner have been confirmed.

Chronbach alpha method which is one of the concluding tool was used to examine the questioner reliability. In based on this, initial 30 samples questioner of educational managers in Shahrekord high school have been performed and after analysis the questioners and omission of unrelated questions and obtained validities 0.88, 0.87, 0.882, 0.91, 0.88, 0.9 for the quantum looking, the quantum thinking, the quantum knowledge, the quantum acting, the quantum trust, the quantum being respectively, and the quantum skill equal 0.97 was obtained for all of questioner, reliability rate are 0.87, 0.915, 0.87, 0.87 for the butterfly effect, dynamic adaptive, strange attractive respectively and this rate for all of questioner was 0.96 which has high reliability in based on current sources (Seif, 2000).

4. Research findings

The regression and correlation test were used to examine research hypothesis. Results of research hypothesis explained following:

Hypothesis1. There is a significant relationship between quantum looking skill and all of chaos management dimension in the educational managers (in the Shahrekord high school).

Data in the table 1 show by studding relationship between quantum looking and chaos management of educational managers in Shahrekord high school (1,2 regions), correlation coefficient between the quantum looking and the butterfly effect ($r=0.886$), organizational dynamic adaptation ($r= 0.612$), self- similarity ($r= 0.559$), strange attractive ($r= 0.482$) and chaos management ($r= 0.642$) was significant in $p<0.01$ level; this means there is a significant relationship between quantum looking, chaos management and its dimensions (butterfly effect, organizational dynamic adaptation, self- similarity, strange attractive); so, research hypothesis in based on relation between quantum looking and chaos management and its dimensions has been confirmed.

Hypothesis2. There is a significant relationship between quantum thinking and chaos management dimensions in educational managers for Shahrekord high school.

Data in the table 1 show by studding relationship between quantum thinking and chaos management of educational managers in Shahrekord high school (1,2 regions), correlation coefficient between quantum thinking and butterfly effect ($r= 0.638$), organizational dynamic adaptation ($r= 0.556$), self- similarity ($r= 0.472$), strange attractive ($r= 0.475$) and chaos management ($r= 0.588$) is significant in $P<0.01$ level. This means there is a significant relationship between quantum thinking, chaos management and its dimensions (butterfly effect, organizational dynamic adaptation, self- similarity, strange attractive); so, research

hypothesis is based on relation between quantum thinking and chaos management and its dimensions has been confirmed.

Hypothesis 3. There is a significant relationship between quantum feeling and chaos management dimensions in educational managers for Shahrekord high school.

Data in the table 1 show by studding relationship between quantum feeling and chaos management of educational managers in Shahrekord high school (1,2 regions), correlation coefficient between quantum feeling and butterfly effect ($r= 0.721$), organizational dynamic adaptation ($r= 0.673$), self- similarity ($r= 0.589$), strange attractive ($r= 0.5$) and chaos management ($r= 0.681$) is significant in $P<0.01$ level. This means there is a significant relationship between quantum feeling, chaos management and its dimensions (butterfly effect, organizational dynamic adaptation, self- similarity, strange attractive); so, research hypothesis in based on relation between quantum feeling and chaos management and its dimensions has been confirmed.

Hypothesis 4. There is a significant relationship between quantum knowledge and chaos management dimensions in educational managers for Shahrekord high school.

Data in the table 1 show by studding relationship between quantum knowledge and chaos management of educational managers in Shahrekord high school (1,2 regions), correlation coefficient between quantum knowledge and butterfly effect ($r= 0.76$), organizational dynamic adaptation ($r= 0.694$), self- similarity ($r= 0.636$), strange attractive ($r= 0.593$) and chaos management ($r= 0.737$) is significant in $P<0.01$ level. This means there is a significant relationship between quantum knowledge, chaos management and its dimensions (butterfly effect, organizational dynamic adaptation, self- similarity, strange attractive); so, research hypothesis in based on relation between quantum knowledge and chaos management and its dimensions has been confirmed.

Hypothesis 5. There is a significant relationship between quantum acting and chaos management dimensions in educational managers for Shahrekord high school.

Data in the table 1 show by studding relationship between quantum acting and chaos management of educational managers in Shahrekord high school (1,2 regions), correlation coefficient between quantum acting and butterfly effect ($r= 0.792$), organizational dynamic adaptation ($r= 0.808$), self- similarity ($r= 0.718$), strange attractive ($r= 0.658$) and chaos management ($r= 0.819$) is significant in $P<0.01$ level. This means there is a significant relationship between quantum acting, chaos management and its dimensions (butterfly effect, organizational dynamic adaptation, self- similarity, strange attractive); so, research hypothesis in based on relation between quantum acting and chaos management and its dimensions has been confirmed.

Hypothesis 6. There is a significant relationship between quantum trust and chaos management dimensions in educational managers for Shahrekord high school.

Data in the table 1 show by studding relationship between quantum trust and chaos management of educational managers in Shahrekord high school (1,2 regions), correlation coefficient between quantum trust and butterfly effect ($r= 0.655$), organizational dynamic adaptation ($r= 0.558$), self- similarity ($r= 0.507$), strange attractive ($r= 0.514$) and chaos management ($r= 0.614$) is significant in $P<0.01$ level. This means there is a significant relationship between quantum trust, chaos management and its dimensions (butterfly effect, organizational dynamic adaptation, self- similarity, strange attractive); so, research hypothesis in based on relation between quantum trust and chaos management and its dimensions has been confirmed.

Hypothesis 7. There is a significant relationship between quantum being and chaos management dimensions in educational managers for Shahrekord high school.

Data in the table 1 show by studding relationship between quantum being and chaos management of educational managers in Shahrekord high school (1,2 regions), correlation coefficient between quantum being and butterfly effect ($r= 0.765$), organizational dynamic adaptation ($r= 0.792$), self- similarity ($r= 0.668$), strange attractive ($r= 0.646$) and chaos management ($r= 0.79$) is significant in $P<0.01$ level. This means there is a significant relationship between quantum being, chaos management and its dimensions (butterfly effect, organizational dynamic adaptation, self- similarity, strange attractive); so, research hypothesis in based on relation between quantum being and chaos management and its dimensions has been confirmed.

Table 1. Correlation coefficient between quantum skills and chaos management and its dimensions

Variable	Butterfly effect		Dynamic adaption		Self-similarity		Strange attractive		Chaos management	
	r	Sig	r	Sig	r	Sig	r	Sig	R	Sig
Quantum looking	0.668	0.000	0.612	0.000	0.559	0.000	0.482	0.000	0.642	0.000
Quantum thinking	0.638	0.000	0.556	0.000	0.472	0.000	0.475	0.000	0.588	0.000
Quantum feeling	0.721	0.000	0.673	0.000	0.589	0.000	0.5	0.000	0.681	0.000
Quantum knowledge	0.76	0.000	0.694	0.000	0.636	0.000	0.593	0.000	0.737	0.000
Quantum act	0.792	0.000	0.808	0.000	0.718	0.000	0.658	0.000	0.819	0.000
Quantum trust	0.655	0.000	0.558	0.000	0.507	0.000	0.514	0.000	0.614	0.000
Quantum being	0.765	0.000	0.792	0.000	0.668	0.000	0.646	0.000	0.79	0.000

Hypothesis 8. The quantum managerial skills impact on chaos management in educational managers in Shahrekord high school.

Data in the table 2 show that correlation coefficient (Pearson) place between quantum management and chaos management among educational managers in Shahrekord1,2 region ($r= 0.806$) which is significant in $p<0.01$ level. This means there is a significant relationship between the quantum management and chaos management among educational managers in Shahrekord 1,2 region so, basic hypothesis in based on relationship between quantum and chaos management has been confirmed. Data in table 3 show that obtained β coefficient in quantum acting equal 0.432 and quantum being was 0.269 which are significant in $p<0.01$ level.

Table 2. Correlation coefficient between quantum and chaos management

Variables	R	Sig
Quantum management	0.806	0.000
Chaos management		

Data in table 3 show that β coefficient was 0.432 and quantum being was 0.269 which is significant in $p<0.01$ level in the quantum acting components. This means that quantum acting components and quantum being have a role in the chaos management. There is no significant relationship between quantum looking, quantum thinking, quantum feeling, quantum knowledge, and quantum trust with chaos management. Analysis the data show that nominate coefficient was 0.718 for input variables this means it is predicted variable to quantum acting and being and predict 71.8 percentage of all chaos management variation. The nominate coefficient is significant ($F=41.36$) in the ($p<0.01$) level.

Table 3. The results of regression analysis of quantum and chaos management.

Predictive variables	b	B	T	Sig	R2	R2.adj	F	Sig
Quantum looking	-0.013	-0.012	0.148	0.883	0.718	0.7	41.367	0.000
Quantum thinking	0.003	0.003	0.027	0.978				
Quantum feeling	0.008	0.009	0.084	0.936				
Quantum knowledge	0.142	0.159	1.52	0.131				
Quantum acting	0.407	0.432	4.01	0.000				
Quantum trust	0.051	0.055	0.703	0.484				
Quantum being	0.262	0.269	2.64	0.009				

5. DISCUSSION AND CONCLUSION

About hypothesis 1. There is a significant relationship between quantum looking skill and all of chaos management dimension in the educational managers (in Shahrekord high school). The results show that relationship between quantum looking skill and all of chaos management dimension in the educational managers in Shahrekord high school is significant. Thus, current results and Spears (2006) show that chaos managers must be foresight and design flexibility structure for organization until find out new direction to reach organizational purpose in the chaotic conditions. Therefore, it has been offer to managers that separate the past experience chains in the mind by explicit and live imagination and create the new perceptual visions. Also, to supervise, prevent and changing unfruitful mind patterns using the cognitional psychologists' technique i.e. "re-construct thinking framework" has been referred. Using positive sentences (simple, positive and short phrases of purpose will) and place dream board or mind plane and positive sentences in front of the eyes can be visual reminder to create what is we want. When we use of these visual helps, will be more aware of our purpose and wills and be more sensitive to what is thinking about. If employees cooperate in the process of organizational viewpoint, will not resist to current beliefs and can select new probable method and options as conceptually and visually to successful performance of organizational viewpoint which was given by management command.

About hypothesis 2. There is a significant relationship between quantum thinking and chaos management dimensions in educational managers in Shahrekord high school. The results show that relationship between the quantum looking skill and all of the chaos management dimension in the educational managers in Shahrekord high school is significant. Thus, current results and Hawell&Keskela(2006) show that managers through complexity and chaos theory and self-provocation, encourage organizations so, lack of equilibrium in organizations not bad when there is existence conditions. Chaotic managers encourage the difference and varieties, innovation, defects and paradox and in this organization will expect inconsistency and defiance of necessity element in innovation. Simon (2000) show that organizations in based on turbulent theory can help to managers to adjustment their viewpoints including chaos theory instead of order and resist management and structured chaos occur when more creative has been seen. Also, current results compatible with Stephane

(2006), analysis results about strange attractive, self-similarity, and self- quantum concepts which drive of the turbulent theory and show that metaphoric usage of concepts from turbulent theory can impact on our thinking method about the theory and actualize the management of human source. Attend to short time results, immerse us in crisis thus, don't attention to the crisis and short time results and empower right hemisphere which collect visual thinking and give it designs for creative thinking. Teach to people that look at behind paradox and find out win-win solution.

About hypothesis 3. There is a significant relationship between quantum feeling and chaos management dimensions in educational managers for Shahrekord high school. The result show that relationship between quantum feeling and all of chaos management dimension in the educational managers in Shahrekord high school is significant thus results of this study compatible with keskela&Hawell (2006). They show that managers through complexity and chaos theory and self-provocation, encourage organizations so, lack of equilibrium in organizations not bad when there is existence conditions. Chaotic managers encourage the difference and varieties, innovation, defects and paradox and in this organization will expect inconsistency and defiance of necessity element in innovation and compatible with this results. Empowering this skill in the managers has been advised so that they able to show hidden feeling and teach them that positive aspects of each condition produce positive feeling in human and negative feelings vacate the energy.

About hypothesis 4. There is a significant relationship between quantum knowledge and chaos management dimensions in educational managers for Shahrekord high school. The result show that relationship between quantum knowledge and all of chaos management dimension in the educational managers in Shahrekord high school is significant thus results of this study compatible with Nordin et al (2006). They show that there is a relationship between quantum skills and knowledge management and both of them applied in criminal investigations. Also the result of this hypothesis compatible with Farazmand (2004). He refer to change and chaos theory and its role in the social science from contemporary viewpoint and analysis organizational theory and public management due to increased awareness to disorder and nonlinear dynamic features in modern organizations and examine this fact about learning new knowledge and flexible and creative management. Also, our results compatible with Hdizadeh (2010). They conclude that organizations must increase knowledge capital and learning ability which are the best challenge source and have been left simple and static environment by mechanical vision and replace chaos and complexity by quantum vision. It would be empower different methods to alleviate mind and deal with fear and stress of managers and using mental, virtual and physical to obtained the higher level of awareness has been referred but delivering data from quantum field was simple when we are calm either physical or emotional.

About hypothesis 5. There is a significant relationship between quantum acting and chaos management dimensions in educational managers in the Shahrekord high school. The results show that relationship between quantum acting and all of chaos management dimension in the educational managers in Shahrekord high school is significant thus the results compatible with Darling & Shelton (2001). They using quantum mechanical concepts and disorder theory as the new skills in management which led to managers more realize management potential. Seven quantum skills provide the model that balance conventional management's skills in left hemisphere by skills related to both hemispheres and when managers deal with these skills, they will deal with basic change and change own and organization deeply. In this field we has been advised that teach to managers how deal with conceptual status of awareness, then learn virtual relationship with whole which is bigger than own, and they will aware from feedback which life give to their selections when think about "present moment". When the manager use of the deepest values will act as ethical pattern and other also may alive their values like manager and all people will have enough confidence to study our values, therefore, implement these in the all of daily activities in the organization.

About hypothesis 6. There is a significant relationship between quantum trust and chaos management dimensions in educational managers in the Shahrekord high school. The results show that relationship between quantum trust and all of chaos management dimension in the educational managers in Shahrekord high school is significant thus the results compatible with TadayonKhah(2011). She show that quantum skills of leaders challenge by thinking method and mind models for basic changes. When leaders using these skills, will be more trust to changes and apt to continuous learning that compatible with our results and adapted by the results of Monica hypothesis (2007) show in "leading a system by disorder and chaos" that organizational evolution is in result of the disorder process in management and making preferences duties and plans and explain that little phenomenon and events can have the huge unexpected results which this behavior is initial result of disorder process and can be obtained arbitrary and voluntary results by leading the direction. So, don't attention to standardization organizational activities and learn to accept diversity, leave the success and try to create environment which has failure potential, don't tend to consistence and create open work units of which always change the membership to the leadership and vice versa until each person understand her/his specific duty. Employee must don't trend to control the structures and working methods and use of values empowerment and explain organizational purpose for consistency and amplification in the organization. They

must leave tendency to superficial order and allow the chaos has done transformer magic. They wouldn't control and maintenance power and share data as widespread.

About hypothesis7. There is a significant relationship between quantum being and chaos management dimensions in educational managers in Shahrekord high school. The results show that relationship between quantum being and all of chaos management dimension in the educational managers in Shahrekord high school is significant thus the results compatible with Allen (2003) that refer to organize in based on chaos in more official organizations to prevent bad results and emboss bad behaviors in management of public part not only led to bad management but also make inflation in organizations. Thus to create relationships we would have specific feeling and empower intensive listening skill in ourselves and finally, promote firm will to distance from fears.

About hypothesis8. The quantum managerial skills impact on chaos management in educational managers in Shahrekord high school. Result show that quantum acting and being impact on chaos management in the educational managers in Shahrekord high school among the quantum management skills and the quantum looking, the quantum thinking, the quantum feeling, the quantum knowledge and the quantum trust not effect on chaos management thus the results of this hypothesis is compatible with Shelton 2001. They using quantum mechanical concepts and disorder theory as the new skills in management which led to managers more realize management potential. Seven quantum skills provide the model that balance conventional management's skills in left hemisphere by skills related to both hemispheres and when managers deal with these skills, they will deal with basic change and change own and organization deeply. The hypothesis results was compatible with Darling & Shelton (1999). They show that conventional skills including planning, organizing, directing and controlling can't manage haste world that is constantly changing. They use of quantum mechanical concepts and chaos or disorder theory as a metaphor to define the new skills set to the management, in this place, managers can show own leadership capacity. Seventh skills are the provident, past-centered, scientific and immaterial, simple and complexity yet. They believed that skills provide a model which managers can using them and conventional skills in management. Managers decrease the mechanical limitations, obligatory and reducer thinking by deal with these skills and transfer to the change experts and finally will change own and organization deeply. Also, our results is compatible with Heidari (2013). In addition of quantum skills of management, he refer to these skills main skills to organizational conflictions and show that organization which are in the chaos era would have these skills. ToonkehNejad (2005) show that chaos and quantum theory will create new mind patterns which led to the managers change their viewpoint to confliction and look at confliction as necessity condition to evolution people and the organization. The manager and advisors of organizational development can accept confliction to make dynamic organization and use of quantum skills to continuous changes. This hypothesis were compatible with Farhadi Rad (2012) who refer to the ability to act responsibly, the ability to trust the life process; the ability to dynamic and effective relationship, determinant adaptation level of university life and external environment as seven quantum skills. Thus, education would try as an open system which interact with own environment (society) in based on society progress teach to employees enough experts to reach purpose development and increasing managers capabilities. So, we must emphasis to develop the quantum skills of managers i.e. chaos management has been developed if managers be aware of their purpose, use of creative activities, accept chaos as a necessity and act as responsibility so that presence total set and have been continuous relationship as horizontal and vertical.

REFERENCES

1. Aghababaei, R (2013). *The analysis of relationship between self-leadership strategies and components of quantum organization at universities*. International Journal of Academic Research in Economics and Management Sciences, Vol. 2, No. 5
2. Allen, L.J; Allen; E. J(2003). *A comparison of three different stochastic population, models with regard to persistence time*, Theoretical Population Biology, pp. 64-439-449.
3. Altafi, S (2011). *Creation of teamwork effective model by Quantum skills and intermediary role of empowerment and innovation and providing the native model in quantum skills in Oil Refining Company*, Sayed Mohammad Hossein Kamani assupervisor. MA thesis, Shiraz University.
4. Alvani, M; DanayiFard, H(2002). *Order in Chaos theory and management*. Tehran: Saffar.
5. Azimi, B (2012). *Study of familiar rate and applying the quantum skills on sports organizations in Iran*. M.A. thesis, Amol Nonprofit and nongovernmental institute.
6. Dale S; Deardorff G (2006). *Synergy Leadership in Quantum Organizations*. THINC Conference Journal of yesterday, today, tomorrow, April 19-21, Lake Lure, NC.
7. Darling, J.R (1999). *Organizational excellence and leadership strategies: principles followed by top multinational executives*. Leadership and organization Development Journal, Vol. 20, No.6, pp.21-309.

8. Darling, J R (2001). *Effective Conflict Management: Use of &walker weal the behavioral style model*. Leadership and Organizational Development Journal, Vol. 22, NO. 5, pp 230-242.
9. Dyer, w. w (1995). *Your Search Self*. Harper-collins, New York, NY.
10. Etebarian, A (2007). *Organizational change from the perspective of chaos theory (order in chaos)*. Tadbir Magazine, No. 190, p. 35.
11. Farajpour, S (2011). *Quantum and its role in management*. Cite to <http://Fanavari.blogfa.com>.
12. Farazmand, A (2003). *Chaos and Transformation Theories: A theatrical analysis with Implications for organization theory and public management*. A Global Journal, 3:339-372.
13. Farhadi Rad, H (2012). *Study of Quantum skills in Universities management for adaptation with the outer environment of Tehran governmental university*. Art university. Page 37.
14. Freedman, D.H. (1992). *Is Management still a science?*. Harvard Business, November.
15. Fris, J; Lazaridou, A (2006). *An Additional way of thinking about organizational Life and Leadership (the quantum perspective)*. Canadian Journal of Educational Administration and policy, Vol. 48.
16. Ghadami, M (2004). *Design of organizational effectiveness management patterns in based on Order in perturbation theory*. Administrative reform Journal, No. 47, Vol. 6, p. 171.
17. Glick, J (1987). *Chaos*. New York: Viking publication.
18. Gurcan, P; Murat A. D (1999). *Thinking Quantum Leadership for True transformation*. The talisman of "Not to know" at the threshold of new leadership. Cited to <http://opf.slu.cz/vvr/akce/turecko/pdf/Papatya.pdf>.
19. Hadizadeh, A (2010). *The role of complexity theory within organizations*. Tadbir Magazine, No. 216, p. 30.
20. Heidari Tafresh, Gh (2012). *New approach to organization and management theories in the world*. Tehran: Farashenakhti Andisheh publication.
21. Heidari, S (2013). *Conflict management, a key concept in solving organizational crisis*. International Conference on Management, Challenges and Solutions.
22. Hoveida, R (2013). *The relationship between Leadership Strategy and components of Quantum organizations*. Teaching strategies, No. 3, Vol. VI, p. 21.
23. Ismaeilian, S (2012). *Application of Chaos Theory in Management*. Cited to <http://hajarian.com/estertegic/tarjomeh>.
24. James, G (1993). *Order in perturbation theory*. Translation Mohsen Ghadami & Masood Niazmand (2005). Tehran: SinayeJavan publication, Second Edition.
25. Koskela, L and Howell, G. (2006). *The theory of project management – problem and opportunity*. Draft for Research Note, VTT Technical Research Centre of Finland, pp. 1-100.
26. Levent Baykan B (2009). *Chaos theory and its importance and applications*. Economics. pp: 34-37.
27. Morrison, K (2002). *School leadership and complexity & chaos theory*. London Routledgefalmer. Pp. 12-15.
28. Morshedlou, N (1999). *Order in the Chaos*. Cited to <http://Mojgan.persiongig.com/chaos.pdf>.
29. Neil, M (2005). *Chaos theory as a model for interpreting information systems in organizations*. Information Systems Journal, Vol. 15, Issue 3, pp. 233–254.
30. Pauleen, David J & Nordin M (2005). *Cognition, Quantum Skills, and Knowledge Management in the Criminal Investigation Process*. A Conceptual Model, Knowledge Management in Asia-Pacific 2005, Building a Knowledge Society, Linking Government, Business, Academia and the Community, 28-29 November 2005, Wellington, New Zealand.
31. Sajadi, N; Mirzadeh, Z; Ghoo darzi, M; Asadi, H (2014). *Analysis of factors of Chaotic Management and evaluation chaotic management in Iran physical education in based on Chaos theory pattern*. Sport Management Journal, Volume 6, No 1, p. 19.
32. Shelton, Charlotte K & Darling, John R (2001). *The Quantum Skills Modeling Management a new paradigm to enhance effective leadership*. Leadership & Organization Development Journal, Vol22, No. 6. Pp. 273-264.
33. Shelton, C (1999). *Quantum leaps*. Butterworth Heinemann, Boston, MA thesis.
34. Shirzadeh, A (2012). *Self-similarity property and its impact on management*. Cited <http://eudmodir.persianbloge.ir>.
35. Shirzadkhan, N (2010). *The effect of order on chaos theory in management and organizational leadership*. National Conference of leadership and management challenges in Iranian organizations, Azad University of Science and Research.
36. Simon, D (2000). *Organizational Values as Attractors of Chaos*. An Emerging Cultural Change to Manage Organizational Complexity, Journal of Economics literature classification, D23, M14, O33.
37. Spears, M. R (1996). *Chaos & complexity*. What does that have to do with management, pp: 1-100.

38. Stacey, R.D (1998). *Managing chaos: Dynamic business strategies in an unpredictable world*. Kogan page: London. p: 30.
39. Stacey, R (1999). Management of the unknowns. *Translation Mohsen Ghadami and Masoud Niazmand (1999)*. Tehran: Public Administration Training Centre publication.
40. Stephane T (2006). *Fractals, Attractors and the Quantum Self*. A New Lexicon for HRM, Paper presented at the 2006 Academy of Management conference, Atlanta (August), Queensland University of Technology, Brisbane, Australia, Alma Whiteley, Curtin University of Technology, cited <http://eprints.qut.edu.au/6467/1/6467.pdf>.
41. Tadayon Khah, A (2011). *Quantum and management skills*. Automotive magazine, No. 155, pp 53.
42. Tonkeh Nejad, M (2005). *The new theory of conflict management*. Tadbir Magazine, No. 162, p. 33.
43. Tyer, F (2002). Theory of organization as the epistemology. *Translation Sayed Mahdi Alvani & Hassan Danaie Far. (2003)*. Discourses in philosophy of governmental organization theories. Tehran: Saffar publication.