The Need to Conduct Urbanism Research Based on Research Methodologies in Art

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Abstract
Urbanism has emerged from the votes of people who were not urban developer in nature and this field has got an interdisciplinary nature as well. In this study the researcher has tried to investigate research methodologies and education in urbanism through review of the literature and the definitions as well as introducing urbanism as an art not just as a branch of engineering. The main question of this research is whether urbanism is engineering or an art? or should we follow academic research of the engineering sciences or the approaches in art researches? Nowadays, educational approaches in urbanism have faced crisis and with respect to the academic output of these fields, there is no visible and desirable change in Iran's urbanism industry. Change of attitude in this regard is the main purpose of this research. It is worth mentioning that the study has applied-descriptive approach. Conducting research on urbanism issues requires a serious review. Urbanism should not just depend on scientific and academic approaches but it has to also pay attention to artistic aspects along with technical one. In order for the researchers to conduct studies in urbanism and architecture, they need to establish research in urbanism and architecture based on research metrologies on art. An art which fits no classification and rules is in disagreement with scientific principles.

Keywords: urbanism, art, engineering, research

Introduction
If we look at our own cities as well as considering their general and detailed issues, we can understand that the cities which once were the important centers of knowledge, cities increasing in size but decreasing in quality lack identity as well as having boring spaces (Pakzad, 2007:30).

On the other hand, there are a lot of students who have been graduated in architecture and urbanism which have increased dramatically since the foundation of these universities. After the Islamic Revolution, Iran was experiencing a period of new relations which made it impossible to form a specific urbanism shape. During the Iran-Iraq war and due to the massive and destructive aspect of war, there was no attention to urbanism respectively. But after war and a quarter century of stability it was expected the university graduates who are now attracted to the labor market to make a change in the qualities of the cities. Today, we are facing cities that evoke the divided atmosphere, fragmented and full of non-spaces (Azheh, 2008). Urbanism and its education have been trapped in abstract sciences and many urban planners and architects (technical intern) call themselves engineer and architects.

American Association of Professional Engineers has defined engineering as "creative application of scientific principles in order to design or develop structures, machines, tools, production method or any other issues which are the combination of these things. This definition cannot properly introduce "urban developers" since urbanism is beyond the application of scientific principles. In this paper and by using art and technique definition as well as urbanism resources, urbanism is defined as an art not as a technique. At the end, it is concluded that the education and research in urbanism require a great change in attitudes as well as not falling into the trap of scientific methods.
**Theoretical foundation**

Art: In general, it is an abstract sense which refers to any activity that is spontaneous and controlled. In this less common sense, all the innovation and branches which are based on creativity include art.

The term art is applied to certain activities such as painting, graphic design, architecture, music, poetry, dance, theater and cinema (Pakbaz, 2007: 651)

Applied Art: The distinction between fine art and applied art gained importance with the Industrial Revolution (Pakbaz, 2007: 656)

Technique: The methods of experienced person in implementation of technical works of art (Pakbaz, 2007: 27)

Urban Designing: Urban designing is an effort to build up the beauty and function of the city for urban areas and the entire city. Urban designing is in relation with position, mass, design of various components and complex elements of urban planning, architecture and landscape. Urban designing is the combination of architecture and urban planning in line with building a large urban, functional and aesthetic area. (A Planners Dictionary APA, 2007: 432)

Urban Designing: The art of making places. (Cowan, 2005: 416)

Urban planning: Urban planning is decision-making processes in which the objectives are in line with it and resources and environment are analyzed, strategies are developed and necessary controls are applied to achieve the aims and objects associated with the city and urban communities. Improving people's welfare and their communities takes place through providing comfort, equality, health, performance and attractive environment for present and future generations (Cowan, 2005: 68).

Engineer: Engineer literally means measurer who is the master of geometry and shapes world. It also means the measurer in earth, masonry, carpentry and architecture. He is specializing in building and construction, architectural design, construction, agricultural and construction machines (Farshad, 2011: 10)

**Results and discussion**

Gokad and Ziteh have clearly pointed out in the nineteenth century that "urbanism has got various artistic and technical aspects in a whole." Although APA and Robert Cowan dictionary have not tried to define the term "Urbanism ", they have described urban designing and urban planning through using concepts such as beautifying the environment and the art of making places. However, in universities where different approaches of urbanism are taught, there is no sign of teaching the fundamentals of art and aesthetic and they are all ignored. Urbanism in recent years has focused on economic, demographic, legal, technical and social aspects. Emotional relationships of humans with city spaces have not been considered in any of the plans like comprehensive plans, preparation plans or even Hadi plan (Pakzad, 2007: 31).

Urbanism as an identified phenomenon has crawled out of the architecture as well as being connected to art. This is why we are not trying to look for architecture and urbanism in universities. Siam statements producers have clearly pointed out that "The existing academic spirit has forced countries to consume large amounts of money in the construction of buildings and encourage a kind of old luxury through ignoring more essential objectives in urbanism (Aostrofsky, 1992: 159) and this has revealed the necessity of further attention to urbanism.

According to what Siam responsible has pointed out, Siam Congress has been formed by a group of interested people like musicians, poets, writers and painters in which considerations were taken place in addition to their presence which led to dynamic and positive discussions (Aostrofsky, 1992:163). Siam existence shows that urbanism needs to rely on its interdisciplinary nature as
well as art rather than academic and scientific approaches. This method called "scientific method" refers to the concrete world. It considers wisdom as the highest branch of human knowledge which leads to abstraction, composition, analysis, and classification (Dadashi, 2009:2).

Art is not based on scientific method in any definition and no artist has become an artist just by reading the scientific method in the history of art. When reviewing the history of Renaissance art, there are two names "Rafael" the painter and Michelangelo the painter, sculptor, and the architect. There is no doubt that Rafael had professorship for many artists of his time. But what has made the name of Michelangelo so famous is that people of the world know him very well but Rafael is only known by art lovers. Greeks used to call art a wood, the word which meant techniques and technologies. It seems that there was no boundary between what we call high art and the construction of a horse harness. This expression can be used for many art masters as well as Raphael who were considered as true artists. They all knew the principles and methods of painting but it was "Michelangelo" a former student at the Academy of Art who gained fame through workshops, sculpture and painting as a full-fledged artist.

It is true that artists require knowledge and loaned science, but what makes his work worthy is his art which suits no technique and style. Art needs facilities and tools in order to create artistic work, but those tools do not create art. Tools produce goods which are far from artistic work. To date, most studies published in scientific journals were based on scientific principles. These principles and scientific methods are in contrast with nature of art and can not have successful reflection in human life. If it was not so, we could see reflection of the thousands of articles in our surrounding communities which were based on the scientific methods. We have forgotten that city is made by men's desires, fantasies and pictures which do not fit the scientific methods. Art is more dependent on intuitive methods then intellectual ways.

Conclusion
Urbanization is not quite an art but an applied art that needs to change our attitude about it. Formulating systematic research in art not only does not elevate them but such an effort in the history has resulted in the loss of creativity and freedom of mind and soul of the artist. It is not rich literature regarding this matter that painting and color, sound, music and other arts have made out cities to lose their sense and spirit.

Art is not engineering as well as having no relationship with engineering and scientific principles. Urbanization and architecture are both rooted in art that separating it as engineering and teaching it in scientific academy has not promoted the fields but destroyed it. In systems that are based on scientific principles, the best output would be an engineer (craftsman) not an artist or architect in construction. It seems necessary to reform methods and takes off the assessment glasses in measuring urban planning issues. There is a need to encourage the researchers to conduct researches about the governing spirit on their city as well as calling themselves an artist but not an engineer. Nietzsche, a German philosopher says if there was no art, human would be defeated under the truth.

At the end, it is worth mentioning that in a world which is rapidly moving towards being goods centered "art" itself may be dominated by a culture of goods which requires special attention.

References
American Engineers Council for Professional Development

Openly accessible at http://www.european-science.com