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The Relationship Between a Space Suitable for the Feeling of Vitality and Happiness of Talash Preschool Children and Being in Nature for Children's Growth

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Abstract:

A city can claim to be desirable if it meets the needs of all its citizens. Children, as one of the sections of the society, should be considered as much as possible in urban planning. The aim of the current research was the relationship between a space suitable for the feeling of vitality and happiness of preschool children in Talash city and being in nature for the purpose of children's growth. The research method is descriptive-analytical, and the main tools of data collection are questionnaires and children's drawings. The sample size in this research is 25 parents and 25 children aged 5 to 7 years. SPSS and Amos software were used for statistical analysis. The themes obtained from interviews with children and their drawings were in five main themes. The first main theme was related to kindergartens and kindergartens, the second main theme was related to forests and forest parks, the third main theme was related to playhouses, the fourth main theme was related to parks and gardens, and the fifth and final main theme was related to sports clubs. The research findings show that; Color in kindergartens and kindergartens is one of the effective physical factors and components in architecture for the freshness and vitality of children. Also, one of the components and themes obtained from the results of the hypothesis of the current research was the arrangement of the chairs, which is better for the communication and interaction of children with each other, as well as the effective and face-to-face interaction of the teacher with the children. Another factor was the light, which not only promotes and improves the mental health and psychological and emotional well-being of children, but also affects their performance and thus brings freshness and vitality to them.

Keywords:

The Feeling of Vitality, The Happiness of Preschool Children, Talesh City, Nature, Children's Development

1. Introduction

The disorganized urban environment and their lack of adaptation to the needs and desires of children has caused a change in their activity patterns, turning to computer games, not welcoming mobility and movement, and finally the appearance of physical complications such as obesity, so organizing and restoring life Children need socialization and activity. In fact, urban spaces have been formed according to the characteristics and perceptions of adults - and not children -. As a result, not only the urban environment does not help the development of children in various aspects, but in many cases, it causes boredom and fatigue in children and provides the basis for the emergence of abnormal and abnormal behaviors, which results in the dimming of creativity in children. is children Childhood has been the most important period of life for the formation of a person's personality structure, and the environment has an undeniable effect on the personality structure of a person, and since children are the future builders of society, therefore, architecture has an indirect effect on the future of societies and can be an important factor in growth and prosperity. it is considered. Research on urban spaces, especially special spaces for children, is necessary because the Iranian city has undergone adverse changes after the transition from tradition to modernism, which has affected the living body of the city and the culture of us Iranians. The contemporary city needs an organization; Contemporary cities have become inappropriate, lifeless, dry, violent and annoying places for citizens, and children, who are the weakest citizens, are the first victims of these conditions. In today's city, instead of experiencing the environment and adventure in the surrounding world, children are looking for excitement, imagination, legends, and imitation of television and computer games. In this way, they spend an artificial childhood made and paid for by adults. The most important negative consequence of this type of children's growth in today's cities is that we cannot expect these children to be bold, creative and curious people.

2. Research Hypothesis

The present study was conducted in order to determine the relationship between an environment suitable for the feeling of vitality and happiness of Talash preschool children and being in nature for the development of children. This study was conducted to investigate the following hypothesis:

There is a significant relationship between a space suitable for the feeling of vitality and happiness of Talash preschool children and being in nature for the development of children.

3. A Review of Research History

Taghipour et al.[1] studied "Risk analysis in the management of urban construction projects from the perspective of the employer and the contractor."

Mahboobi et al.[2] studied “Assessing ergonomic risk factors using combined data envelopment analysis and conventional methods for an auto parts manufacturer”, occupational injuries are currently a major contributor to job loss around the world.

Taghipour et al.[3] studied “The impact of ICT on knowledge sharing obstacles in knowledge management process (including case-study).”

Babaei Rik and Taghipour.[4] studied “Evaluation of pre-school development prevention programs in order to develop a child-friendly city model.”

Alamdard khoolaki et al.[5] studied “Effect of integrated marketing communication on brand value with the role of agencies reputation (including case study).”

Taghipour et al.[6] studied “A survey of BPL technology and feasibility of its application in Iran (Gilan Province).”

Mohammad et al.[7] studied “Assessing the effect of the FRP system on compressive and shear bending strength of concrete elements.”

Karimi et al.[8] studied “The impact of environmental transformational leadership on organizational citizenship behavior (case study: Municipality of 22nd district of Tehran) ”.

Taghipour et al.[9] studied “Insurance performance evaluation using BSC-AHP combined technique.”

Taghipour et al.[10] studied “The identification and prioritization of effective indices on optimal implementation of customer relationship management using TOPSIS, AHP methods—Case study: Pasargad bank.”

Taghipour and Moosavi[11] studied “A look at gas turbine vibration condition monitoring in region 3 of gas transmission operation.”

Rahmani et al.[12] studied “Providing health, safety and environmental management (HSE) program in metal mining industry (including case study).”

Taghipour and Vaezi[13] studied “Safe power outlet.”

Tarverdizadehet et al.[14] studied “Predicting students’ academic achievement based on emotional intelligence, personality and demographic characteristics, attitudes toward education and career prospects through the mediation of academic resilience.”

Azarian and Taghipour[15] studied “The impact of implementing inclusive quality management on organizational trust (case study: Educatin).”

Ghadamzan Jalali et al.[16] studied “Explain the relationship between intellectual capital, organizational learning and employee performance of Parsian Bank Branches in Gilan province.”

Mohammadi et al.[17] studied “Investigating the role and impact of using ICT tools on evaluating the performance of service organizations.”

Abdi Hevelayi et al.[18] studied “Predicting entrepreneurial marketing through strategic planning (including case study).”

Arsalani et al.[19] studied “Investigating the effect of social media marketing activities on brand awareness.”

Khorasani and Taghipour.[20] studied “The location of industrial complex using combined model of fuzzy multiple criteria decision making (including case study).”

Khodakhah Jeddi et al.[21] studied “The Analysis of Effect Colour Psychology on Environmental Graphic in Childeren Ward at Medical Centers.”

Hoseinpour et al.[22] studied “The problem solving of bi-objective hybrid production with the possibility of production outsourcing through Imperialist Algorithm, NSGA-II, GAPSO Hybid Algorithms.”

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Moradi Lalekaei et al.[24] studied “Measurement of the country of origin of the brand of branding and brand loyalty.”

Taghipour et al.[25] studied “Investigating the effect of intelligent ordnance on the level of learning/teaching (including case study).”

Taghipour et al.[26] studied “The study of the effect of smart schools on the level of learning-teaching in high school.”

Taghipour et al.[27] studied “The impact of motives from obtaining ISO 9001 certification on organization performance (including case study).”

Yaghoubi et al.[28] studied “Students learn and learn using the effects of smart schools.”

Taghipour et al.[29] studied “The impact of working capital management on the performance of firms listed in Tehran Stock Exchange (TSE).”

Habibi et al.[30] studied “Designing a smart model for managing Iranian chain stores based on business intelligence (case study of proma chain store).”

Akbarnezhadbaei et al.[31] studied “Modeling the application of knowledge management sestem in order to improve the technology governance in the automotive industry of Iran using the data mining environment.”

Akbarnezhadbaei et al.[32] studied “Determining a model for evaluating the knowledge management system in order to improve industries with the focus on educational technology and applying data mining concepts.”

Taghipour et al.[33] studied “Evaluating Project Planning and Control System in Multi-project Organizations under Fuzzy Data Approach Considering Resource Constraints(Case Study:Wind Tunnel Construction Project)”.

Taghipour et al.[34] studied “Implementation of software-efficient DES Algorithm”.

Taghipour et al.[35] studied “survey of BPL technology and feasibility of its application in Iran (Gilan Province) ”.

Taghipour et al.[36] studied “Evaluation of the Relationship between Occupational Accidents and Usage of Personal Protective Equipment in an Auto Making Unit ”.

Taghipour et al.[37] studied “Evaluation of the effective variables of the value engineering in services(Qazvin post center case study)”.

Taghipour et al.[38] studied “ Study of the Application of Risk Management in the Operation and Maintenance of Power Plant Projects”.

Taghipour et al.[39] studied “Necessity Analysis and Optimization of Implementing Projects with The Integration Approach of Risk Management and Value Engineering”.

Taghipour et al.[40] studied “Assessment of the Relationship Between Knowledge Managment Implementation and Managers Skills (Case Study: Reezmoj System Company in Iran)”.

Ghaed Amini Harouni et al.[41] studied “Effectiveness of Self-control and Aggression Reduction Skill Training of Male Juvenile Delinquents Correction and Rehabilitation Center (Including Case-Study) ”.

Nezamivand et al.[42] studied “Compare Effectiveness of Teaching Rational Emotive Therapy on Flexability and Mental Health Women with Sexual High risk and Substance Abuse Behaviours(Including Case-Study)”.

Taghipour et al.[43] studied “iuithe effect of personal factors on increasing the productivity of low-level employees in the general welfare department of tehran municipality” .

Abolghasemi et al.[44] studied “operational and credit risk model on planning management and efficiency of banks admitted to the stock exchange”.

Molavi and Taghipour.[45] studied “A survey on electrical cars advantages”.

Mousavi and Taghipour.[46] studied “Turbine vibration condition monitoring in region 3”.

Medhat M, Taghipour.[47] studied “Investigating the role of social capital in recreating the historical-cultural context of shiraz”.

Taghipour .[48] studied “A review of the sustainability indicators’ application in vehicle routing problem”.

Sharifzadeh and Taghipour.[49] studied “Evaluating the efficiency of dam construction management and ways to improve it”.

Shakeri Tabariyan and Taghipour .[50] studied “Identifying and prioritizing supply chain risks using the ANP and Dematel Model Process (including case study) ”.

Azizzadeh Kalngestani and Taghipour.[51] studied “Identifying Investigating he effect of smart schools on students’ learning and teaching”.

Moradi Lalekaei and Azizzadeh Kalngestani.[52] studied “Measuring brand differentiation and loyalty on brand equit”.

4. Research Methodology

The research method used in this research is descriptive-analytical based on library studies and field surveys and has a practical aspect. In order to do that, first, organized studies in the form of library and documents (examination of various texts and articles) have been conducted in the field of literature and records of the problem and research topic in the field of child-friendly city. In the field surveys, using a researcher-made questionnaire, parents’ opinions were collected about the existence of indicators of a child-friendly city in Kashan, and in the next step, children were asked to paint their idea of the city using the “improvisation” technique. Then, a multi-choice questionnaire (picture options) was provided to the children to indicate the elements of their desired city by marking or coloring in the desired painting. For the statistical analysis of the questionnaires, spss and Amos software were used, and then ANK’s

sample test and second-order factor analysis were used for parents and Cochran's for children.

5. Statistical Society

Since we do not seek generalization in qualitative research, two groups of informants were used in this research. These two groups are: the first group of 25 parents of six-year-old children, who were asked for their opinion about the characteristics of a child-friendly city through a questionnaire, and the second group of 25 children of 5-7 years old, who expressed their opinion about the characteristics of the city through drawings. Children's lovers have expressed.

6. Data Analysis Methods and Tools

In general, in this research, we needed standard patterns as characteristics of a child-friendly city, so we used thematic analysis method to look for patterns in these characteristics that analyze the dimensions of these characteristics. These standard characteristics included six characteristics, and by adding the seventh pattern, which was social capital, an almost complete pattern was obtained. Therefore, we interviewed children to evaluate their views on the characteristics of a child-friendly city and these seven characteristics and their dimensions. In this research, the researcher has used a semi-in-depth and somewhat structured interview to reach the main concepts. For this purpose, it has been tried to take the next steps to achieve depth and understanding of different conditions related to the situation by asking questions about the features of the child-friendly city and entering the field of research. The researcher made the questions as detailed as possible and during the interview asked the respondents questions such as: Can you explain more? What do you mean by this word? like what? And... because the researcher intended to reveal the meanings and interpretations hidden in the terms and words that emanate from their mentality through such conversations. Interviews conducted face-to-face using a voice recorder were recorded, each one was immediately implemented and coded and subjected to preliminary analysis. At the beginning of each interview, after introducing himself to the children and the companions of the participants and stating the purpose of the research, the researcher interviewed the children who were able to answer the questions and those children who were not able to understand the questions through drawing their opinions in Asked about the features of the child-friendly city In this research, after implementing the interviews, coding was started based on predetermined general themes, and then through continuous comparison, the obtained codes were classified based on similarities and differences. It was not mentioned by the children, which led to the creation of new themes. In order to increase the accuracy of the study, the 4 criteria proposed by Lincoln and Goha for qualitative research including believability, reliability, transferability and verifiability can be used. and the extracted codes were evaluated and verified, reliability and believability are very related. In order to increase the level of reliability, how to collect and record the data, the documentation of audio files and coded texts is available, which was done under the supervision of professors (guides and consultants). In the field of transferability, the duty of the researcher is to fully describe the background, assumptions and conditions of the research, which was tried to be observed in different parts of the research. It has also been tried to provide this possibility for other researchers to follow the followed process in a similar way. Finally, the verifiability or in other words the objectivity of the research, which is

achieved in qualitative research, first of all, through consensus on the definition and interpretation provided. In this section, the researcher, while clarifying the primary objectives and expectations of the research, has tried to observe the principle of objectivity and honesty in the analysis and conclusion stage. Due to the problem-oriented nature of this research, the main goal here is necessarily to discover the unknown dimensions and angles of the phenomenon under study (as is done in the database theory), but it is a more detailed description of themes and mechanisms whose general factors are already known to some extent; Therefore, theoretical or analytical interests have also been involved in the analysis and extraction.

7. Descriptive Statistics

In this section, we first examine the demographic characteristics of the children participating in this research, and then examine the codes obtained from the interviews with the children.

7.1. Research findings

Table 1. Demographic characteristics of children participating in the interview.

Low economic class		Middle economic class		Upper economic class	
Percent	Number	Percent	Number	Percent	Number
33/33	12	33/33	12	33/33	12
gender					
Boy	Girl	Boy	Girl	Boy	Girl
6	6	6	6	6	6

Table 1 shows the demographic characteristics of the children participating in the interview. According to this table, 12 people are equal to 33.33% of children in terms of economic class in high level, 12 people are equal to 33.33% in terms of economic class in average status and 12 people are equal to 33.33% in terms of economic status. They were on the lower level. Also, according to Table 1, the number of male and female children was equal in all economic classes and groups.

7.2. Research hypothesis

There is a significant relationship between a space suitable for the feeling of vitality and happiness of Talash preschool children and being in nature for the development of children.

Table 2. Codes resulting from the analysis of interviews and children's drawings in providing the facilities needed by children and providing the life needs of preschool children.

Sub themes	Main themes	Row
Distance to access sports, educational and service spaces Appropriate signs and visual signs Variety of games in game spaces	Access to sports, educational and service spaces	1
Distance to reach transportation stations Safety and security of transportation Abundance of vehicles Traffic signs and visual signs	Convenient access to transportation stations	2
Appropriate parental supervision of children's play, sports and educational space Appropriate supervision of teachers to children's play, sports and educational space Using standard and up-to-date equipment	Safety and security in children's play, sports and educational spaces and parks	3

and facilities		
Children's self-esteem Children's self-confidence Autonomy and independence in doing things	Psychological development and self-reliance in children	4

In Table 2, the provision of facilities needed by children and the provision of life needs of preschool children in Talash city and the monitoring of meeting the needs of preschool children in the stages of development were examined and the results obtained through interviews with children and drawings of preschool children in this table Provided. As can be seen in Table 2, the themes obtained from the interviews with children and their drawings in four main themes to provide the facilities needed by children and meet the life needs of preschool children in Talash city and monitor the needs of preschool children in the stages of development based on Items; Access to sports, educational and service spaces, appropriate access to transportation stations, safety and security in children's play, sports and educational spaces and parks, and psychological and self-reliance development in children. According to Table 2, the first main theme, which was related to access to sports, educational and service spaces, includes 3 other sub-themes that include; The distance to access the sports, educational and service spaces, the boards and visual signs and the variety of games in the gaming spaces were appropriate. According to Table 2, the second main theme, which was related to proper access to transportation stations, includes 3 other sub-themes that include; The distance to reach the transport stations, the safety and security of the vehicles, the frequency of vehicles and the appropriate visual signs and traffic signs. In the continuation of Table 2, the third main theme related to safety and security in children's play, sports and educational spaces and parks, which itself includes 3 other sub-themes that include; Parents' proper supervision of children's play, sports and educational space, teachers' proper supervision of children's play, sports and educational space, and the use of equipment and facilities were standardized and updated. Also, according to Table 2, the fourth main theme related to psychological development and self-reliance in children, which includes 3 other sub-themes that include; Self-esteem, self-confidence and autonomy and independence in doing things.

8. Discussion

The purpose of the present research was the relationship between a space suitable for the feeling of vitality and happiness of preschool children in Talash city and being in nature for the purpose of children's growth. The method of the current research was a qualitative type of thematic analysis. The sample of the current research included two groups, the first group of six-year-old children, whose views we asked about the characteristics of a child-friendly city through interviews, and the second group of children under 6 years of age, who expressed their views about the characteristics of a child-friendly city through drawings. Sampling was done purposefully in 1400.

Research hypothesis: There is a significant relationship between a space suitable for the feeling of vitality and happiness of Talash preschool children and being in nature for the development of children. Suitable spaces for the feeling of vitality and happiness of preschool children were investigated and the results are presented in this table through interviews with preschool children and drawings of preschool children. Themes obtained from interviews with children and their drawings in five main themes for suitable spaces for preschool children to feel alive and happy and to be in nature based on spaces; There have been kindergartens and kindergartens, forests and

forest parks, playhouses, parks and gardens, and sports clubs. The first main theme, which was related to kindergartens, includes 8 other sub-themes that include; Color, arrangement of seats, light, clothing of children and coaches, facilities and sports and recreational facilities, green space along with suitable open space, suitable space for education based on creative and artistic works and heating, cooling and ventilation system. The second main theme, which was related to forests and forest parks, includes 2 other sub-themes that include; Facilities and facilities for games, sports, entertainment and hospitality and open space along with green space were suitable for tourism. The third main theme related to the game houses, which itself includes 5 other sub-themes that include; Color, light, game, sports and entertainment facilities and facilities, open space suitable for individual and group games and heating, cooling and ventilation system. The fourth main theme related to parks and gardens, which includes 2 other sub-themes that include; Facilities and facilities for games, sports, entertainment and hospitality and open space along with green space were suitable for tourism. The fifth and final main theme related to sports clubs includes 5 other sub-themes which include; Game and sports facilities and facilities, heating and cooling and ventilation system, open space suitable for some sports, color, light and suitable space for parents to attend clubs to encourage and watch children's games. In explaining the results of the present research hypothesis, it can be said that; Color in kindergartens and kindergartens is one of the effective physical factors and components in architecture for the freshness and vitality of children. Colors are effective in honoring and straining people towards the creator of beauty, and they change the behavior of people in such a way that they cause important changes in their personality. Another component and themes obtained from the results of the hypothesis of the present research was the arrangement of the chairs, which is the factor for more communication and interaction of children with each other, as well as effective communication and face-to-face interaction between the teacher and the children, it is better to arrange the benches in a circle or U shape. Another factor was light. Natural light not only promotes and improves children's mental health and psychological and emotional well-being, but also affects their performance and thus brings freshness and vitality to them.

9. Conclusions

9.1. Research proposals

- Since this research was conducted on preschool children in Talash city, it is suggested to conduct future research on children in other cities and compare their results with the results and findings of the current research.
- In order to investigate the child-friendly city at ages after 6 years old, it is suggested to conduct this research on children over 6 years old and compare the results.

9.2. Practical suggestions

- It is suggested to use the results of this research to promote and improve the child-friendly city in Talash city for preschool and pre-primary children.
- It is suggested that kindergartens should have suitable natural light, suitable outdoor space, suitable sports facilities, green space, suitable color, suitable arrangement of chairs, etc. and should be used in order to create a friendly city. Let's get closer to the child.

Conflicts of Interest

The authors declare that there is no conflict of interest regarding the publication of this article.

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Author Contributions

Conceptualization, EB and MT; methodology, MM; software, MT; validation, EB, MT and EB; formal analysis, MT; investigation, MT; resources, MT; data curation, MT; writing—original draft preparation, MT; writing—review and editing, EB; visualization, EB; supervision, MT; project administration, EB; funding acquisition, EB. All authors have read and agreed to the published version of the manuscript.

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