

# Investigating The Effect Of The Yard's Environmental Quality Components On Student's Aggressive Behavior (Case Study: Students Of Elementary School)

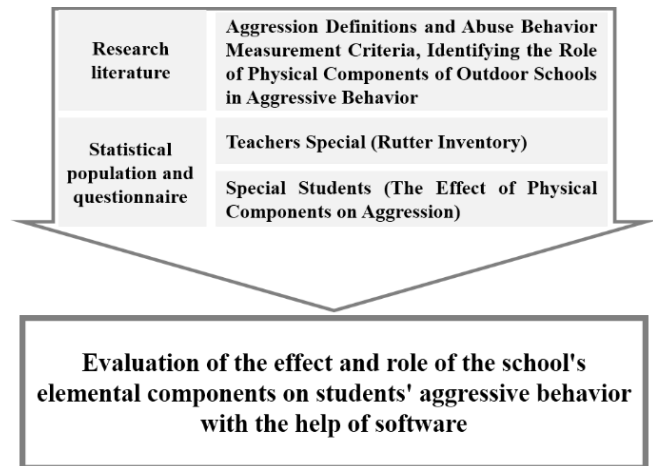
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## Abstract

One of today's social issues is the expansion of behavioral abnormalities in children, which is reflected in aggressive behaviors. Prevention of such behaviors is one of the most important priorities of families and educational institutions. Schools as the first social institution, plays a significant role in promoting social skills and controlling such aggressive behaviors. Accordingly, the study tries to evaluate the impact of the school environment on the reduction of aggressive behaviors in children. Among the spaces in the school, the yard was selected as the most common space, and its spatial-physical characteristics were evaluated in six schools in Shiraz. The research method is descriptive-analytic based on quantitative and qualitative strategies. A semi-structured questionnaire and interview with students and teachers were used. The results indicated that among the various spatial features of the school yard, green area in the yard, as well as the diversity of open and semi-open spaces in the school yard, had the greatest effect on reducing student behavioral disorder.

**Table1 . Environmental factors affecting the efficiency of educational environment and user behaviour**

Physical factors	How to influence the efficiency of student's learning environment and behaviour
<b>Color and layout of materials</b>	-Increase children's ability to learn and use in light blue, yellow, green and orange colors -Decrease IQ using white, black and brown colors - White represents science and thought, vibrant orange, energetic, pleasing pink, power and thought, yellow and red, vibrant and fatigued, and green represent the science of thought, and the stimulant and the blue of science and thought, stimulant and coolness.
<b>Open and semi-open spatial diversity</b>	-Improve the quality of learning by using natural light -The high proportion of students attending schools with natural light to artificial light
<b>Water and Waterfalls</b>	-Raise the attention of students and reduce negative interactions between students and enjoy peace of mind
<b>Greenness</b>	-Feel the safety and comfort of the school with the presence of trees and litter in the schools -Enhancing the activities of intelligent ventilation



**Fig. 1. Diagram of the research process**

## Conclusions

The results of this research can be used as design solutions for the design of the school's yard and can be useful for education officials systems and architects. The result is expressed in the increase of love and friendship among students, as well as mental relaxation.