INFLUENTIAL FACTORS ON ENHANCING INTERMEDIARY SPACES IN THE NEIGHBORHOOD AS A CONTEXT OF CHILDREN'S WALKING TO SCHOOL

Mansoureh Rezasoltani

Supervisor: Associate Prof. Dr. Ismail Bin Said

School journey

Intermediary spaces

RESEARCH AIMS

To discover children's favorite affordances at intermediary spaces in their school journey

To encourage children to choose walking travel mode to school

To reveal the qualities of intermediary spaces as play spaces connected with home-school way

To enhance children's physical , cognitive and social functioning

To suggest the sense of attachment and belonging of children towards their places
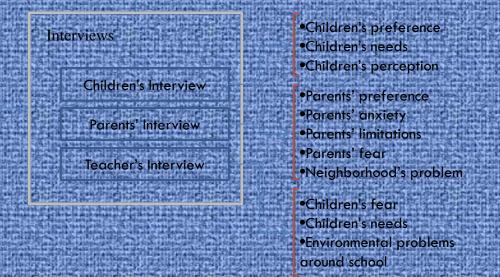
RESEARCH OBJECTIVES

1

To determine the influences on choice of transportation

2

To evaluate some barriers of children

3

To identify children's favorite affordances of playspaces which encourage them to walk to school

study

- To explore behavioral responses of elementary school students
  - Experience
  - Preference
- Children's relationship with playspaces in home-school way
- To evaluate affordances of playspaces
  - Increase children's enthusiasm to walk to school
- Discuss about some barriers to walk to school through the playspaces
  - Influence on parental decision about children's walking travel mode
- Arranged playspaces
  - Influence on physical activity and social life game of children

RESEARCH METHODOLOGY

- Orientation
- Positioning
- routing

Children's spatial knowledge regarding to their travel mode to school

Behavioral mapping

Blank Map

Sketch Map

- Time
- Distance
- Children's Preference
- Children's barriers
- Affordances of playspaces
- Parental decision
- Social interaction
- Independent mobility
- Travel mode

Research Methods

Survey Questionnaire

Interviews

Children's Interview

Parents' Interview

Teacher's Interview

- Children's preference
- Children's needs
- Children's perception

- Parents' preference
- Parents' anxiety
- Parents' limitations
- Parents' fear
- Neighborhood's problem

- Children's fear
- Children's needs
- Environmental problems around school

Analysis

1) Frequency Analysis

2) Factor Analysis

3) Confirmatory Factor Analysis

RESEARCH OUTCOMES

Frequency Analysis

A descriptive statistical method that shows the occurrences of each response selected by the respondents. the percentages of the values of individual variables were calculated to find the children's percentage of preferences regarding each variable.

Factor Analysis

Confirmatory Factor Analysis

- ✓ Attention to natural & manmade elements
- ✓ Place attachment for play
- ✓ Play preference
- ✓ Influence of parents' presence on social interaction
- ✓ Play effect on accuracy, happiness , learning

Cronbach's Alpha: 0.921

Spearman's Correlation: 0.831

Sample size: 399
confidence level: 95%

KMO & Bartlett's test (sampling adequacy): 0.842

Reliability

Validity

Structural Equation Modeling

GANTT CHART

Year	2008/2009		2009/2010		2010/2011		2011/2012	
Semester	0		1	2	3	4	5	6
Month								
Literature Review								
Methodology								
Data Collection:								
1. Survey Questionnaire								
1. Children's interview								
1. Parental Interview								
4. Sketch map								
5. Blank map								
Data Analysis:								
1. Survey Questionnaire								
1. Interview								
1. Behavioral Mapping								
Results and Findings								
Thesis Writing								

Thanks

for your attention