

Youth in Public Housing: Place attachment and Quality of Life Index

Kamarul Ariff Omar^{*1}, Dasimah Omar¹, Saberi Othman², Zaharah Mohd Yusoff¹

¹Faculty of Architecture, Planning and Surveying, Universiti Teknologi Mara (UiTM), 40450 Shah Alam, Selangor, Malaysia

²Faculty of Science and Mathematics, Universiti Pendidikan Sultan Idris (UPSI), 35900 Tanjong Malim, Perak Malaysia

Abstract

This study examines the quality of life (QoL) satisfaction through place attachment theory upon neighbourhood area among youth in Kuala Lumpur. The objectives are to test the impact of neighbourhood sense of place on QoL index. For place attachment, the environmental factors closest to the home of the residents exerted a greater influence than the more distal factor. These findings contribute to understanding the relationship between place attachment theory and quality of life among youth. The discussion also considers personal dimensions of place belonging and identifying associations amongst them as ways to explore youth quality of life in the PPH.

Keywords: Quality of Life; Place Attachment Theory; Youth; Public Housing

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1.0 Introduction

Neighbourhood determines equally as a 'place' for the inquiry to be carried out in some circumstances themes. It embraces the significance of the physical change, physical boundaries and local landmarks in creating a sense of belonging and identify on representing the quality of life among the dwellers (Omar et al., 2016b). Place indicated as a unit of 'eco-friendly experience' in conjunction of identifications, affects, and behaviours of the people who are experiencing the neighbourhood environmental spaces. The concept of neighbourhood environment usually measured by assessing neighbourhood networks, instrumental and emotional social support available within the area, casual interaction with neighbours and other resources potentially available to all members of the community structure (Omar et al., 2016a). The physical characteristics of a neighbourhood (i.e. the built form) affect patterns of local public contact remains highly arguable.

Place can be understood as a unit on accomplishment for 'environmental experience' (Canter, 1986), a conjunction of intuitions, affect and behaviours of the people who are experiencing the area (Canter, 1991). The word 'place' delivers many different dimensions such as physical size, tangible vs. symbolic, known and experienced versus unknown or not experienced (Pretty, et al., 2003). Lochner et al. (1999) concluded that neighbourhood solidity is a community level characteristic, with several instruments having been designed to quantify this collective attribute (Young, et al., 2004).

Nowadays, architects and urban designers have special attention to the psychological understanding of human behavior because these outlooks are closely related to the physical environment. The acquaintance of designers to environmental psychology helps to acknowledge people behaviour and makes harmonious design merge to peoples' needs. It also delivers good conditions for human life (Farkish, et al., 2015). The physical features and form play an important role in promoting the sense of place. They contribute to making places more understandable to the users- which can be identified, organized and navigated by the user (Lynch, 1960), with identifiable layout and clarity of the cityscape regarding its physical form and function. Legible places will enable users to form a clear and precise image of a place that helps the users to familiarise themselves and influenced by paths, edges, districts, nodes and landmark (Lynch, 1960). Unlike western counterparts, the Malaysian cities are multicultural with layers of architectural influences. This may have influenced the way places are perceived by the users (Ujang, 2012).

* Corresponding author. Tel.:
E-mail address: kamarulariffomar@gmail.com

Curiosity in indulgent the attachments that people form with places can be found in a variety of research thought. Sociology, for instance, underlines how the figurative senses of sceneries influence the social context of human interfaces (Grieder and Garkovich 1994). Early scholarships of 'place attachment' were engaged in the built environment. Recent determinations have considered residents' attachments to resource nearby the settlement (Vorkinn and Riese 2001), local residents' attachments to nearby "special places" (Eisenhauer et al. 2000), visitors' attachments to recreation and tourist destinations (Vaske and Kobrin 2001, Warzecha and Lime, 2001), and place attachment among second home owners (Jorgensen and Stedman 2001). This article extends the psychological study of attachment to recreational places by evaluating the demographic structure and performance of a commonly used place attachment with user quality of life especially adolescence.

Place attachment refers to the emotional and responsive sense of relationships that characters form with unambiguous places (Kyle et al., 2005). These links grant physical places with emotional sense and personal experience (Johnstone, 2012) and manifest as a constant tendency to continue close bonds to accurate, inclusive, and singular places (Kleine & Menzel-Baker, 2004). These pledges form after 'natural interaction' and become resilient as further time is consumed in the same location (Lewicka, 2011). Developing a reliable 'place attachment' to a 'residence' is assumed to be constructive for development of both individual and community characteristics and linked to improving: place characteristics and activities (Gross & Brown, 2008), customer loyalty, persistence to revisit, and inclusive destination satisfaction (Yuksel, & Yasin, 2010; Davis, 2016).

'Place attachment' is also earnest of study because of its significance to many essential processes. For instance, the examination of place attachment as an emotional bond has lean-to light on the distress and sorrow expressed by those who are enforced to displace (Fried, 1963; Fullilove, 1996). Place attachment has consequently been realistic to disaster consciousness (Brown et al., 2003), settlement (Ng, 1998), and movement (Giulian et al., 2003; Gustafson, 2001). Other research has shown that 'place meaning' and attachment can be used to plan and encourage the use of public spaces, such as national parks (Kyle et al., 2005; Williams & Stewart, 1998). Place attachment is also applicable to the study of environmental awareness. Committed individuals experience, a delicate sense of safety, even when their place is situated in a 'war zone' (Billig, 2006). On a slighter scale, attachment to one's neighbourhood is connected with fewer perceived rudeness (e.g., drug dealing, gang activity, traffic, etc.) on one's block and less fear of neighbourhood crime (Brown et al., 2003; Scannell & Gifford, 2010).

According to Bennett (2014), 'belonging' is a hazy term that is yet but central to the character and everyday life of people. History, people, and place are the three bases of belonging (Bennett, 2014; Miller, 2003). Belonging can be verbalised regarding "multiple social relationships broadening between past, present, and future generations and places" (Bennett, 2014, p. 658). A sense of belonging, conversely, is not only built on social relationships with others (Mellor et al., 2008) but is formed in the course of physical and mental dealings with places that are both attitudinal and thought (Peter et al., 2016).

Youth engagement has been called the "missing link" in organized activity research (Bartko, 2005; Kamarul Ariff Omar et al., 2016a). Rational engagement in precise space may be crucial for constant participation and interest of developmental reimbursements. Flow theory (Larson, 2000) delivers a useful perspective from which to hypothesise thought engagement in neighbourhood space in public housing. A course experience, defined as an emotional defined of involving total involvement in an activity, is assumed to transpire once challenges individual skills emerged (Rathunde & Csikszentmihalyi, 2006; Akiva et al., 2013).

This study achieved the understood of the combination of both sociology and physical discipline in identified the quality of life index among young people living the marginalised community in the public housing. The measurement comprises the surrounding physical development on both inside and outside the neighbourhood catchment. The aims are to examine the youth QoL index in conjunction with physical development consist of variety public facilities towards 'place attachment' method of validity. Therefore, the objective of this study is to test the impact of neighbourhood sense of place on QoL index. QoL measures should imitate local needs and conditions as it does not strive to be inclusive or collective. For these reasons, QoL measures are of three kinds to embrace both general and local conditions: (1) a domain-independent, the generalized rule based on life satisfaction, (2) a health-related measure based on outdoor space facilities, and (3) a quality-of-family life measure to reflect the youth lifestyle in the PPH.

2.0 Methodology

2.1 Respondents and Demographics' Determination

The study was initiated by conducting two focus group discussions (FGD). The first group targeting the youth consist of 12 (twelve) participants, and the second group consists of 12 (twelve) related stakeholders, parents, and residential committee members. The participants of the first group that is representing the youth were selected randomly according to several criteria. They were representing both female and male gender, age between 15 to 25 years old, and by different the races (Malay, Chinese, Indian). They were chosen among students, employed and unemployed and including house-wife.

The second group representing the stakeholders consists of six (6) participants of the PPR Residents' Committee members (two participants), a Town Planner from Kuala Lumpur City Hall (DBKL), a Town Planner from Federal Department of Town and Country Planning Department, Headquarters, Kuala Lumpur and two members of the Malaysian Youth Council Committee. These FGDs were held at the different venues between September 2014 and November 2014. The first session was at community hall of PPR on the afternoon between 3-5pm. The time was appropriate for the youth as most of them were in schools in the morning. The other FGD group was held at 10am-12pm at Armada Hotel in Petaling Jaya, which is accessible to all stakeholder participants.

The next stage is the quantitative data collection. A set of the questionnaire has been developed through the variable and highlighted subjects from the FGD sessions. The survey contains Part A; respondents' background and Part B; respondents'

satisfaction level with the outdoor features and space provision in the study area. A total of 400 questionnaires were distributed to the youth age 15-25 randomly. These respondents were selected using 'snowball' sampling technique because the total number of youth live there was not available. This survey took about 2 (two) weeks because most of the respondents were available during their leisure time at about five (5) p.m. after school and after working hours.

2.2 Quality of Life (QoL) Analysis

This study explored youth well-being index in the public housing neighbourhood area. There is eight (8) domain of the index value: standard of living, health, physical activity, emotion, safety, participation in the community, future hope, and moral values (Othman et al., 2016). The unit of analysis is the index percentage in correlation with respondents' satisfaction level for public spaces and facilities. By using a 1-5 scale of satisfactory, the results of each domain converted into percentage from overall mean and standard deviation. The numbers also were divided by gender in conjunction to raise the comparative result between both male and female quality of life.

2.3 Place Attachment Inventory (PAI) Analysis

The PAI is intended to measure place attachment, which is an affective (emotional) response to places that may influence place dependence and sense of belonging, and which may vary with factors such as sufficiency, accessibility, safety, etc. The items of inventory represent the surrounding public spaces and facilities used by the neighbourhood. The results than are shown in mean value to specified the level of respondents' feedback on each facility/spaces according to the factor of PAI analysis.

3.0 Result and Findings

3.1 Focus Group Discussion Report

The 'space' refers to an area for the neighbourhood users such as adolescence to have leisureliness and outdoor activities. These areas include soccer field; playground, multipurpose courts, and other green section appear proximate the neighbourhood area. According to numerous quoted proclamations, the insufficient space has affected the youth quality of life and satisfactory on a sense of place. This situation even causes them to stay at home doing nothing or heading to shopping mall rather having genuine social interaction. This is an act of early stages in organizing their activities by allowing for surrounding limitations (Schuster et al., 2013).

"Some spaces are restricted to childhood play because most of the residents put their flower pots within the access pathway such as the pedestrians, green area and even at the stairs."

(Adolescence respondent number 2)

"..., the facilities are not meant for youth only. This area is a community belonging where children can use it; an adult can use, and even for outsiders to use. So this area is not special for youth facilities as futsal pitch should be used by everyone."

(Residents' Committee member 1)

Based on the 'stakeholders' focus group discussion, one respondent indicated out the issue regarding unsuccessful youth engagement in the community interaction. The problem is the result of the dismissal into residents' neighbourhood committee as they refuse to elect youth representatives in the committee board as well as decision-making process (. This situation always occurred in the community meetings in which stemmed in the marginalization among youth. The residents' committee declined to snoop the grumbles and difficulties challenged by these vulnerable ages. Based on the overall conversation recorded, some issues have been highlighted to cultivate some keyword that continuously mentioned by respondents from both FGD sessions.

- Accessibility and range
- Sufficiency
- Comfortable
- Maintenance

Table 1. Issues and problems from FGD session

Issues	Problem	
	Youth	Stakeholders
Sufficiency	The existing outdoor features are less compared to the number of users.	Providing facilities and amenities are limited due to space availability.
Accessibility	The location is strategic, but the pathway is blocked by some physical barriers.	Access to some outdoor features being blocked by residents' cars, motorcycles, and stalls.
Comfortable	Female youth respondents are requesting for safety and separate space for leisure.	The existing features and space for leisure and physical activities are to be shared by all residents.
Maintenance	Some outdoor features are broken and damaged and not fixed or maintained.	Maintaining the outdoor features is not continuously practiced.
Bureaucracy and political matter	Residents committee are focusing more on parking	Youth can find their own way to have leisure and

and cleanliness issues.

should not be given special spaces to avoid social issues.

3.2 Respondents' Demographic Background

Table 2 shows the number the respondents' demographic background. From the total of 400 participants involved in the study, 224 (56.1%) were male, and 176(43.9%) were female. Age group of 15 – 17 and 21 – 23 years old 31.5% and 32.75% compared to age group of 18 – 20 (18.5%) and 24 – 25 (14.75%). A high percentage of the participants consisted of low education level, as 25% of them with a higher level of education (12.5% Diploma, and 13.7% undergraduate) (Table 2). The respondents' families have their source of income, and only 14.5% (57) made above RM 3501 per month.

Table 2. Respondents' Demographic Background

Respondent's Demography	Detail Information	N=400	%
Gender	Male	224	56.1
	Female	176	43.9
Age Group	15 – 17	125	31.5
	18 – 20	84	18.5
	21 – 23	131	32.75
	24 - 25	59	14.75
Education level	Primary school (Standard 6) – UPSR	14	3.5
	Lower secondary (form 3) – PMR	73	18.2
	Upper secondary (form 5) - SPM	162	40.4
	Upper secondary (form 6) – STPM	37	9.2
	Certificate	10	2.5
	Diploma	50	12.5
	Degree	54	13.7
Monthly Household income	< 500	29	7.2
	501-1000	42	10.5
	1001-1500	60	15
	1501-2000	66	16.5
	2001-2500	65	16.2
	2501-3000	51	12.7
	3001-3500	30	7.5
	3501-4000	16	4.0
	4000>	41	10.5
Employment Status	Employed	134	33.4
	Unemployed (Not active)	18	4.5
	Unemployed (active)	10	2.5
	Students	239	56.9

Based on the employment status, the majority of the respondents are students, 56.9% (239). Only 7% categorized under the unemployed status with half of them were in actively seeking for a job. Nevertheless, some of the data shown queries upon the criteria on owning a low-cost housing for a low-income person because there was about 10.5% of the respondents' families earn more than RM4000 per month, above the income of poverty line in Malaysia, RM3000 and below.

3.3 Quality of life index analysis

Results of the study focus on the quality of life index among adolescents in this marginalized community according to both gender descriptive statistics. Table 3 shows the quality of life index for the entire samples within both genders of youth at Lembah Pantai. The majority of the samples were for the regular assessment. The mean (M) value is suggesting that youth in this marginalized community perceived moderate QoL classification. They appeared with their overall standard of living by 73.50% same as the physical activities. The lowest score of QoL index rating is participation in the community, symptomatic of not thriving adapted to the community interface or decide on staying away from the activity, even more, the whole neighbourhood surrounding environment.

The QoL index between male and female youth do not fluctuate much, but percentage for male marginally higher compared to female. Analysis of gender showed that male suggestively has a positive perception of a standard of living ($P=0.0088$, <0.05), and perception of health ($P=0.0240$, <0.05). The rest of the QoL index does not show the substantial variance between male and female. Moreover, male respondents perceived more healthy compared to female, this supported by the other domains from having more physical activities 75.22% (male) to female (71.29%) and highly participate in the community, male (71.33) while female (65.71%).

Table 3. Quality of life index by gender of youth at Lembah Pantai, Kuala Lumpur

Quality of Life domains	All Samples (n=400)		Male (n=224)		Female (n=176)	
	M1	SD	M2	SD	M3	SD
Standard of living	73.50	21.20	75.00	21.00	72.14	21.42
Health	73.81	22.11	76.89	19.60	69.86	24.46
Physical activity	73.50	22.20	75.22	21.26	71.29	23.22
Emotion	71.75	23.12	72.56	22.90	70.71	23.43
Safety	70.69	24.70	71.44	25.41	69.71	23.80

Youth participation in community	68.88	23.15	71.33	21.53	65.71	24.80
Future hope	74.38	23.21	74.78	23.02	73.86	23.50
Moral values	75.69	23.17	77.78	21.54	73.00	25.00
Mean	72.93	17.03	74.57	15.39	70.80	18.80

3.4 Respondents' awareness of place identity and dependency

This section examines the number of respondents' feedback upon the identity and dependency throughout the spaces and facilities provided around the public housing neighbourhood, indicating availability and usage for place identity and dependency. Table 4 shows the result of both components. Health and educational facilities showed the highest positive awareness by respondents on its availability. However, these young people are not actively using the facilities compared to commercial space/facilities. Respondents stated the lowest feedback under the educational dependency as they are interested in having physical activities and hanging out nearby the commercial spaces in leisure time.

Nevertheless, the youth in this public housing are not in the attachment to the library. They were aware of its availability, and this resulted in an issue in the sense of interest for the library in public housing neighbourhood. The similar situation also happens to some of the recreational spaces element in which there was a lack of usage by the young people. Their attachment to these facilities are minimal and lack in the sense of belonging to the other users in general. By looking into the usage column, the youth were depending more on grocery shop (n=383) stated the answer "yes." The neighbourhood has only one (1) unit of a grocery shop to serve six (6) housing blocks. Concurrence to this matter, grocery shop is one of the highest dependency items in this public housing by the adolescents.

The second highest usage element mentioned is the restaurant or café with n=370 out of 400 respondents use the facilities. Youth nowadays prefer this kind of spaces to spend their leisure rather than having outdoor activities in the recreational facilities or spaces. This result has proof the issue arise from the FGD report, highlighting on the insufficient of outdoor features in the urban PPH neighbourhood. For community hall, 33.9% (n=135) of respondents stated not using the facilities, and this correlates the lower index for participation in the community activities. The library also indicated a higher value of not being used as stated by n=158 (39.5%). This facility should be used for community interaction environment. However, soccer field recorded with a higher value among of the not dependent item (n=195). Soccer field should play an important role in creating good interaction environment space for the dwellers. The youth sense of belonging in this urban public housing does not intentionally increase by this space.

Table 4. Public Spaces and Facilities availability and usage by respondents

Types of Public Space and Facilities		Availability (identity) (n=400)		Usage (dependency) (n=400)	
		Yes	No	Yes	No
1. Educational	Library	381	19	242	158
	Primary school	390	10	331	69
	Secondary school	390	10	343	57
2. Community interface	Community hall	391	9	265	135
3. Religious	Mosque	380	20	363	37
	Surau	380	20	358	42
	Buddhist Temple	4	396	4	396
	Hindu Temple	143	257	21	379
	Church	195	205	395	5
4. Recreational	Futsal court	399	1	254	146
	Badminton court	381	18	215	185
	Soccer field	377	23	205	195
	Recreational park / playground	376	24	251	149
	Gymnasium	5	395	0	400
	Jogging track	331	69	213	186
5. Health	Gov. clinic	398	2	345	55
	Private clinic	380	20	313	87
6. Commercial	Grocery	395	5	383	17
	Mini mart	371	29	344	56
	Restaurant /café	393	7	370	30

3.5 Place Attachment Inventory (PAI) analysis by Respondents

The average mean value of each PAI variables answered by respondents highly points out the ranking on placement index. Based on Table 3, it shows the average mean of respondents' satisfaction with public spaces and facilities. The mean has been clarified to measure the satisfaction level; sufficiency, comfortable, safety, ease, accessibility, and maintenance. The highest percentage showed the most influence to user place attachment.

Table 5 indicated the highest PAI index of commercial (79.4%), educational facilities by 77.2%, followed by community interaction (76.4%), health (75.8%), 63.8% on religious and the lowest is recreational by 60.8%. The ranking is not similar to Table 4 results. For example, recreational space shows a positive sense of belonging and dependency in Table 4, but still not satisfied to the users in some factor like; sufficiency and comfortability by an average of 3.0 - 3.6 of mean value as shown in PAI index column in Table 5.

The commercial spaces achieved the highest rank especially on restaurant/cafe because most of the young people often hanging out there among the peer group. The facilities showed the high mean value for each variable; v1=4.08, v2=3.95, v3=4.06, v4=4.07,

and v5=3.90. From the observation, it has verified the commercial space in this study area is fully utilized and continuously full with customers. This shows that commercial space is important in creating a sense of place in public housing, especially for adolescents.

Thus, from Table 5, the PAI index on educational institution also important to youth in public housing because young people nowadays are different from the past, they are more intelligence and understand the need of education and knowledge. Somehow, there is a need to enhance this facility to be more attractive and functional to users in creating a sense of place for the public housing in the urban area.

Table 5. Respondents' satisfaction using PAI variables

Types of Public Space/Facility		Place attachment inventory (PAI) variables						PAI index
		v1	v2	v3	v4	v5	vx	
1. Educational	Library	3.64	3.77	3.72	3.82	3.78	3.75	77.2
	Primary school	4.05	4.00	3.72	3.79	3.88	3.89	
	Secondary school	4.12	4.03	3.78	3.83	3.97	3.95	
2. Community interaction	Community hall	3.74	3.73	3.87	3.96	3.79	3.82	76.4
3. Religious	Mosque	4.23	4.18	4.15	4.12	4.06	4.15	63.8
	Surau	4.21	4.16	4.26	4.39	4.13	4.23	
	Buddhist Temple	4.25	3.75	4.25	3.75	3.75	3.95	
	Hindu Temple	3.67	4.05	3.33	3.33	3.86	3.65	
	Church	-	-	-	-	-	-	
4. Recreational	Futsal court	3.58	3.54	3.90	3.87	3.66	3.71	60.8
	Badminton court	3.55	3.62	3.90	3.88	3.73	3.74	
	Soccer field	3.31	3.51	3.60	3.69	3.61	3.54	
	Recreational park / playground	3.66	3.67	3.90	3.86	3.72	3.76	
	Gymnasium	-	-	-	-	-	-	
	Jogging track	3.30	3.51	3.59	3.59	3.52	3.50	
5. Health	Government clinic	3.71	3.86	3.76	3.93	3.88	3.83	75.8
	Private clinic	3.81	3.78	3.65	3.75	3.74	3.75	
6. Commercial	Grocery	4.09	3.92	4.09	4.09	3.83	4.00	79.4
	Mini mart	3.92	3.95	3.86	3.95	3.88	3.91	
	Restaurant	4.08	3.95	4.06	4.07	3.90	4.01	

* V1-sufficiency: V2-comfortability: V3-range: V4-accessibility: V5-maintenance: Vx: overall mean variable

4.0 Discussion and Conclusion

The study designates the importance of the identity and dependency factor in determining place attachment. It emerges that the people and places to create more activities and interaction. The dependency factor is reflected in the capability of each element to justify the emotional needs of the consumers that induce their excitement. Place attachment is developed as a consequence of the meaning(s) and the importance of places to the adolescent. The identity of the place is conventional over users' affirmative feedback with the places, the feeling of satisfaction, amusement, and safety.

Place attachment delivers an indicator of the consequence and sense of a place to the instant users. The significance in identifying users according to their demographic characteristics and roles is an appropriate approach to understanding the tangible principles of a place to a specific group of users (youth). PAI also examine the understanding and dependency towards the places. This thoughtful will promote the enactment procedure in the interference developments regarding different categories of users for public housing neighbourhood scheme. This is to shelter the neighbourhood attachment of the populaces to their environmental setting. Hence, it can be determined that place attachment will contribute to the conservancy of resident place identity and stability of personal and cultural identity towards a better quality of life.

This study allows the role of place attachment measurements in creating places more significant, consequently supports resilient public park consumption. The significance of the public space and facility as a social interaction medium could be irritated if the efficient attachment to a place is weedy (Omar, et al., 2016b). The dependency and a sense of belonging preserve the place as the midpoint for an individual land community interaction that could contribute to improved social interaction procedure. Neighbourhood spaces and outdoor features should fit the public.

Further research engaged at illuminating the need for place attachment inventory relationship between neighbourhood design and community engagement could be simplified by a better explanation of adolescent needs to succeed as part of a community. Precisely, there must be an enhanced indulgent for the place dependency and identity of 'sense of belonging' to be achieved, whether unplanned neighbourhood environment is necessary or whether deep social attachment, involvement, encouragement, and attachment to place are compulsory.

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