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BEYOND RESILIENCE

"TOWARDS A MORE INTEGRATED AND INCLUSIVE URBAN DESIGN"

JAKARTA, 24 - 26 JUNE 2019



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GEOGRAPHICAL INFLUENCE ON CITIZEN BEHAVIOR FROM THE PERSPECTIVE OF FENGSHUI

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ABSTRACT

Talking about urban life in terms of social-economy, culture, politics will influence and be influenced by the behavior of citizens, regarding what and how citizens' behavior is formed is a complicated study. According to Fengshui the behavior of citizens can also be influenced by the contour of the land, river flow, geography and the shape of the city. Therefore, research about the influence of geography on citizen behavior is interesting to study. This paper would like to study the problems of urban life from the perspective of Fengshui to enrich insights in understanding urban life. The method used is by analyzing the influence of geographical and shape of the city on urban citizen behavior and the influence of time on an era scale on citizen behavior, all of these analyzes will be reviewed with a Fengshui approach that focuses on the lives of city residents. The influence of earth's electromagnetic fields, the influence of the contour of the land surface and the influence of time factors described as follows; 1) Geographical and Fengshui; 2) Fengshui and Time Factor; 3) Geographical and Time Factor. The conclusions and findings of this study are that we become aware and willing always to take care of our environment to be better to produce positive Qi (氣) so that our lives as citizens can be better. On the other hand, we can also understand our diversity as humans who have different behaviors due to different geographic influences; thus, we can live more harmoniously and peacefully.

Keywords: Citizen Behavior, Electromagnetic Fields, Fengshui, Geography, Qi (氣).

1. INTRODUCTION

Inspired by the novel *Eat, Pray, Love* by Elizabeth Gilbert who was appointed to the big screen, played by Julia Robert and Javier Bardem told about the marriage failure of Elizabeth Gilbert (actress: Julia Roberts), due to failing to become pregnant so deciding to divorce her husband, Steven, (actor: Billy Crudup). Gilbert was very frustrated and then “run-away” abroad. She found culinary pleasures in Italy, worship in India, and her true love in Bali. Here we can see how this movie presents Italy famous for its culinary delights, India is famous for its worship activities and in Bali regarding the atmosphere full of love. What happens in these places is related to the influence of its citizens, this raises the question, what is meant by certain places with these unique features.

The fact that Indonesia is located in the ring of fire (see Figure 1) certainly has positive and negative consequences, Indonesia's soil is known to be fertile, plants are so easy to grow, even their forests are one of the lungs of the world, so animal diversity is also one of the most colorful, but on the other hand, natural disasters such as volcanic eruptions and earthquakes often overwrite.



Figure 1. Recent Earthquakes and Volcanic Eruptions
Source: Human Geography (Fouberg, et al., 2012, p. 441)

The size of the country of Indonesia that stretches from Sabang to Merauke, from Miangas to Rote Island, has different geography; therefore, the behavior of its citizens is also different and provides a variety of cultural colors. We can see the island of Bali which is rich in religious nuances and art in the movie *Eat, Pray, Love* is said to be full of love, while West Sumatra, especially Padang, whose cuisine is famous throughout the archipelago. On the other hand, we can see Batak people who are involved in the legal sector such as being a lawyer or legal advisor while the Bugis are famous for their maritime expertise and trade.

In terms of time, the long history of the Indonesian nation from prehistory, the kingdom and the sultanate, the colonized period, the independence period and then the reformation era as it now all contributes to the character of each generation and ethnicity in Indonesia. If geographical location can affect livelihoods such as coastal communities will tend to be fishermen, and highland communities tend to grow crops or livestock, as well as the influence of time factors, we can see when the past, many of them became farm laborers or shepherds, but now many works in office buildings, and nowadays businesses that are related to network technology and creativity are increasingly advancing, types of work change over time which certainly has an impact on behavior.

On the other hand, in Fengshui, many theories explain how the contour surface of a location affects the behavior of the people around it, as well as the influence of water flow, building orientation to the shape of the road pattern. In Fengshui, the influence of time factors is also something that is highly considered because it affects human behavior. Therefore, the diversity of citizen behavior is fascinating to study by studying the influence of geography and time factors from the perspective of Fengshui, so that we are expected to be more explicit in understanding the differences that occur from the behavior of citizens from each region so that the lives of citizens a more harmonious and happier one can be achieved.

2. MATERIALS AND METHODS

2.1 Geographic Factors

Geographers observe the phenomena of human which include language, religion, identity, physical phenomena as well as landforms, climate, and environmental changes. Besides that, he also studied spatial characteristics, material from human-made sources and people in his environment (Fouberg, et al., 2012, p. 9).

There is a myth that humans are responsible for themselves, so they can change themselves through the work they do. However, this myth needs to be considered as well as environmental problems can affect humans if the human condition is in harmony with the environment; of course, it will affect the people (Alexander, 1979). In this book we can see how environmental influences affect a person; the harmony of a person with his environment is essential so that the person can live optimally. Human groups will influence their skills and knowledge, for example, primitive groups such as the Tasaday tribe from Mindanao they do not have the sea, so in the language, there is no sea word, even though the sea distance with the area is only 40 miles. Groups with high civilizations can easily find out about the development of astronomy and geography in their area (Tuan, 1977, p. 76).

Yi-FuTuan is a cultural geographer who studies the role and function of language in forming places. He is researching from the language will give meaning based on the perception of the area both the location of large and small areas. Every place has a unique location in accordance with a reflection of real, long-lasting activities, ideas, and human creations. Yi-FuTuan argued that by saying a place would give character to the area (Fouberg, et al., 2012, p. 197). The cosmic environment is coherent; there is a desire to be lived by showing a harmonious relationship between nature and society so that order and fitness occur in the environment (Tuan, 1977, p. 88). Each geographical location has different vibrations in electromagnetic fields, this affects the body of the people around it because of

the vibrations from the movements that give rise to electromagnetic fields. Electromagnetic waves are vibrations using the Hertz (Hz) units and the human body also works electrically. One of the most striking things is that it is a Ferro (Fe) and other minerals in our blood (Teh, et al., 2018)

Environmental determinism can be seen as a simple concept to describe complex relationships between individuals and the physical, social, and psychological world. The relationship between the human environment is mediated in many contexts. Environmental psychologists increasingly use sophisticated research methods; for example, prospective longitudinal studies in several locations using multi-level analysis. In the words of Winston Churchill: At first, we shape our building; thereafter the building shapes us (Marmot, 2002).

2.2 Fengshui Factors

As quoted by Henry B. Lin in his book *The Art & Science of Fengshui* on page 32, Li Mozai said: "Land types will bring good luck if water are returning to them after flowing far ahead. This water can be bad for land types if there is return water usually located at the tip of the mountain. Therefore, it often does not have adequate protection on the sides. *Qi* (氣) are often scattered at bright halls because its too large, if several curved mountain branches accompany returned of water, or there are mountains on both sides of the site, or there are large mountains that guard the Earthly Door against water in the river, or there are three to five small mountains standing in Bright Hall, this is the best site. Such land sites are complicated to find. Ideal landforms, a site can still be profitable if several mountain branches rotate inward like clamps to intercept water between them, plus one or two hills keep the water gate on the river, at least, there is one mountain to guard the water gate at the river. If not, the site occupants are vulnerable to the change between success and failure".

Fengshui practitioners assess the quality and amount of vegetation, arrangements, and relationships with the environment and check the topography and water features (Bramble, 2003, p. 87). A professional Fengshui practitioner uses a series of general techniques and tools when analyzing site structures, including environmental assessment. More than just landscape assessment, this evaluation involves observing everything in the area, generally within a 1 (one) km radius. 'Everything' includes geography, adjacent buildings, bioclimates, natural light and ventilation, sound, and estimates of the level of thermal structure (Bramble, 2003, p. 86). "Bad Fengshui" is an embodiment of environmental and personal suffering (Bramble, 2003, p. 87).

By evaluating the natural cycle and its energy transformation, Fengshui can harmonize us, our buildings, and our planet's energy. By realizing how we can learn how to change our lives in ways the environment affects us, so that we feel more supported by the world around us, and finally reach easily with enthusiasm all that we think: happiness, health, love, fulfillment of relationships, success and prosperity (Mainini, 2004, p. 30).

In the natural environment, *Qi* (氣) is responsible for landforms such as mountains, the hues, and shapes of leaves, soil productivity, the paths of streams, the color of the sky, the shapes of clouds, and even the constitution of people; *Qi*'s (氣) all-pervasive quality in the environment was the primary influence of the formation of the human personality (Mainini, 2004, p. 63). Gravity and electromagnetism are also manifested of *Qi* (氣) originating from itself in this world. Sea tides, weather patterns, and the pull of the earth itself to keep all the objects in place are some of the most fundamental processes in which gravitational earth *Qi* (氣) affects our lives (Mainini, 2004, p. 66).

2.3 Time Factors

All calendar systems start with astronomy, one year is defined as the amount of time it takes for the earth to do a complete round around the sun, one month is the time it takes for the moon to do a complete round around the earth, one day is the time it takes the earth to do one complete rotation

on the axis (Teh, 2007, pp. 96-97). It seems that harmony is the key to breaking the time code for Chinese understanding (Castelli, 2015). How time and place relate to complex problems that invite different approaches; Time is movement or flow and also place as a pause in the temporal flow; attachment to place as a function of time, captured in a phrase, "takes time to know the place"; and a place like time seen, or a place as a memory for the past (Tuan, 1977, p. 179). The time factor is an essential factor in Fengshui. Because time factor is an essential relationship in all activities that we do, so time is an integral dimension of the universe (Lin, 2000), the relevance of time with Fengshui is no doubt (Lin, 2000, p. 26). The effect of time change affects *Qi* (氣) like a chemical process in which small particles of the life energy of the universe can affect the balance of *Qi* (氣) in each building, mixing energy from buildings can create or destroy according to the potential of each building (Mainini, 2004, p. 201).

The Fengshui theory in site selection provides analytical techniques to assess based on periods. Just as the science of Fengshui is also contextual with time; Without the aspect of time, it is impossible to understand what happened (Bramble, 2003, p. 148). The direction in Fengshui is related to space and time. Directions in Fengshui are related to humans occupying; all of this is a harmony between the functions of time and space (Lin, 2000, p. 92).

Earth goes on time. The masses challenge the power of place, carry with them assets and obligations of locality and adapt in new and foreign environments for life and security (De Blij, 2009, p. 6). This city has been studied recently, from the point of view of its geography, and is still more recent from its ecological point of view. There is a force that runs within the boundaries of urban communities- within the boundaries of natural areas for human habitation, but in reality-tends to result in a grouping of orderly and typical populations and institutions (Park & Burgess, 1967, p. 1).

Human ecology was initially interested in the effects of position, including in time and space, for human institutions and human behavior (Park & Burgess, 1967, p. 64).

3. RESULTS AND DISCUSSION

In chapter 4 of Henry B. Lin's book, it is said that there are eight key factors in Fengshui, including *Qi* (氣), mountains, water, wind, land, soil, direction and orientation, and timing. Here we can see that key factors in Fengshui are partly related to geography and time. Therefore, this discussion is organized as follows:

3.1 Geographical and Fengshui

From the study of the literature above, it can be seen how geography influences the lives of residents, the situation and conditions of the local geography affect even to certain ethnic languages, this occurs because of the interplay of influence between geography and the behavior of its citizens. The location of this geography can affect its citizens, among others, due to the vibration of the electromagnetic field, the content of Ferro (Fe) minerals in human blood is sensitive to these vibrations.

On the other hand, Fengshui says that the shape of a mountain and a river can bring good luck or vice versa depending on the formation of the form that occurs related to the shape of the open space (bright hall). Topography, quality and amount of vegetation, existing water features will affect *Qi* (氣) in circulation, and *Qi* (氣) will affect the personality of residents.

Geography in a broad sense includes topography, river flow, road formations in the city, as well as climate factors, geography which is good Fengshui will produce good quality human resources and vice versa, geography with bad Fengshui will produce humans with bad character.

3.2 Fengshui and Time Factors

Time as one of the dimensions that form the basis of Fengshui calculations is certainly very related to one another, Fengshui theory related to site selection (geography) is based on time factor calculations, Fengshui as a science that has a unified space-time concept is a unique science in studying influence from the form of geographic formation to humans.

To be able to understand the relationship of the time factor to Fengshui we need to understand the time understanding of Chinese culture which puts harmony as a keyword. The time factor affects *Qi* (氣) which will later affect human behavior. As seen in the Fengshui space concept which includes space-time, place and time factors interrelated, the famous Fengshui quote “Reversal of the wheel of fortune/Fengshui lún liú zhuàn” (風水 輪流 轉) rotating Fengshui shows that the time factor is very dominant influence a place, in one corner of the world there is a war or experiencing a disaster, on the other side of the world is growing positively, and this happens alternately, this certainly affects residents who are in that place.

3.3 Geographical and Time Factors

The time factor that the calculation depends on celestial objects (astronomy) gives an influence, among others, such as the moon influencing the tides of the sea water, thus affecting the movement of ocean water currents. The sun influences the temperature of the earth's surface, which affects the movement of air and the flow of wind, and indeed determines the season. This certainly gives a significant influence on the situation and conditions of the geographical location so that we know the geographical zone consisting of tropical, sub-tropical to polar regions.

The influence of the geographical zone on the behavior of residents who inhabit the tropics with residents who inhabit subtropical areas is undoubtedly different because citizens need different ways of adapting both to weather conditions and other things such as how to make a living, how to dress, even how to educate students in schools that will later influence the behavior of residents in the place.

4. CONCLUSION

From the discussion above, it can be concluded that the influence of geographic location on people's behavior is very close, as a result of differences in geographical location affecting the way citizens adapt to the situation and conditions of their environment, but according to Fengshui's perspective, this is caused by circulating of *Qi* (氣), *Qi* (氣) that exists in specific geographical locations is different from one another depending on the existing natural formation, topography, vegetation, water flow all contribute to the quality of *Qi* (氣) formed, does the formation produce good *Qi* (氣) quality or bad *Qi* (氣). The existing *Qi* (氣) quality will affect the behavior of citizens where the geographical position is located. *Qi* (氣) which is good will produce good quality human resources, while *Qi* (氣) which is bad will produce the quality of human beings who are the source of the problem. By understanding this, hopefully, we will become aware and willing always to protect our environment to be better to produce a positive quality of *Qi* (氣) so that our lives on this earth can be better. On the other hand, we can also understand our diversity as humans who have different behaviors due to different geographic influences; thus, we can live more harmoniously and peacefully.

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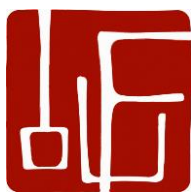
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