

## Zoning of Functional Transformation of Sport Center at Arcamanik Housing, Bandung, Jawa Barat, Indonesia

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**Abstract:** Housing and settlement in Bandung city increase every year caused by the increasing of need level. They often prioritize housing need of the community without paying attention to the quality of the community. Good residential houses prioritize the quality life of the citizen by building the public and social facilities, especially in health sector which is like Sport Center area. Arcamanik Sport Center is sport facility in Arcamanik housing. It undergoes zoning changes or transformation every year according to the citizen's need.

**Keyword:** Zoning, Transformation, Function, Sport, Center, Housing.

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### 1. Introduction

Arcamanik housing is sports-themed housing showed by the use of sport in naming road in the housing. Moreover, Arcamanik housing has contributed toward Bandung city and West Java Province as central place to athlete in exercising and as sport area for citizen of Arcamanik housing and surroundings.

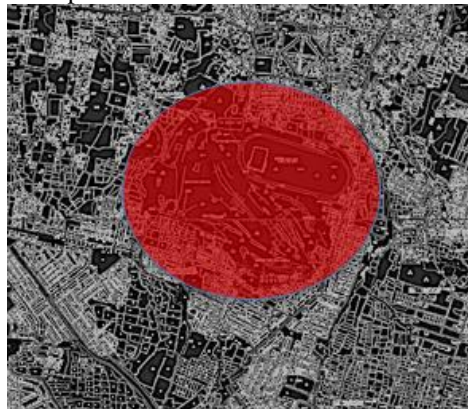


Figure 1. Area of Arcamanik Sport Center

Arcamanik Sport Center located in Sukamiskin village. There is an agricultural area where the land is mostly huge rice field. However, since 1979, there had shifted into housing area started by development of Arcamanik Endah housing. The name of road in Arcamanik housing are taken from sport names such as Golf, Senam Indah, Tinju, etc. Moreover, Arcamanik Sports Center area was formerly only open public green area. In 1985, it was designed and rebuilt for the sports activity space of the golf course. Area of golf course reached more than 60 hectares which used to be the largest golf course in Bandung city. However, over the years the golf course began to add a new function which was horse racing track named Pacuan Kuda Arcamanik (Arcamanik Horse Race) with area 20 Hectares. So that the golf course wide was 40 Hectares.

Arcamanik Sports Center is sport area which is built by the government and private side to prepare National Sport Week (Pekan Olahraga Nasional/PON). Besides, Arcamanik Sport Center functions as competition and training place for West Java or national Athlete (Tribun Jawa Barat Newspaper). Arcamanik Sports Center has many changes namely its first function which was as horse racing track and the golf area which was unkempt. Hence, the government and private side maximized the function of that sport area. The aim of this journal is to know the change of function or transformation of Arcamanik Sport Center at Arcamanik housing.

### 2. The Problem of the Study

Based on the background of the study, it can be seen that the housing development in big city, including Bandung, are massive. However, it avoids the need of citizen in that housing or surroundings which is

like sport area. Now, study area undergoes the transformation change of function every year. Several parts undergo the evolution gradually that have big impact.

### 3. The Aim of the Study

The aim of this study is to prove the truth of the transformation of functions or changes in the function area of Arcamanik Sport Center area and its effect on the Arcamanik housing. Hence, it can be known what kinds of activities that can revive Arcamanik Sport Center area and the impact of what happens from the changes in function Arcamanik Sport Center area. Arcamanik Sport Center area has great potential and asset to the development of Bandung and surrounding areas.

For Policy-makers, this study can be important information in spatial planning as well as urban and residential arrangements, particularly in areas of sport that have potential and influence in housing. This is intended to change the function of the sports area to turn on the activity in the sport area and can be utilized as possible in the housing.

For Science, this research is expected insight into the sharpness of researchers in understanding and solving the problems. In addition, the result of this study is expected to be one of the information for the general public about housing settlement problems and how to overcome them, especially related to the changing function of the sport area as a place of community activities and its effects in housing.

### 4. The Research Method

Research method in the study used descriptive by describing the reality that occurred during the survey research conducted from March 2017 to January 2018. In addition, the method in this study is part of quantitative method.



Figure 2. The Scope of the Study Area

Scope of the research in this study is Sport Center Area in Arcamanik Endah Bandung, where the Sport Center Area is one of the major sport facilities in the residential area of Arcamanik Endah. Arcamanik Sport Center area is selected to be the object of research because it is viewed from the changing function of Arcamanik Sport Center Area. It is used by residents of Arcamanik housing itself or Bandung city community even West Java province.

The city government of Bandung and West Java province want to rebuild the sport area in Arcamanik to support the event PON XIX in 2016. Arcamanik Horse Racing Ttrack area that has not been maintained, is used for the central sport area with complete facilities assisting SOR (Sport Center) Gedebage and others like Padjadjaran Sport Center, Koni Sport Center, etc. as a venue for PON 2016 with a land area of 20 hectares. Arcamanik Sport Center development began in 2014 which is completed on time in 2016 in accordance with the implementation of PON XIX.

The city or the environment of the area will always undergo changes such as the occurrence of social functions, this will result in changes that occur in the physical environment, social, also change the function of the environment or city. Physical environment in the study area has undergone a change process since its development, which was once a rice field area during the Dutch colonial period in Indonesia until the development of Arcamanik Endah housing which turned it into green open space. It was one of the functions of horse racing and golf course.

This of course will affect the physical, social, and cultural conditions that have grown in the study area. Physically, there is no longer a barrier to society inside outside and Arcamanik housing to mingle or socialize in the study area. Thus this mixing occurs socially and culturally. And gradually there will be economic relations (emerging cooperation in trade and services).

The main function in a space is a basic function as the result of design, but because the service has a negative effect and can be utilized by other functions, so that the secondary function of the space appears.

Introduction to the function needs to be done, because the function must run properly. If it does not work properly, then the space will be able to change the function or into a space that is not useful (lost space). The main function of Arcamanik Sport Center basically has changed, both in quantity and quality even some space functions that have changed and not replaced by other functions. Moreover, if it is replaced feels less able to increase the vitality of the region.

### 5. Analysis

#### Zoning of Transformation in Arcamanik in 1985-1999

The research method used is defamiliarization. It is an attempt to find new understanding through the process of identifying, decomposing and recomposing. The defamiliarization method works by selecting regional elements that have the potential to act as 'place - defining elements' (Source: Mark Nesbitt, 1995).



Figure 3 Scope Study Area

Remarks :

- Zoning of Function of Golf Course Location
- Zoning of Function of Horse Racing Track Location .

The addition of the horse racing track area in 1985 gave a considerable impact on the Arcamanik housing. Arcamanik horse racing track was built with the purpose of Arcamanik housing community or citizens of Bandung can do horse riding and horse competition activities or horse racing. It was for 15 years only, as around 2000, this race track or horse racing activity disappeared. That activity was no longer visible, only a few of horses are still available, even nothing at all. Not only horse racing activities are no longer visible but also golf course was no longer maintained and no activity there.

#### Zoning of Transformation of Arcamanik Sport Center in 1999-2015

Arcamanik Sport Center in 1999 had a change or transformation to a new zoning of functions and form, which arose with cause-and-effect from Arcamanik Sport Center activities. Since 2000 until 2009, activities at the horse races were very high, both for regional and provincial competition. High activity of the house racing track causes the emergence of new facility need that is tribune for spectators with the purpose to enjoy the race horse and protect from heat or rain. Meanwhile, at golf course, high activity will cause need of equipment for golf. This led to the emergence of illegal kiosks or unlicensed by the government to be the emergence of new problems due to no permit permanent construction of Arcamanik golf course grounds.



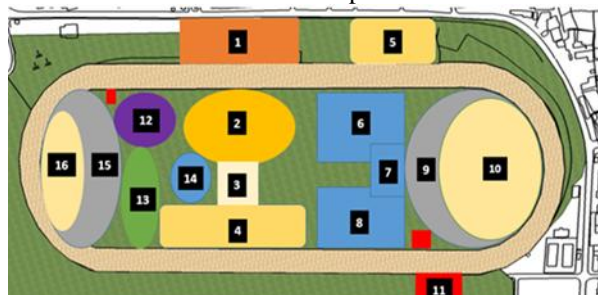
Figure 4. Zoning of Function Analysis at Arcamanik Sport Center Transformation in 1999-2015

- Functional Zoning of Golf Course Area
- Functional Zoning of Horse Racing Track Area
- Functional Zoning of Spectator Tribune Area



In 2009, the activities that occurred both at horse racing track and the the golf course decreased even abandoned. Zoning of function and existing form are not well maintained. Golf courses that are not well maintained and horse racing games that have started to be abandoned cause metafit activity on the spot, such as wild races and other negative activities. This is one reason for the transformation in Arcamanik Sport Center, in addition to facilitate the sport arena in the XIX PON game in 2016.

Transformation of Arcamanik Sport Center in 2015-2017



**Gambar 5.** Analysis of Functional Zoning at Arcamanik Sport Center Transformation in 2015-2017

Remarks :

- |  |                                |
|--|--------------------------------|
| 1. Entrance  | 9. Football Spectator Tribune  |
| 2. Basketball Field  | 10. Football Field             |
| 3. Open Public Space                                       | 11. Generator Set              |
| 4. Athlete Hostel  | 12. Football Field             |
| 5. Horse Racing Track Area                                 | 13. Green Open Space (Park)    |
| 6. Office of Youth and Sport Affairs of West Java Province | 14. Mosque                     |
| 7. Football Preparation Room                               | 15. Baseball Spectator Tribune |
| 8. Office  | 16. Baseball Field             |

Activities that occur in the Arcamanik Sports Center are very diverse. However, the most dominant is jogging or walking in Arcamanik Sports Center. Saturday and Sunday are very crowded for jogging or walking activities. This jogging area is an existing facility at Arcamanik Sport Center. This area is made of multifunctional asphalt used for running and also access of vehicle entry. According to Dwiyo (2009: 11), explained the sport participates in physical activity to get pleasure and special activities such as athletic games.

In general, exercise is a physical activity performed with the intent to maintain health and strengthen the muscles of the body. Activities in its development can be done as entertaining, fun or also done with the aim to improve the achievement. Running Area Jogging track can represent the meaning of theory according to Dwiyo (2009: 11) understanding of the sport above, exercise is a physical activity performed with the intent to maintain health and strengthen the muscles of the body, one such sport jogging or walking. Activities in its development can be done as an entertaining and fun activity.



**Figure 6.** Activity in Arcamanik Sport Center, 2017

Photo above shows the number of people who are jogging in Arcamanik Sport Center area. In addition, there are other activities such as bicycling or doing gymnastics and zumba exercise. Sport activities in Arcamanik Sport Center is not just jogging, but a lot of sports that have been provided to support community activities in sports.



**Figure 7.** Bicycling Activity in Arcamanik Sport Center, 2017

Zoning of Transformation Arcamanik Sport Center from year to year underwent a significant change. Initially, it was rice fields then developed to be built housing. Zoning of Transformation in Arcamanik Sport Center underwent a second change with new functions and forms but did not change the initial function of Buildings and Environment Plan of Bandung. So this zoning of transformation can be declared good and true as it follows the rules and finishes the Arcamanik Housing concept as a sports-themed housing. Arcamanik Housing which has the theme of sport housing increasingly supports the needs of the community with the new Arcamanik Sports Center. This function is in accordance with Law Number 26 of 2007, Article 20 paragraph 1 letter f and Article 36 paragraph 2 and Buildings and Environment Plan of Bandung 2011-2031. The zoning of transformation in Arcamanik Sport Center has a huge impact on people around the housing.

The conclusion of the analysis result proves that there is an influence on the changes or transformations of the Arcamanik Sport Center and its surroundings. Where the greatest impact is sport activity increasingly higher at the Arcamanik Sport Center. Changes or Transformation of Arcamanik Sport Center brings a good change to the culture and behavior of society, community or citizens Arcamanik itself or citizens of Bandung. In accordance with Rapoport's theory (1967) about the influence of changes in the physical environment, culture and behavior. At the point of 'environmental determinism' is the view that the physical environment affects human behavior' seen from the beginning changed the Arcamanik Horse Racing Track into Arcamanik Sport Center affecting the lifestyle of most citizens of Arcamanik changed to perform regular sports activities or regular (weekend only).

This can improve the health of Arcamanik citizens and the surrounding population. Health has become one of the most important factors of housing development, World Health Organization (WHO) data in 2016 shows 19.5 million people worldwide die from cardiovascular disease or 31% 56.5 million deaths worldwide. More than 3/4 deaths from cardiovascular disease occur in developing countries including Indonesia. Factors that cause it are activity and lifestyle which are not good, lifestyle formed from the planning or design of unhealthy housing for example, housing does not provide pedestrian area that makes the housing community should use private vehicles. So that the movement of society is reduced. Sports area facilities are very important to support health. Therefore, residential planning and design should facilitate the sport area, at least for pedestrians and roads for cycling. Hence, public health awareness increases. The location of the study site has been the WHO recommendation to provide sport facilities in Arcamanik housing so that sport activities in Arcamanik Sport Center area and the surrounding area increases.

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