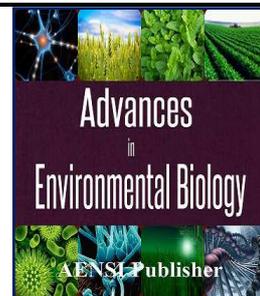




## Advances in Environmental Biology

ISSN-1995-0756 EISSN-1998-1066

Journal home page: <http://www.aensiweb.com/AEB/>

## Consideration Conceptual Between Tokyo and Central Java Park

Edy Darmawan, Suzanna Ratih Sari and Adhisti Samsinar Enis

Architecture Department, Engineering Faculty, Diponegoro University, Semarang, Indonesia

### ARTICLE INFO

**Article history:**

Received 10 November 2015

Accepted 22 December 2015

Available online 30 December 2015

**Keywords:**

consideration, conceptual, park

### ABSTRACT

The best approach for Urban Designing are social aspects with related to urban spaces available. According of planning regulation every urban places must be available 20% greenery. The conceptual of park in Tokyo and Central Java are different characters, the larges, activities people, infrastructure, fuction, aesthetic element, public transport, law enforcement and behaviour. Those aspects would be compare between parks of Tokyo and Central Java. For researching the park we use qualitative comparative method by investigation of the field, interview with people, research of infrastructure and many aesthetic accessories. Finally the expectation will be known the each characters of the both.

© 2015 AENSI Publisher All rights reserved.

**To Cite This Article:** Edy Darmawan, Suzanna Ratih Sari and Adhisti Samsinar Enis, Consideration Conceptual Between Tokyo and Central Java Park. *Adv. Environ. Biol.*, 9(27), 437-443, 2015

## INTRODUCTION

In the middle of the town crowded vehicles, the urban park is very important role of publics characteristic. At general, it have a function of social interaction communities, economic low society people in the developing countries, and cultural appreciation places. In direct the economic value that's offered to the investors not promised profit financial, therefore they are not wished the capital to develop at the public places. It's not probable gotten the big taxes to the low society vendors at that public area, the power financial of vendors at the developing countries are very low. It's important to think about corporate well between private businesses and the government at the developing country. The compensation between the big project and the maintain of public spaces near by.

The greenery design of town spaces is important available, the local government have to used the empty land to planted trees and created greeneries garden. The pedestrian street and area have to increased the function. The function of pedestrian street are unusable, because changed the functions of vendors and it's not accessible for diffable included elderly. It's occurred in Indonesia even though the regulation for accessible available already. Public transportation is important for decreased the crowded vehicles at the streets. It's increased the quantities and qualities of public transportation. It also decreased the air town pollution. It's needed to socialized to people to use public transportation any time. Even though for using public transportation are a lot walking up and down in the train station in Japan, but all people proud with the public transportation. The equipment are really wright and cleaned and cheapest relatively. Back to the park discussion, that every town in Indonesia that have 20 % area of the whole town, and according to the regulation it will given the punishment to the local government who haven't at least than 20% greeneries. All the local governments are thinking their town to consider it. Urban forestry is effective as a lung town, decreasing pollution, leisure's and the wild bird nature. The park must not located at center of town, it's put in the conurbation area in the beginning but transportation is important. It's suggested in developing countries as like Indonesia its managed by private investors and its charged the money. Also it's needed evacuation areas fot it's happened the earthquake or others as public service. Basically the functions of park area interaction of public area, communication area, relaxation area, sport field areas and jogging tract, informal sector operation, urban lung area, filter of urban pollution [1].

The park area that interested will attracted publics to visit it. They are different of economic society, different ethnics, education, age different, motivations, the different needs. But the public spaces basically are

**Corresponding Author:** Edy Darmawan, Architecture Department, Engineering Faculty, Diponegoro University, Semarang, Indonesia  
E-mail: [edy\\_darmawan@yahoo.com](mailto:edy_darmawan@yahoo.com)

three essential characters, here are *Meaningful* means it can give a meaning for communities of individual or a group, *Responsive* means all facilities responsible to the willingness's of activities people, and *Democratic* means is welcome for anybody without discrimination [2]. Who are they can use the public spaces individual or group. The freedom of community activities have to arrange seriously, it's emphasized the traffic circulation, parking for any vehicles, and vendors activities. The democratic freedom doesn't mean the freedom without arrangement. In the research of Semarang City at rendezvous point of round about Simpang Lima indicated that pointers are going well. And it's needed the balance of good arrangement at the place.

The problems of town public spaces are at the detail design it's not concerned the immeasurable criteria's that paid attention the role of communities seriously. So that the result of design according to willingness the town people and the comfort for themselves. At the design it's never to the maintenance and management of the future. It's not created the aesthetic designed and the complicated shape only, it will made difficult for maintaining. How to manage the maintenance system, maybe to develop cooperate participatory between government and communities, especially in developing countries. There are a lot of unused small and large lands that are used for park as public space at the town area optimally. It's needed to increase the qualities of town and improved to public motivation cared to environmental of town space. Circulation had an important impact in the structuring, forming, directing, and set the pattern of activity at the town hall [3]. Accessibilities in developing countries as like Indonesia is not emphasized for diffables. The movement of them are limited, it's not accorded to willingness to go anywhere themselves.

## 2.0 Literature Review (*The Aspects Of Conceptual Consideration*):

The discussion will considered many aspects of parks, in Tokyo however in Central Java-Indonesia. For looking over hole of the parks it's needed the general concepts of them. Such as planning and design and how the infrastructure condition and available of the parks. The functions must be considered the larges of them, and the activities of people however the government. Moving elements in the city, and in particular the people and their activities are as important as the stationary physical parts [4]. The aesthetic elements is important to the performance for attracting the people who come the place. Architecture is the art, which combines expression, technology, and the satisfaction of human needs. Its purpose is to make places where people feel more human, more alive, more fulfilled [5].

The public transportation indirectly influenced to the direction of parks, and the easy to arrive the places. The behavior of people also an important thing for maintains the parks, and cares the place as sense of belonging [6]. For making safety and security well is needed the law enforcement to stand up strictly. That are the aspects are considered for the both parks. Human influence or change the environment and the environment (architectural determination) will affect human behavior [7].

For comparison of each park are needed to define the requirements of the aspects of parks generally. Here is the requirement tentatively:

### 1. *Planning and Design*:

It's created planning of the shape of structure of out line the park, the consideration of attract entrance to the location and how the dynamic accessories of the park. How far the shape designs of elements of them.

### 2. *Infrastructure*:

It's available the facilities as like toilets, foods and drinks store, parking of bicycles, motor cycles and cars. The condition of street as well as drainages.

### 3. *Larges of Park*:

How far the large of the park can given leisure for people.

### 4. *Function of The Park*:

Weather the park is needed the people function as like relaxation of the families, communication of couples, playing for younger, sports and sightseeing. Or it has a function for town lung, for filter of town pollutions of air and voices from vehicles, ceremonial of the government.

### 5. *The Several of Elements Aesthetics*:

How far, the aesthetic shape of elements and the material of it such as the sculptures, signages, grass of greenery or ground covers of gardens and trees.

### 6. *Behaviors Communities*:

All facilities are maintained very well, anybody cared of them, and people have never done out of order at the part facilities.

### 7. *Public Transportation:*

The transport is important as optional to choose for public. If all people used the cars, that very difficult to arrange the parking load. Public transportation is the good choice for decrease the crowded vehicles at the street and parking available facilities.

### 8. *Law enforcement:*

The law enforcement is very important for every countries, all of the problem have to give a punishment to every body who doing mistaken. The compromising is making a bed condition for people.

### 3.0 *Methodology:*

The objective of this research is consideration conceptual between Tokyo and Central Java park. In achieving the objective above, this research then was conducted under qualitative research method by investigation of the field. It is used to describe and give detailed information about condition of park. Qualitative methodology attempt to organize the various genres or approaches into categories or strands; this can be useful for the proposal writer, who can situate his study within one of these strands [8].

The data were collected through observation, interview, and documentation. Observation was conducted by viewing the surrounding area of park in the Tokyo and Central Java. Research of infrastructure and aesthetic accessories and finally the expectation will be known the each characters of the both.

## RESULTS AND DISCUSSION

The data collected from the interview, questionnaire and visual inspection will be analyzed and discussed.

### 4.1 *Conceptual of Tokyo Park:*

The planning and design of parks in Tokyo basically is not according to something event of the government. It's freedom creative how the design becomes comfortable. The shapes are usually made a round, in order people did not have image to reach one place to an other. Visitors are not walked around tired. The streets made a good of asphalt mixed and drainages in the left and right side were closed. It's just the little hole for water rain. The drainages are not looked by people; it's cleared and good looking. The parks were around shapes, it's dynamic with the trees according the line of the street, it made beautiful vista, and it's supported by elements well. We will know about our position, because the map put at many places the crossing points of the streets.

Most of parks have many entrances, people can enter the park at the main entrance or side entrance as well. The park as like Hikarigaoka park (Figure 1) have an introduction street with trees and building facilities at right and left side long the street. Before arriving the introducing space with bridges with the sculpture gate at the middle side at the place. At the both bridges everyone can sightseeing the street below the bridges. Some time the visitors can go down to the street by stairs. This train and bus is important public transportation to find the park. Usually the main entrance with plazas held the bazaars. It attracts peoples that near by their houses, it parked their bicycles, and the manager available of those. At the open space of the main entrance usually put the gardening or flower pots with nice arrangement as like also at Mizumoto Park (Figure 2). The appreciations are hold at the open space for attracting people watched the music performances or traditional one.



**Fig. 1:** Hikarigaoka Park.

The infrastructures such as toilet are very important for people it's related with the drinks and foods available at the restaurants or the drinks and foods stores, the parking for bicycle, motor cycle and cars. The toilets can find out at many places with divided two rooms, male and female. This facilities style is many various buildings. And they completed by the sink, urinary and water closet. They used the paper for water closet. Except water for sink and for toilet to through away the papers. Most of drainages were closed the streets as like mention before. The toilets always clean, there are the service cleaners at morning or in the afternoon.



**Fig. 2:** Mizumoto Park.

The park have the big large as like Toneri park which 70 Ha. The Shiba Park is larger than Toneri Park. It's very tired to walk around it, but people can sophisticate to walk down with a lot of town accessories, such as water fountain in the pond and many birds sanctuaries with nature of voices. It's wild flayed in the tree to other tree. It's like urban forestry. It can relaxing to seat that available at everywhere in park, especially at point of interest in the park, in the forestry of trees, in the pond with natural sitting groups material like woods. The structure of the park is separated between the sport facilities and the park. The edge of the spots field planted the garden and ground covers, also trees. It's usually put them at the main or side entrance at the edge of the park. It's looked the garden of right or left side of Yoyogi Park (Figure 3). The inner garden is not rare designed anymore except the Fuchunomori Park that made the garden beautifully and serious to arrange. The pond at the center or garden, it's the famous garden of Japan. People knew that Japanese garden is very nice performance. That pond is the point of interest with the main street those large about 10 meters and planted the trees at the right and left side.



**Fig. 3:** Yoyogi Park.

The function of the Tokyo Park is many various functions. The most function is leisure for their spare time and relaxing for families, communication of couples, playing for youngers, sporting for everybody. And the urban functions are for town lung, filter of the urban pollutions of air and voices from vehicles and also the ceremonial of the local government. Almost all parks at Tokyo have function as leisure peoples and families and also for sightseeing. It's proved a lot of trees and nice street for walking down. The communication of young and elders couples often used sitting group at the parks, it's proved many sitting group available at the park at the trees at the edges of the ponds. The street are wide large are used to play by children. Sport facilities available at every park in Tokyo. Weather tennis court, soccer fields, or baseball especially. It's have never empty everyday. Eventhough separated the places from the park as like Toneri Park, Yoyogi Park, and other. Beside that, the other functions for the urban are for urban lung, for filters of urban pollutions anf formal event hold by local government.

Point of interest is very important thing for publics. The park without appreciation or somethink interest will not transit longer by publics, such as Shiba Park that near by Tokyo tower. Anybodies attracted the tower than stayed at this park. Tokyo tower is having a power interest than the other. Beside it's the tall, it's have interesting of histories and many nice souvenirs there. Appreciation of the park is important to attract the people. Just a hard music or traditional performance with hard drums. At the holiday or national day, while people take a rest all, the park is fulfill with visitors of youngers and elderlies also the children will come the park, such as Yoyogi Park or at Harajuku sub district. It very poor that season is autumn near the winter season, the weather is very cold. The trees are not protecting people from the hot as like Indonesia. Accessories of urban signage's is made the town become a nice atmosphere, but a lot of them made the crowded atmosphere of the town as like in the center of the towns of Indonesia.

The public transportation is a good choice for decrease the crowding transportation at the cities, it can maintenance the environment from the urban pollution. It also the parking lord available is very difficult to find out the space parking at the city. People consider the operational of the private cars as like the taxes, the cost of parking, the jump in the street that un predictable on time at the place destination. For three elderly driving the cars is not comfortable and power of the bodies also low weaknesses, the cost for cars maintenances, weather

the petroleum's, oil for machine, and upperparts, also repairing are needed a lot of moneys. Therefore the public transportation is very cheapest. The trains or urban buses or taxies of crucial business are cheapest, simple and cleans. It made every body proud of the public transportation. The people also appreciated the time of public transportation, they on time and exact prediction. Going to the offices, schools, appointment to the other people are predictable the time.

The behaviours of the communities are very important for discipline and reputation well, they must be cared to their jobs and the tool equipments. The always do maintenance to their equipment very seriously. They were sense of belonging to their tool equipment and responsible to it. At the street the pedestrian are appreciated to walk by car drivers and opposite of them. At the stations, they went out first from the train and the other passengers entered the train secondly, beside they walked up and down at the right side for giving other passengers passed the stair spaces. All the spaces are going well any time, if they walked discipline each others, eventhough the stations have never sleep until 12.00 o'clock in the night. At the parks it's found out the disturbing graffiti at elements as like the wall, the stones, the steels, the streets or the sculptures, the statues and any various aesthetic accessories in the parks or gardens. It's not made to appreciate the creation of peoples. The behaviour of people has to given the warning and prohibition for doing that.

The law enforcement of the countries has to do strictly without compromised. All of people who have done the mistake have to give a punishment, whether the little or big mistaken. For examples, as like parked in the wrong places, and giving a punishment by traffic police without compromised, than the driver went to the bank for paying the money punishment immediately. They are many various mistaken who people done. The compromising is made a bed condition, and people done at the same kind of mistaken. The operation of amount many trains with the limited line tracks have to discipline of technical staffs. The behaviour of the staffs must discipline time, whether the technical staffs or others divisions have to a good behaviour, hospitalities, patiently and good working, because serviced many people, sometime they didn't know the direction train, kind of the train, the price for places, etc. Also the staff has to answer the direction of the parks. Because most people who went to the park were virgin direction from the station. Eventhough available the map of the park and who they stayed up position. But some body did'nt understand to read the plan of map.

#### 4.2 Conceptual of Central Java:

The planning of the all parks in Java located at the center of towns, near by the government offices and the big mosque of the towns. Usually the both facilities provided the squares. It's called Simpang Lima or it's mean five crossing, sometime more than five, maybe seven or six. The middle of crossing or round about it's located the park and it consist of greenery with grasses and the edges sometime planted of trees. Because the government used the parks for ceremonial events generally. The design limited of the edges such the pedestrian tracts for jogging in the morning, and operated for vendors in the evening and night, sell the traditional drinks and foods, the wearing and toys, and also rent the small cars for children. Added the sitting groups with many various shape designs, the lamps for lightings and the ground cover sequences for making the aesthetics accessories environment also the trees. Even the vendors exited at the streets for operation, and people crowded the street for communication, chitchatting with their pier, of course it made trouble for the vehicles. Sometime the places for vendors available for them with line by paving block, but the amount over capacities, they stayed the other places or at the streets. They will make dirties at anywhere and no drainages well available. Figure 4 shows the park in central Java.



**Fig. 4:** Park in Central Java.

Infrastructures at this parks such as toilet surrounding the area are not available, many people felt trouble to find out the toilets, usually go to the offices or the toilet that far from the parks and given the charge 1000

rupiahs or 10 yen for once. The open drainages available at the around it, and it's not necessary to the waist water of vendors. Even the raining comes down strongly. The parking lords are not available, it's can use the open spaces of the offices that it's worried by owners about the thief or securities problems. The parking on street available but limited area. Like wise the motor cycles that limited area for parking, it's put their motor cycle any where we want. That also made some problems of traffics. Sometime vendors made out of order the pedestrian tract because it's stand up the tent not well.

The large of the parks average 1 Ha or little anymore. It's difficult to develop urban forest, or trees surrounding the park, the square is used for traffic going well. Beside for the ceremonial event by government anytime, it's used spaces square grass or paving blocks. At the places, advertisements board is many, and not limited dimension and places. It's put it at the building with bigger than it. Sometime it closed the vista of town street, because it put in the middle of the street. The advertisement board is not limited dimension and located undeterminant.

The functions of the square park at Java just the same with Tokyo Parks such as sport for the young people but not standard of size available, and without line. For jogging tract in the morning at the pedestrian area, but the tract shape is square, it's also communication for people couple in the grass square, relaxing for people but difficult for diffable and elderlies, because the pedestrian street are unaccessible. The appreciation often holds at the square such as music and dances. If the audiences fulfill the square, it exited until the street areas and made the traffic stopped, especially dangdut music or traditional music of Indonesia that loved by peoples. Like wise the young po music that famous in this Indonesian country. Usually the government has an escape street for way out the vehicles going out of the trouble jump, such as the link side the park.

The element usually put at the edge the square such as shape of sitting group or the pots trees with seat size dimension for take a seats while sightseeing, the statues, or sculptures with any kind of shapes, of course the grass greenery of the park. The ground cover usually put at the around area. Basically, it's difficult made the urban forest because the limited area. The trees can put at the corners of the park area for leisure the people in the afternoon especially, course hot of the weather or it's used seat at the night while eating something foods as like soup with meat ball its called "bakso" that popular for Indonesian people, or drink end mixed is. The shape of signage's here are not developed very well, it's still ordinary such as the map with the pipe column, the direction signage's also with the iron pipes, it's needed to create the aesthetic design.

The public transportation is not developed here. The other one aspect that the public transportation is not very well condition and the time is not prediction. The second aspect is not given a proud for people. The private transportation is more a prestigious one, beside the time are predictable and it can go any where without walked down until on the parking area. The parking area cost is usually cheap for people. The many expertise said that public transportation is better than private transportation, and the government very hard for big moneys to build the construction for the equipment public transport very well. In the beginning, the head of people government give an example to derive the public transport, but after that they drive a very good car.

It can not say the Indonesian people behaviour is not recompensed, but we can compromise to some problems when it has any mistaken. It's depend on the people how to do well. It's done a mistaken on street and someone compo promised of a freedom, it's possibility, but the happened are not anymore. It's needed many securities watched the wrong behaviour of people. The most important are the maintenance of the public facilities. The law enforcement is done strictly for giving the punishment. The people will not do the same kind mistaken, because they worried the punishment.

Based on the description of the condition of the existing parks in Tokyo and Central Java in the previous section, Table 1 shows the comparison of each park, with the following the grade of mark the 5 point is very good, the 4 point is good, the 3 point is middle, the 2 point is low, the 1 point is bad.

The score requirements that not more than 30 are needed developments and the description is written *developed*. It mean needed the development of the requirements of the aspects. The score are more than 30 point are needed to maintained of the aspects that related the elements and always make an innovative planning and design. The behavior that related with public transportation also needed innovative development of qualities and to the carried out the parks. At the Central Java, the large of the park is very hard to exit the lands, because the land ware crowded already. It's depend on the local government policy to developed the parks. It's needed to brave the finding lost spaces, that statement of Roger Trancik in his book on Finding Lost Space topic. It's needed to innovative planning and design absolutely. About infrastructure, local government have to understand of how the public services. Public facilities are important for maintaining the cities such as nice toilets and cleaning and pedestrian area without changing the function. This behaviour is needed to socialize well, because the town is looked beautiful vista. The law enforcement has to stand up at the communities. The publics compromising have to delete at the communities, it's in order to change the public behaviour and urban discipline.

**Table 1:** Comparison Each Park.

No.	Activities	Tokyo Parks							Total Score	Description
		I	II	III	IV	V	VI	VII		
1	Planning design	5	3	5	5	5	3	5	31	Developed
2	Infrastructure	5	4	5	5	5	3	4	31	Developed
3	Large	5	5	5	5	5	5	5	35	Developed
4	Fucntions	5	5	5	5	5	5	5	35	Developed
5	Aesthetic elements	5	5	5	5	5	4	3	32	Developed
6	Public transport	5	5	5	5	5	5	5	35	socialized
7	Behaviour	5	5	5	5	5	5	5	35	Socialized
8	Law enforcement	5	5	5	5	5	5	5	35	Socialized
Total Each Park		40	37	40	40	40	35	38		Socialized
No.	Activities	Central Java Parks							Total Score	Description
		I	II	III	IV	V	VI	VII		
1	Planning design	3	4	4	3	4	3	4	25	Developed
2	Infrastructure	3	4	3	3	3	3	4	23	Developed
3	Large	2	3	2	3	3	2	3	18	Developed
4	Fucntions	4	4	4	3	3	3	4	25	Developed
5	Aesthetic elements	3	5	5	3	3	3	4	26	Developed
6	Public transport	3	3	2	2	3	3	2	18	socialized
7	Behaviour	3	3	3	3	3	3	3	21	Socialized
8	Law enforcement	3	3	3	3	3	3	3	21	Socialized
Total Each Park		24	29	26	23	25	23	29		Socialized

**Conclusion:**

The requirement of 8 aspects above are general problems, it still anymore with details problems. How about rubbish boxes, how the processes of throughway from housing, industries, or publics facilities. How the systems of it. Some time publics rejected the places near by them, problem of smells, and how the modern system with incineration, it's expensive about the funds. Many problems about that and needed thinking and awareness are of publics. The maintenance of garden or park, who will clean it every time, all the businesses by the local government are heavy, it's needed corporate well with the private businesses and public. Recently who are the responsibilities of the management of public service facilities are thinking for developing countries, it's not profitable anymore.

**REFERENCES**

- [1] Darmawan, Edy, 2005. *Analisa Ruang Publik Arsitektur Kota*. Semarang: Badan Penerbit Universitas Diponegoro.
- [2] Carr, Stephen, 1992. *Public Space*. Cambridge: Press Syndicate of the University of Cambridge.
- [3] Shirvani, Hamid, 1985. *The Urban Design Process*. New York: Van Nostrand Reinhold Company.
- [4] Lynch, Kevin, 1960. *The Image of The City*. Cambridge: The Technology Press & Harvard University Press.
- [5] Heimsath, Clovis, 1980. *Behavioural Architecture*. New York: McGraw-Hill Book Company.
- [6] Darmawan, Edy, 2009. *Ruang Publik Dalam Arsitektur Kota*. Semarang: Badan Penerbit Universitas Diponegoro.
- [7] Boedjo, Poedio, dkk, 1986. *Arsitektur, Manusia, dan Pengamatannya*. Jakarta: Djambatan.
- [8] Marshall, Catherine and Rossman, B. Gretchen, 1989. *Designing Qualitative Research*. London: Sage Publications.