INTERIOR DESIGN CONCEPT OF
AQUARIUM AND AVIARY KBS
WITH MODERN SURABAYA LANDMARK STYLE

by
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Problem and Purpose of The Design

Identify the problem:

1. Keep using KBS as a corporate identity in planning the interior design.
2. There are facilities for Educational purpose such as touchanimal, so that people can feel the sensation of holding the animals directly.
3. The need of space requirements, structuring the display and circulation to an area of the aquarium and aviary KBS.
4. Bringing furniture and an attractive and interactive facilities in accordance with Surabaya Modern Style.
5. Bringing Surabaya Modern atmosphere styles to put in interior and in accordance with the purpose of zoo’s for conservation especially in aves and pisces.

Purpose of the Design:

1. Presenting an innovative interior with the concepts presented which equipped by educational facility.
2. Create a comfortable interior space in terms of visual and physical comfort for the user.
3. Knowing the needs of space, equipment and furniture required by the aquarium and aviary as one of the tourist education facilities in Surabaya.
4. Produce a study on the theme of sparkling Surabaya (Surabaya modern) that will be applied to the interior Aquarium and Aviary KBS.
5. The study of the application of Surabaya Modern Aquarium and Aviary KBS will be expected for increasing visitors to KBS in the future.
6. The selection of the new plan in accordance with existing requirements analysis based on maximizing the space with the lay out and the flow of circulation.
Definition of Theme

**AQUARIUM**
a vivarium which is placed in a place with a transparent side (of glass or high-strength plastics), in which animals and aquatic plants (usually fish, but can also be found invertebrates, amphibians, marine mammals and reptiles) stored and used for public display.

**AVIARY**
A large / small place to keep birds in a cage.

**INTERIOR**
field of science that aims to create a built environment (in the space) and its supporting elements, both physical and non-physical, so the quality of human life can be better on it.

**INTERIOR OF AQUARIUM and AVIARY KBS WITH MODERN SURABAYA LANDMARC STYLE**

**KBS - SURABAYA**
Zoo (often abbreviated zoo, the garden of the animals) or a wildlife park where animals are kept in an artificial environment, and displayed to the public, in the capital of East Java. The busiest city in east Java.

**MODERN**
Is a style of design that was created in the 1920s - 1950s. Has clean and streamlined look. The main driver of the modern style is the scientific advances in materials and technology used. This style is identified by a simple neat appearance in furnishing design.

**LANDMARC**
a statue or building which made to show the character of city / country / area

**STYLE**
a basic idea for designing something. In each post must have a theme, as in a writing should be encouraged to think about what the theme will be created.
KBS is an attractive tourist spot because of it lies in the middle of the city of Surabaya, between the bustle of the metropolis was still a place we can find a wide variety of animals that most commonly live in the wild, it can become a kind of benchmark for humans to while maintaining a natural balance in preserving wildlife and also for small children.

KBS aquarium zones that need some more attention in detailed interior touches in order to draw back visitors.
AQUARIUM DISPLAY

A place from glass acrylic to keep fishes in a place with its ecosystem such as plants, and etc.

MATERIAL

Glass panels bound together by a 100% silicone sealant, with a plastic frame attached to the upper and lower edges for decoration. Glass aquariums standard for sizes up to about 1,000 liters (260 U.S. gal).
Surabaya is the capital city of East Java province, Indonesia. Surabaya is the second largest city in Indonesia after Jakarta, with a population of metropolis that reach 3 million people, while the region Gerbangkertosusila (Surabaya Metropolitan Region) is Indonesia's second largest metropolis after Jabodetabek. Surabaya city is also a center of business, commerce, industry, and education in eastern Indonesia. Surabaya known as City of Heroes because history is taken into account in the struggle for Indonesian independence from the colonizers. The word comes from the story of Surabaya supposedly mythical battle between sura (shark) and baya (crocodile) and eventually became the city of Surabaya.
Existing Studies

Existing indicate that the location of the tank and the location adjacent birds and still in the area. Only the existing zones are in the area of indoor aquarium, and birds in outdoor
Existing Studies

Public area
Semiprivate area
Private area

A. Aquarium
B. Main Room
C. Staff Room
D. Toilet
E. Maintenance
Studies Comparatives

SEAWORLD and Eco Green Park

Seaworld : Taman Impian Jaya Ancol Jl. Lodan Timur No.7, Jakarta 14430
Eco green park : Located in Jl. Oro-oro Ombo No.9A, Batu. Phone: (0341) 512 525. www.ecogreenpark.co.id

Bird Zone at ECO GP

Bird Zone at ECO GP
The pisces inside the aquarium displays....

<table>
<thead>
<tr>
<th>a. Fresh Water Fish</th>
<th>Food</th>
<th>Character</th>
<th>Picture</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Arapaima Gigas, amazon</td>
<td></td>
<td></td>
<td><img src="image1" alt="Arapaima Gigas" /></td>
</tr>
<tr>
<td>Size : 4,5 meter</td>
<td>Carnivora</td>
<td>Individual</td>
<td></td>
</tr>
<tr>
<td>Life span : 20 years</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Arwana</td>
<td></td>
<td></td>
<td><img src="image2" alt="Arwana" /></td>
</tr>
<tr>
<td>Size : 2 meter</td>
<td>Carnivora</td>
<td>Individual</td>
<td></td>
</tr>
<tr>
<td>Life span : 30 years</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Zebra danio</td>
<td></td>
<td></td>
<td><img src="image3" alt="Zebra danio" /></td>
</tr>
<tr>
<td>Size : 6 cm</td>
<td>Omnifora</td>
<td>Groups</td>
<td></td>
</tr>
<tr>
<td>Life span : 6 th</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Aligator</td>
<td></td>
<td></td>
<td><img src="image4" alt="Aligator" /></td>
</tr>
<tr>
<td>Size : 2 – 2,5 meter</td>
<td>Carnivora</td>
<td>Individual</td>
<td></td>
</tr>
<tr>
<td>Life span : 14 th</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Piranha</td>
<td></td>
<td></td>
<td><img src="image5" alt="Piranha" /></td>
</tr>
<tr>
<td>Size : 43 cm</td>
<td>Carnivora</td>
<td>Groups</td>
<td></td>
</tr>
<tr>
<td>Life span : 25 th</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
The pisces inside the aquarium displays:

<table>
<thead>
<tr>
<th>a. Salt Water Fish</th>
<th>Food</th>
<th>Character</th>
<th>Picture</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Stingray</td>
<td></td>
<td>Carnivora</td>
<td><img src="image1.jpg" alt="Picture" /></td>
</tr>
<tr>
<td>Size : 2 meter</td>
<td></td>
<td>Individual</td>
<td></td>
</tr>
<tr>
<td>Life span : 20 tahun</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Moa</td>
<td></td>
<td>Carnivora</td>
<td><img src="image2.jpg" alt="Picture" /></td>
</tr>
<tr>
<td>Size : 2 – 3 meter</td>
<td></td>
<td>Individual</td>
<td></td>
</tr>
<tr>
<td>Life span : 15 – 20 th</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Clown fish</td>
<td></td>
<td>Herbivora</td>
<td><img src="image3.jpg" alt="Picture" /></td>
</tr>
<tr>
<td>Size : 18 cm</td>
<td></td>
<td>Individual</td>
<td></td>
</tr>
<tr>
<td>Life span : 10 – 15 th</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Octopus</td>
<td></td>
<td>Omnivora</td>
<td><img src="image4.jpg" alt="Picture" /></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Individual</td>
<td></td>
</tr>
<tr>
<td>5. Wrasse</td>
<td></td>
<td>Herbivora</td>
<td><img src="image5.jpg" alt="Picture" /></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Individual</td>
<td></td>
</tr>
</tbody>
</table>
## The Aves inside aviary....

### a. Walking Bird

<table>
<thead>
<tr>
<th></th>
<th></th>
<th>Food</th>
<th>Character</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Merak</td>
<td>Seeds, fruits</td>
<td>Individual</td>
</tr>
<tr>
<td>2.</td>
<td>Ayam mutiara</td>
<td>Insects, seeds</td>
<td>Groups</td>
</tr>
<tr>
<td>3.</td>
<td>Bangau</td>
<td>fishes</td>
<td>Groups</td>
</tr>
<tr>
<td>4.</td>
<td>Ayam Bekisar</td>
<td>Insects, seeds</td>
<td>Individual</td>
</tr>
</tbody>
</table>

### b. Flying Bird

<table>
<thead>
<tr>
<th></th>
<th></th>
<th>Food</th>
<th>Character</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Parkit</td>
<td>Insects</td>
<td>Groups</td>
</tr>
<tr>
<td>2.</td>
<td>Pigeons</td>
<td>Seeds, fruits</td>
<td>Groups</td>
</tr>
<tr>
<td>3.</td>
<td>Cendrawasih</td>
<td>Insects</td>
<td>Individual</td>
</tr>
</tbody>
</table>
Interaction Matrix

Ruangan
Aquarium & Aviary KBS:
1. Entrance
2. Lobby
3. Toilet 1
4. Aviary
5. Toilet 2
6. Cafe
7. Musholla
8. Gift Shop
9. Theater
10. Aquarium
11. Toilet 3
12. Cafe Kitchen
13. Staff

Ruang Publik (pengunjung)
Ruang Semi Privat
Ruang Privat
Harus ada hubungan
Sebaiknya ada hubungan
Tidak ada hubungan
Room
Aquarium & Aviary KBS:
1. Entrance / out
2. Lobby
3. Toilet 1
4. Aviary
5. Toilet 2
6. Cafe
7. Musholla
8. Gift Shop
9. Theater
10. Aquarium
11. Toilet 3
12. Cafe Kitchen
13. Staff

- Public room
- Semi private room
- Private room

visitors

- Staffs