

WONOSOBO FOOTBALL TRAINING CENTER WITH A FUTURISTIC ARCHITECTURAL APPROACH

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Abstract: Football is currently the most popular sport in the world. Among the countries in the world, in Indonesia football is the most popular sport and Surakarta is one of the cities with high fanaticism for the sport of football. In its development, football is now not just a sport to nourish the body, but has become an entertaining sport that can be enjoyed and done by anyone. In addition, football has now led to a competitive match that requires a victory and achievement. Training facilities are used to shape the character of players so that later they can excel and can improve the quality of a professional football club. So the existence of a Wonosobo Football Training Center in Wonosobo is very important. This is closely related to the coaching and training process of a professional football club. The representative and complete facilities of the Wonosobo Football Training Center in Wonosobo are one of the benchmarks and mirrors of the professionalism and progress of a football club. the method used is the method of applying the architectural approach in architectural design. Design analysis is carried out using contextual and textual analysis. The Wonosobo Football Training Center area planning in Wonosobo uses a futuristic architectural design. By applying the elements of football which are then transformed into appropriate building forms by applying modern buildings and the use of modern materials by emphasizing the design of free, flowing forms and spaces and avoiding planning norms that tend to be rigid and binding. So that it can support the expression of the building and can accommodate all activities related to football, especially proportional football learning.

Keywords: Football, Training, Center, Wonosobo, Architecture Futuristic

1. INTRODUCTION

Wonosobo, like several other districts in Central Java such as Magelang, Banjarnegara and Temanggung, has enormous potential for the development of football. The people have great enthusiasm for this sport. The proliferation of Football Schools (SSB), and the proliferation of football events that take place every year, from the official PSSI competition level to the tarkam (inter-village) level, are the easiest indicators that can be used as a guide (Bucher, 1985). What also cannot be ignored is the existence of Laskar Kolodete (the nickname of PSIW supporters) which can be said to be the largest mass concentration as clear evidence of the deep roots of football fanaticism in Wonosobo district.

On the other hand, ironically all this potential is not accompanied by the ease of accessing football-related facilities. Existing facilities are not representative enough to accommodate all the needs of football fans. The fans I mean are those who want to get the opportunity to practice and develop their football playing skills and who just want to actualize themselves in the world of football, for example looking for or exchanging information about

the latest football developments. These two categories of fans will be the "target users" of the designs I make. In Wonosobo there are many soccer training locations (SSB) scattered in several places including:

1. Bina Men's Football School
2. Satria Muda Football School
3. Wonosobo United Football Academy (WUFA)
4. Sportivo Football School

But there is no one that has become an orientation and reference center that can unite vision, control and become a barometer for football development (for young players). Apart from that, there is also no kind of community center that could be a place for referential studies or a place for gathering (communal space) among football fans. I want to organize all of this into a Football Training Center which can be accessed by all people in Wonosobo and its surroundings if necessary.

Nowadays developments in this district, which accommodates young football enthusiasts whose number is increasing every year (De Chiara, 1973). The desires and dreams of football players in Wonosobo district are increasing. This can be seen from the proliferation of (amateur) clubs and football schools (SSB) which exist to become professional footballers in the future, which may be the biggest source of motivation for them to join the clubs in Wonosobo. By facilitating the football facilities needed by the people of Wonosobo district, it is hoped that this will spur the achievements of the players so as to create players who are able to excel at both national and international levels.

Building a Football Training Center is something that needs to be done to improve the quality of football in Wonosobo in the future. The existence of football as the most popular sport and at the same time the most promising, is a logical consequence that needs to continue to be maintained and developed (Sardjono, 1981). Designing the concept of a Football Training Center or Football Training Center which functions as a center for training, education, coaching and research on football by applying a futuristic architectural approach so that it can support the expression of a building that accommodates educational and training facilities and facilities that can be used by football players as a means to forge quality, ability and expertise in playing football in the hope of improving player performance and the quality of local football. Training buildings need to pay attention to pedagogical aspects in the training carried out so that the building can function well. Different types of training require different spaces (Otte et al, 2020). It is necessary to create a design for a football training building that is appropriate to the type of training carried out.

2. METHOD

The methodology that will be used in the construction of the Wonosobo Football Training Center is competitive descriptive and data collection methods obtained from both primary and secondary data. The data collection steps are carried out in the following way:

- a. Study of literature
Literature studies are carried out to obtain theoretical foundations, design standards and planning and design policies through books, catalogs and other reliable written materials.
- b. Field Observation Study
Field observation studies were carried out in the Wonosobo city area to obtain data regarding strategic site locations as a basis for planning and building the Wonosobo Football Training Center.
- c. Comparative study
A comparative study was carried out to open up insight into existing building designs in several areas as a discourse in planning and building the "Wonosobo Football Training Center"

3. RESULT AND DISCUSSION

Location / Site

Wonosobo Football Training Center is located on the Wonosobo - Kertek highway, Kurahan, Sudungdewo, Kertek District. The location of the selected site which is easy to reach and not too far from the city can be used to attract visitors to come. In accordance with its function, this area is suitable as a football training area and can also be used as an open space for the community.



Fig 1. Location/Site

The selected site area is 40,000 m². The current condition of the site is empty and open land with land contours that tend to be flat and slightly contoured. Site boundaries include:

- ☐ North: Jalan Raya Wonosobo - Kertek, Kurahan, Sudungdewo, Kertek District, Wonosobo Regency
- ☐ East: Settlements
- ☐ South side: Rice fields / empty land for residents
- ☐ West side: Residential settlements

Based on the Wonosobo Regency Regional Spatial Planning (RT RW) provisions for building intensity are as follows:

- Site area = 40,000 m²
- GSB = 20 m from AS road to site
- KDB = $60\% \times 40,000 \text{ m}^2 = 24,000 \text{ m}^2$
- KLB = $(1.60 \times 40,000 \text{ m}^2) : 24,000 \text{ m}^2$
= 2 floors (maximum)

So, the selected land with an area of 40,000 m², while the building area is 24,991.615 m² and the remaining 15,008.385 m² is used for circulation and 30% green space (Standard Green Open Space 30 – 40%).

Approach and Concept of Functional Aspects

User and activity analysis discusses user activities in the building, activity patterns, and building/area operations. Types of activities are divided into 2 categories, namely managers and regular users as follows: (Neufert, 1996) (Sleeper, 1955)

1. Manager

The management of the Wonosobo Football Training Center is carried out by the private sector independently.

Table 1. Actors and Management Activities

USER	JOB
Director	Lead and manage the functioning of the Wonosobo Football Training Center building in Wonosobo Regency
Deputy Director	Assist the Director with duties
General manager	Manage general administrative matters
Head of Information + staff	Dealing with the problem of providing information both regarding football training and buildings.
Head of Services + staff	Dealing with issues regarding services provided.
Head of Building Maintenance + staff	Carry out building maintenance
Consumption Section	Provide meal services to residents, especially players
Engineering Manager	Dealing with technical issues related to football training activities
Assistant manager	Assists the Engineering Manager in his duties, replaces his duties if the Engineering Manager is absent
Coach Team	Develop and provide coaching programs to players
Medical team	Provide medical services to residents, especially players
Security	Provide security for users

2. Regular Users

Table 2. Activities of Visitors to the Wonosobo Football Training Center

USER	TUJUAN
Pemain	Mendapatkan kemudahan fasilitas dan kenyamanan dalam mengembangkan kemampuan diri
Pengunjung	Mendapatkan kemudahan dan kepuasan menyangkut kebutuhan akan informasi, rekreasi, dan aktualisasi diri dalam kaitan dengan sepakbola.

Space Size

Source for calculating space size

- Architects' Data, Ernest Neufert Standard
- Building Planning and Design Standards
- Motion Space Studies
- Comparative study
- Assumption

Table 3. Space Programs

	NO.	Ruangan	LUAS (M ²)
A		Training and Education Room Group	
	1	Outdoor Training	14.703
	2	Indoor Training	556
	3	sportshall	4120
	4	Medical Center	99
	5	R. Press Conference	20
	6	R. Football Equipment	50
	7	Player Dormitory	1609
	8	Warehouse	20
			21.165
B		Information Space Group	
	1	Information Room	309,62
	2	Football Development Display Room	170,4
	3	Discussion Room	186,12

	4	Copy space	16
	5	Changing rooms, lockers, employee attendance	15
	6	Pantry	4
	7	Warehouse	20
			705,14
C		Management Space Group	
	1	Common Living Room	32,5
	2	Director's Room	49,5
	3	Director's Living Room	30
	4	Deputy Director's Room	49,5
	5	General Manager Room	23
	6	Head of Information Room	13,5
	7	Information Staff Room	27,5
	8	Head of Services Room	27,5
	9	Building Maintenance Head Room	13,5
	10	Building Maintenance Staff Room	27,5
	11	Engineering Manager Room	23
	12	Assistant Manager Room	13,5
	13	Meeting room	40
	14	Waiting Room / Lobby	32,5
	15	Archive Room	6
	16	Changing rooms, lockers, employee attendance	15

	17	Pantry	4
	18	Male lavatory	7,32
	19	Women's lavatory	7,28
	20	Equipment Warehouse	12
			468,1
D		Support Room Group	
	1	Security Room	18,75
	2	Parking space for buses, cars and motorbikes	1842,5
	3	Plaza/ Main Hall	150
	4	Receptionist	6,825
	5	Lobby	120
	6	Cafeteria	189,9
	7	Football Shop	235,2
	8	Changing rooms, lockers, employee attendance	15
	9	prayer room	60
	10	Men's lavatory	22
	11	Women's lavatory	18,4
			2.653,375
JUMLAH TOTAL			24.991,615

So the total land area required for planning and designing the Wonosobo Football Training Center is a minimum area of 24,991,615 m² / approximately 2.4 Ha²

Building Shape and Mass



The combination of the building mass was carried out with selected site media, with the main consideration being the public view towards the site. The approach was taken with consideration: attracting public attention and then inviting the public to enter the planned Wonosobo Football Training Center.

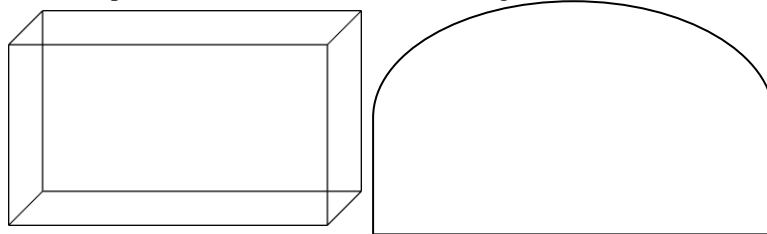


Fig 2. Building Geometry

Futuristic Concept Aspect Analysis

What will be used in the Wonosobo Football Training Center building with a futuristic concept is the building facade. Guidelines for planning buildings in this area refer to several things, namely: (Jenks, 1977)

1. The shapes obtained are not just certain shapes, but free forms that are deconstructed.
2. Taking advantage of advances in the technological era through structures and construction using deconstructed structures.
3. Using pre-fabricated materials and new materials, such as aluminum steel glass, etc
4. Emerging new forms of architecture that are analogous to the seasons, meaning forms that cannot be predicted beforehand, dynamic as a consequence of change.

Planning Results

The planning results can be seen in the following image:

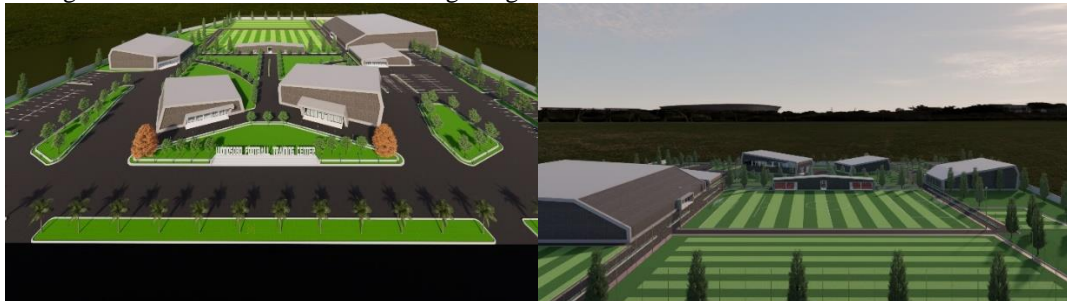


Fig 3. View of the building

Image of the outside of the building with a futuristic architectural approach.



Figure 4 Image of building interior

The picture above is a picture of the interior of the Wonosobo Football Training Center area building.

4. CONCLUSION

The Wonosobo Football Training Center is intended as a place where various learning, training, education, coaching and research activities are carried out on football which are carried out at a certain time, and occupy the facilities designated for these activities with the aim of increasing player performance and the quality of football. itself and also as a recreation area for other visitors. With the use of the Futuristic Architecture Concept which gives a different impression from visiting the Wonosobo Football Training Center area. It is hoped that it can give an impression that will make people interested, with a new design that is easy for people to understand.

The facilities in the Wonosobo Football Training Center area include Outdoor Training, Indoor Training, Sport Hall, Medical Center, Press Conference Room, Football Equipment Room, Dormitory, Information Room, Soccer Library, Football Development Display Room, Discussion Room, Conference Room, Management Building, Football Shop and also Cafeteria which can meet the needs of visitors and regular users inside. The location of the Wonosobo Football Training Center is close to educational and economic facilities, which has the potential to become a strategic area in Wonosobo district.

The Football Training Center in Wonosobo or the Wonosobo Football Training Center is expected to be a commercial educational building that promotes progress in the field of football. Education is intended to build a Football Training Center or Football Training Center in Wonosobo, this will not only train and form local athletes who master football theory and skills, but will also excel in football sports events, of course, carrying the name Wonosobo district in particular. Meanwhile, commercially it is intended that the building of the Football Training Center in Wonosobo is expected to be able to finance its own needs, both in terms of facilities and infrastructure as well as technical and non-technical matters. It is intended that the Wonosobo Football Training Center or Football Training Center in Wonosobo can be independent, maintained and maintained its stability.

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