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ANALYSIS OF PHYSICAL ASPECTS OF MEDAN TELADAN STADIUM RENOVATION

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Abstract. The feasibility study of the Renovation of the Medan City Exemplary Stadium is to obtain a Foundation of the Planning and Design Program regarding the Renovation of the Exemplary Stadium in the City of Medan that meets the community's need for football as a nationally viable sports facility. The Feasibility Study of the Medan City Exemplary Stadium uses quantitative descriptive research, while the data used are primary data and secondary data. The Feasibility Study Method of Exemplary Stadium Renovation Planning to explain the design requirements (design needs) and design determinants related to the planning and design of the Exemplary Football Stadium. The analysis carried out is the physical analysis of the Medan Exemplary Stadium. As a result of the feasibility study of the renovation of the Teladan Medan Stadium, the physical condition of the Teladan Medan Stadium, the existing facilities, and infrastructure have been damaged and some are no longer functioning. And based on existing infrastructure problems, the renovation plan for the Medan Exemplary Stadium is very feasible.

Keywords: Medan Exemplary Stadium; Physical aspects; Renovation.

INTRODUCTION

Exercise is one of the human activities to maintain body fitness. In the development of sports in Indonesia, the presentation of public interest in sports can be said to be quite high. As we know, the type of sport that is most popular or in demand by Indonesians and even in the world today is football. To improve the development of sports in Indonesia, it is necessary to have facilities that can accommodate these sports activities.

Stadiums are the most important means of the sport. As an entertainment arena for football fans, the stadium must be able to provide comfort and safety for spectators, players, and managers following stadium building planning standards.

Medan City is the capital of North Sumatra Province which has quite a good potential in the field of football. In its development, people's interest in Medan city towards the development of the sports world tends to increase. However, the increase in public interest in sports itself is not balanced by an increase in the quality or quantity of sports facilities in Medan City, especially the current football field facilities, namely the

Teladan Stadium. There is even a tendency to decrease the quality of sports facilities due to a lack of maintenance.

Thus, the renovation of the football stadium in Medan City needs to be carried out. The renovation of the Teladan Stadium is expected to be an effort to meet the needs of football development in the Medan City area. This stadium will also be able to meet the demands of modern football which requires supporting facilities that are following eligibility standards and the existence of complementary facilities is also another attraction for the stadium.

The feasibility study of renovation in this regard was studied through physical aspects to obtain a Foundation of the Planning and Design Program regarding the Renovation of Exemplary Stadiums in the City of Medan that meets the community's need for football as a nationally viable sports facility.

LITERATURE REVIEW

A physical analysis is an analysis of the existing condition of the Development of the Area, which in this case is the Medan City Exemplary Stadium, including identifying problems with the condition of existing buildings in the Teladan Stadium area.

RESEARCH METHOD

Feasibility Study of Exemplary Stadium Renovation Planning Dhi Preparation of Feasibility Study of Medan City Exemplary Stadium uses quantitative descriptive research, while the data used are primary data and secondary data. The Feasibility Study Method of Exemplary Stadium Renovation Planning is to explain, elaborate, and explain the design requirements (design needs) and design determinants related to the planning and design of the Exemplary Football Stadium.

Feasibility Analysis of Medan City Exemplary Stadium Renovation is an analysis of the needs of physical stadium facilities and infrastructure that considers the coverage plan, sports events to be participated in and held, the types of sports that have been and will be developed (function programs and space programs).

RESULT AND DISCUSSION

It is an interregional/multi-branch stadium, with a Nieuwe Bouwen style. The structure is a concrete-ceramic floor, brick walls (formerly boards), a steel zinc-frame roof, and concrete stands (formerly boards). The stadium consists of towers, stands, ticket counters, pitches, and support rooms.

The land area is +3 Ha. The stands measure 125 m long (25 m x 5 segments), 15 m wide, 24 rows of benches, can fit 10 thousand (roofed stands) and 25 thousand people (without a roof), and are divided into public, honorary, and media stands, and there is a commentator's room above. The height of the tower is 35 m and at the same time, it is a landmark. The football field measures 105 x 70 m2. In the past, behind the goal, there was an athletic single field. And there is an athletic running track with a width of 8.25 m and a length of 414 m. There are 20 service/support rooms under the stands. Renovations have been carried out 4 times, the last time on January 15, 2007.

Physical Aspects

As one of the stadiums that became part of the history of Medan City, the exemplary stadium was once the proud stadium of the people of Medan. But over time the Exemplary Stadium was only crowded with visitors and surroundings when there was a match going on. The existing facilities available are damaged or insufficient in terms of quantity and quality, so they are no longer able to accommodate the needs of visitors. The lack of standards and capacity of spectators that can be accommodated and the excising conditions cause only local matches to be held in this stadium.

1. Topography

The topographical condition of the Teladan Stadium area is relatively flat, as well as the area around the area. This is an advantage because flat land conditions will make it easier to plan and implement physical development and civil engineering. So, from the topographical aspect, the renovation plan for the Teladan Stadium in Medan is feasible to be implemented.



Figure 1. Topographical Conditions of the Exemplary Stadium Area

2. **Road Infrastructure and Accessibility**

Teladan Stadium in Medan can be accessed from 4 sides. It is surrounded by Stadium Street which can be accessed directly from Sisingamangaraja street. This makes the Exemplary Stadium very strategic and very easy to access.



Figure 2. Road Infrastructure and Accessibility

The road sections on all four sides are also secondary local road lanes with a width (of 8-10 m). It is equipped with a pedestrian path around the stadium that is currently used by street vendors selling at some point. Currently, the Teladan Stadium area does not have proper parking facilities. Although parking lots have been facilitated inside the east stand

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building, visitors still use the shoulder of the road and sidewalks as parking lots. Especially at the front on the outskirts of the road between the stadium and the park. This is because the parking lot located on the east stand is inconvenient and does not meet the standards of the parking lot. So it can be concluded that the Teladan Stadium parking service is not adequate in comfort and safety, and also has not been able to accommodate the needs of visitors.

3. Condition of Existing Infrastructure for the Exemplary Stadium Area

Researchers of the Feasibility Study of Exemplary Stadium Renovation Planning have surveyed several locations of the Medan Exemplary Stadium related to the condition of the existing infrastructure of the Teladan Stadium Area which can be seen in the following table.

Table 1. Existing Infrastructure for the Medan Exemplary Stadium Area

Tower Buildings – Cultural Heritage Buildings



It is visible in unwanted condition and there is some damage to the sides of the Tower.

Tribune





In the spectator stands, there was quite severe damage

Jogging Track





Football Field





The pavement on the jogging track has been damaged quite badly. Even when it rains there are puddles in some places in the track area.

Football Field Lawn does not grow evenly.

Public Bathroom/Toilet



The public bathroom/toilets in the area of Teladan Stadium were damaged quite badly. Even the plumbing system and the existing drainage system are no longer working.

East Tribune Parking Area



The parking area is very unwanted and very dirty, deserted and unused because it does not follow the standards and is difficult to use.

Exterior Condition of the Building



The condition of exterior shroud of the building looks unkempt and has been damaged in some parts.

Interior Condition of the Building



The condition inside of the building looks poorly maintained and has damage in some parts.

Source: Survey Results, 2022.

Based on the results of a survey of existing infrastructure in the Teladan Stadium area, it can be concluded that improvements and even changes are needed so that they can be enjoyed by visitors to the Teladan Stadium. And therefore the renovation plan for the Teladan Stadium is very feasible so that the role of the Teladan Stadium as the proud stadium of Medan City can be returned and optimized.

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CONCLUSION

Based on some of the results of the analysis that has been carried out in the previous chapter, it is concluded that the physical condition of the Medan Exemplary Stadium the existing facilities, and the infrastructure have been damaged and some are no longer functioning. There are even parking lots that are inconvenient and do not meet the standards of parking lots in general. And based on existing infrastructure problems, the renovation plan for the Medan Exemplary Stadium is very feasible.

The suggestion in the feasibility study of the renovation of the Teladan Medan Stadium is that it is necessary to prepare a better area management plan so that the assets in the Teladan Stadium area can be maintained and can always function optimally.

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