

SPACE SAVING AND SUSTAINABLE FOR CYCLIST BY COMBINATION DESIGN AS CYCLIST FRIENDLY BENCH AT SUNGAI LEMBING, KUANTAN, PAHANG

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Highlights: Bicycle is an old traditional transportation in past of Sungai Lembing. Until now, cycling is still one of important transport and activity for local villagers and also cyclist lovers who visit Sungai Lembing by cycling from another places such as Kuantan. Although cycling is important in Sungai Lembing, but the facilities for cycling such as parking space are lacked, which caused cyclists have no idea to ensure their bicycle in safety. Cyclist Friendly Bench is created and proposed for cyclist in Sungai Lembing by combination of round wooden bench and cycling parking. The design created a resting spot for users, in the same time, created cycling parking with reduce spaces to propose another parking space.

Key words: cyclist, user friendly, innovation, local traditional, cultural heritage, transportation

Introduction

The design of Cyclist Friendly Bench is used to as a unique design by combination of 2 uses which are usually used and important in the site, such as local own traditional transportation, bicycle, and also the needs of tourists, resting spot. With these 2 needs by 2 main users in Sungai Lembing, the combination may bring the opportunity of interaction of local people with tourists, since the tourists also as important customers for local people as their main economic incomes. Bicycle Friendly Bench mostly located at the historical commercial shop-houses area in Sungai Lembing. It encourages the cyclists to easy to rest their bicycle safely and visit inside the shop houses. The bench is proposed under the existing big shade tree which provided nature low sun exposure resting spot.

The advantages of Cyclist Friendly Bench are space saving which reduce the space need by combine 2 functions into one element, create gathering spot by attracting both functions' users in one space, and eco-friendly materials which used by wood and stainless steel as main materials for the design. For the advantages to local people, the space saving created by the combination of both bicycle parking facility with round design bench for reducing space and easier use for users. Main materials used are mainly in Cengal wood for bench seat which have water proof function and also create nature sense to merge traditional old style in Sungai Lembing. Bicycle rack and bench support used in stainless steel to ensure the endurance and hardness for protection. For tourists' advantage, the bench design helps to create a gathering sense especially for cyclists for resting in the same time it also formed a node in the space. With these advantages, Cyclist Friendly Bench will create a strong local image and lifestyle in Sungai Lembing.



Figure 1.0: Design of Cyclist Friendly Bench

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