

ABSTRACT

The number of cyclists in Bandung has been increasing in recent years. This is due to several factors, one of which is the campaign to switch to using bicycles carried out by the cycling community in Bandung as an effort to reduce pollution and congestion. The Bandung cycling community has a regular agenda every weekend, which is to “gowes” and gather in a semi-public space. As the number of community members increases, there are often some problems in the parking area. For example, not all bicycles are parked in the facilities provided. This happens because of the limited parking space owned by the venue, the type of bicycle racks used are triathlon bicycle racks by hanging the saddle on the pole which is considered unsafe, and the limited capacity that can be accommodated by the bicycle racks. Based on this, this research aims to examine the problems found in the use of triathlon bicycle racks with hanging systems. Furthermore, the research will produce recommendations for the parameters of bicycle racks that are suitable for the 3 case study sites. This research utilizes qualitative analysis and case study comparison matrix to find suitable recommendations. The results show that triathlon bicycle racks are not suitable for use as bicycle parking facilities placed in semi-public spaces. Recommendations for bicycle racks parameters for the 3 case study sites include that they can be used by various types of bicycles that use standard components, a tiltable tire support system can be adopted to save space and increase capacity, can be used by all users, are safe, and have adequate features if cyclists want to lock their bicycles using a padlock.

Keywords: triathlon bicycle parking, adaptation, cycling community, adaptable design