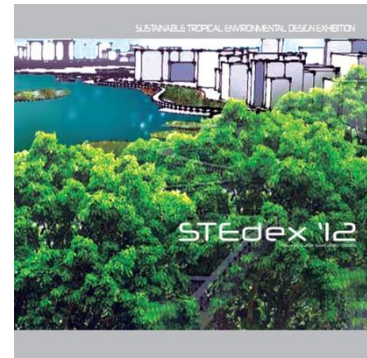


## **BOXXF (Motorcyclist Safety Compartment)**

*Sustainable Tropical Environmental Design Exhibition 2012*

<http://www.vlmp.upm.edu.my>



STEdex'12 – Raja Ahmad Azmeer Raja Ahmad Effendi, Hoo Jun Hui, **BOXXF (Motorcyclist Safety Compartment)**, *Sustainable Tropical Environmental Design Exhibition 2012*, ISSN : 2180-0685, Vol : 4, [214-215], Faculty of Design and Architecture, Universiti Putra Malaysia

In Malaysia, there is a rapid annual increase of snatch thief incidents among the public in urban areas especially among motorcyclists. In their normal modus operandi, snatch thieves will either slash the victim's bag or pocket with a razor blade and collect the victim's valuables or often try to take something away from the victim by grabbing valuable things in the motorcycle compartment through violent and quick movements. Such incident would cause many victims suffering physical as well as psychological trauma. It is regretful that a number of similar incidents had led to the death of victims.

A qualitative and quantitative research method has been carried out in solving issues focusing on the motorcycle compartment snatch crime. The findings show that a locking system for the motorcycle's compartment is an absolute necessity to prevent snatch incidents from occurring. Therefore, an alternative design for the motorcycle compartment is produced. The new design which incorporated upper closing part fitted with a locking system was redesigned to fit the front storage compartment of Moped motorcycles.

The Moped motorcycle was chosen due to the increasing number of Moped riders in Malaysia. Based on the idea and concept development, an interesting form was finalized which portrayed a futuristic design appearance with ergonomics considerations. Besides having an impressive styling and lockable compartment, multifunctional features have been added such as plastic bag hanger, wireless box, cellular phone charger and side release adjustable buckle strap to hold a folded rain cloth. Moreover, by providing a fresh new pallet of trendy colors, the contrasting colors applied on this product will attract user's attention and gives cues on how it can be operated.



**BOXXF (Motorcyclist Safety Compartment)\_1**



**BOXXF (Motorcyclist Safety Compartment)\_2**



**BOXXF (Motorcyclist Safety Compartment)\_3**



**BOXXF (Motorcyclist Safety Compartment)\_4**



**BOXXF (Motorcyclist Safety Compartment)\_5**

Hoo Jun Hui