

ABSTRACT

A vest is an attribute that is quite important when carrying out long-distance travel activities, especially for two-wheeled riders, because it can withstand the wind which will be directed directly at the rider's body, and can be used as a community attribute. Of course, when traveling long distances there are various problems that can disrupt the trip, especially for two-wheeled riders, an example of these problems is the limited battery in communication devices, namely cellphones. When the cellphone battery runs out, the battery must be charged, and that will slow down the estimated time to the destination, so that from this problem, the smart vest product innovation emerged, where the product innovation is in the cellphone battery charging feature via solar panels. contained in the smart vest itself. This design was carried out using a qualitative research method by collecting data, observing, and also exploring surrounding problems, as well as using the SCAMPER method which focuses on modification, namely modifying the vest by adding a solar panel feature to charge cellphone batteries with the aim of being able to support long distance travel. far for two-wheeled riders.

Keywords: Smart vest, solar panels, long distance travel