

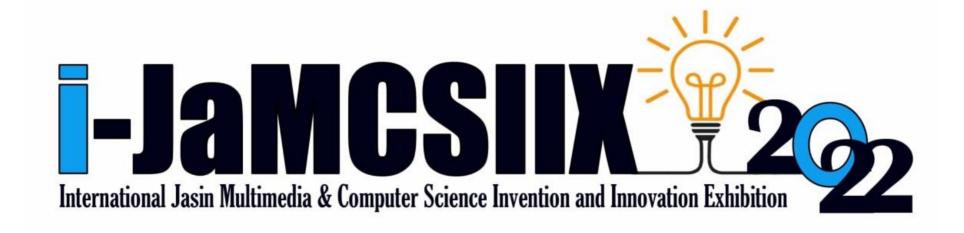


ABSTRACT BOOK

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i-JaMCSIIX

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SH Jacket

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JM040 – Innovation – Local – Category C: Students - Higher Institution (Diploma/Bachelor)

Abstract—Going through tropical rainforest will be challenging for hikers when the devices that were brought along lose their power. Unlike any other kind of forest, the landscape of rainforest is surrounded by rugged terrain and clusters of tall trees that at some point limit sunlight from reaching the ground. The SH Jacket, also known as the Safe Hike Jacket, is a one-of-a-kind piece of clothing designed specifically for hikers in tropical climates. Hikers are individuals who hike for fun or as a sport, either alone or in groups. The use of polyester is to provide comfort to hikers during hiking activities as it is waterproof. The solar panel is made of durable fabric and is IPX4-certified, meaning it can withstand water splashes from any direction for up to five minutes. The solar panel battery contains enough power to fully charge the 1,500 mAh device up to four times. One important feature of solar panels is that they are a renewable energy source that is completely accessible as long as it gets sunlight energy to regenerate and generate electricity. The solar panels are sewn onto the SH Jacket shoulders. Once the solar panel is sewn, it will be in a long-stretched state and ready to be used to charge your device. Keep it plugged in for one hour to get it recharged. When done, just unplug the wire and keep it in the pocket on the front. Finally, this is the best hiking clothing for power backup for your device.

Keywords—jacket, safety, hiking, hikers, outerwear