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Kampus Sungai Petani

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SMART KEYCHAIN

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ABSTRACT

A Smart Keychain is a product that combines a number of cutting-edge technologies with artificial intelligence (AI). AI technology is very common nowadays in the production of modern technology to help users. This Smart Keychain includes AI technology. In addition, this Smart Keychain has a variety of other features to improve the capabilities of its facilities that includes Internet Wi-Fi, GPS tracker, data storage (pen drive), solar energy and USB chargers. The "Smart Keychain" is a very useful tool for travelers since it makes it easier for them to complete their tasks. The objective of this Smart Keychain is to allow users to only use Smart Keychain for certain functions, such as obtaining information about the users' locations by using GPS. The next objective is to provide internet network to users here it is easy to be taken anywhere and can be used to store travel records as well as files in data storage. The Smart Keychain was developed and built to be one of the things that users would benefit in accessing the internet and GPS. This smart Keychain has a number of functions that other ordinary keychains do not have where they could only be used as jewelry. Users of this Smart Keychain can use the Wi-Fi connectivity provided on the Smart Keychain without having to carry a Wi-Fi gadget with them. Users would be able to surf the internet more easily as a result of this. It is also fitted with a GPS device that can assist users with issues such as difficulties in finding locations. It also has a solar energy feature, which eliminates the need to charge the Smart keychain, despite the fact that it has a USB port for charging. Users can use solar energy power to charge the smart Keychain if their region does not have access to electricity. This Smart Keychain is also created specifically to save space and is durable, which means it can fit in a pocket where the exterior component is made of metal, which means it will not break if accidentally dropped. It is also ideal for users to use in all locations or areas without troubling them. Furthermore, this smart Keychain has a solar energy charge feature which allows users to charge the Smart Keychain even when there is no electricity. The result of using this device is that users would be able to access GPS from anywhere because it is fitted with a GPS feature that can assist users in finding locations. Next, since it has a Wi-Fi feature, this Smart key chain can provide Wi-Fi connectivity to its users, making it easier for them to access Wi-Fi and access the internet anywhere. Besides that, users can feel more at ease by using the Smart Keychain because it is powered by solar energy, which eliminates the needs for users to wear the Smart Keychain and makes it easier to use because it can be used at any time and any place. Moreover, since the Smart Keychain is powered by solar energy, users

will feel more at ease in using it because they do not need to bring batteries or look for electricity if they run out of power.

Keywords: Smart keychain, multi-functional keychain

PROBLEM STATEMENT

Nowadays, the internet is a very important thing. This is because the internet network is needed by everyone no matter where they are. Not only that, people also need a multi-functional technology for their daily use. Most people also do not like to carry a large gadget because the large size and weight of the gadget make people feel tired when carrying the gadget for a long time. People also like to travel and need a device that is easy to carry anywhere and has various functions.

OBJECTIVE

1. Allow users to only use Smart Keychain for certain functions such as obtaining information about the users' location by using GPS.
2. Provide internet network connection easily and anywhere to users.
3. The Smart Keychain also can be used as a store travel records as well as files in data storage.

NOVELTY AND SPECIAL CRITERIA OF PRODUCT

Smart keychain which we designed is one of the products that users can use to make it easier for them to access the internet and GPS. This smart keychain is designed with a variety of functions that previously the keychain had no function and only as jewelry. In this keychain, users can use the Wi-Fi access available in the keychain anywhere without having to carry a Wi-Fi device. This will make it easier for users to surf the internet. Furthermore, it is also equipped with a GPS system that is able to help users who have problems such as difficult in finding an area. It is also equipped with a solar system function that causes users not to have to charge the smart keychain even though it has a USB port provided for charging purposes. With the solar system, users can use it if the user area does not have electricity supply to charge the smart keychain. This product has some special criteria like this product is one of the multi-functional keychain. This product has the ability to provide internet access to users to make it easier for users to surf the internet. The very user-friendly shape of the product makes this smart keychain can be taken anywhere by users to use it. In addition, this product is also equipped with GPS specifications that allow users to use this product as a direction indicator to go somewhere. users will be more confident to go somewhere because of getting directions through this smart keychain. Furthermore, users will also be able to use this smart keychain as a power source tool for worn gadgets such as phones and others. This product is equipped with a USB port that can provide a power source because this smart keychain has a solar energy specification that allows this device to store and extract its energy source for the use of consumer gadgets in times of emergency or the absence of electrical power.

IMPACT OR USEFULNESS

This smart keychain helps the users to be able to access GPS from any area of place because this device is fitted with GPS features and this can assist the users to find any location that they want. The next impact is, this device has a Wi-Fi feature, which means this Smart Keychain can provide Wi-Fi connection to the users and this can make the user can access the internet network easily also anywhere. Not just that, this device is powered by solar energy and this can make the user more easy to use this Smart keychain anywhere because the user don't have to worry if they stay in place that don't have any electricity also don't need to look for batteries if the user run out of power. Solar energy is also a power that is easy to get, this will make the Smart Keychain easier to get power to operate. Besides that, this Smart Keychain will be able to help users in their daily activities such as when travelling to places that do not have an internet network, this device will able to provide an internet network for users to use. After that, the lightweight and small design also makes it easier for users to carry this Smart Keychain anywhere compared to other gadgets. For the outer design, the Smart Keychain is created using iron or metal. This will help to protect this device from crack when the user drops the device.

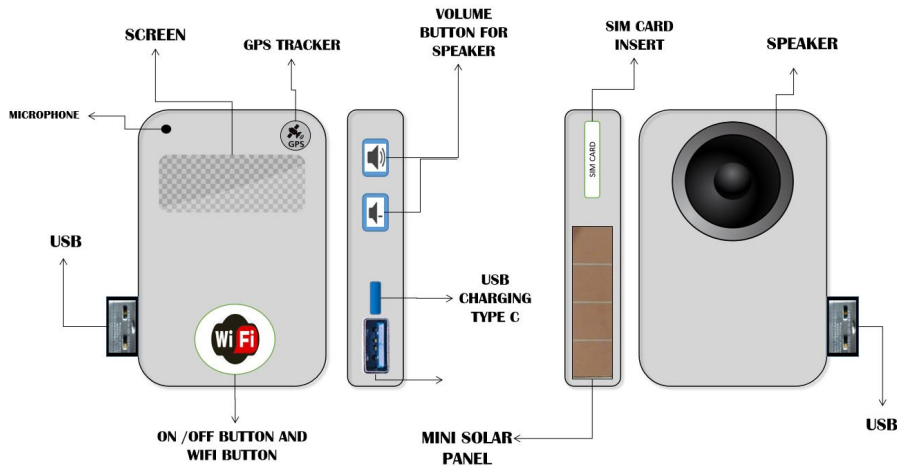


Figure 1. Process of Consuming the Product or Specification

Below are the product specifications of Smart Keychain:

1. "Smart Keychain" can be used to identify the user's location with the GPS facility installed on the device.
2. "Smart Keychain" has Wi-Fi that allows users to get internet access anywhere.
3. For charging, users can charge the "Smart Keychain" by using solar energy and a USB charging Type C.
4. "Smart Keychain" provides AI technology to make it easier for users to communicate with the tool.
5. Users can also access their travel data stored in data storage. In addition, users can also store any file in the data storage.

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