

## **Design improvement of 'Air Remover Fan' to reduce temperature inside the car**

### **Abstract**

The Air Remover Fan is a device that base on process of solving a temperature problem inside a car during parked under the direct sunlight or open area for a long period. When a car is parked for certain period in this condition, the temperature inside the car cabin will be high from the ambient temperature. Sometimes the temperature inside the car will be double from the ambient temperature. To solve this problem, the Air Remover Fan is introducing as a device to reduce the hot temperature air inside the car [16][17]. The device is operate by using the temperature sensor which is it automatically operates when the sensor detect the 33°C temperature and the system will allow the fan to suck the hot air inside the car cabin to the outside through the car boot. The improvement of product will be focusing in designing the fan blade which is to choose the best selection of fan blade design, find the correct angle of the fan and fan casing which is to get the best design for 'Air Remover Fan'

**Keywords:** Air Remover Fan; Automatic Solar-Powered Car Ventilator.