

UNIVERSITI TEKNOLOGI MARA

**DESIGN AND FABRICATE HAND
SANITIZER HOLDER FOR CAR
UNDER HOT TEMPERATURE**

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ABSTRACT

This project describes an example of a study of the design and operation of a hand sanitizer for a car with a low temperature. The purpose of the design is to prevent evaporation of the hand cleaner for safety purposes. In addition, making a hand sanitizer holder uses 3D printing and learning materials that will be used in this project so that the hand sanitizer holder can withstand extreme temperatures. Additionally, this is a project study on the size of a hand sanitizer handset suitable for public use. In addition, the project also examines the processes found in 3D printing machines such as Stereolithography, Digital light processing (DLP), Laser Sintering / Laser Melting and more. Also, examines previous designs of hand sanitizer holders available on the market such as hand sanitizer holder and key holder. In addition, the material used to make this hand sanitizer holder is PIA because it has the right characteristics. The project was successful even though it failed for the first time because the surface area was very small. By increasing the top surface thickness.

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