UNIVERSITI TEKNOLOGI MARA

DESIGN AND FABRICATE REMOTE CONTROL CONTAINER FOR HOUSEHOLD USAGE

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ABSTRACT

This project describes a case study of the Design and Fabricate remote control container for household usage. The objective of the design ergonomic remote-control container for household usage. Besides, to fabricate holder or casing for remote control using 3D printing method. Addition, this project study about the dimension of remote holder container that ergonomic and suitable for household usage. In addition, this project examines the types of 3D printing such as Vat Photopolymerization, Sheet Lamination, Power Bed Fusion, Materials Jetting, Materials Extrusion, Directed Energy Deposition and Binder Jet. This project also examines the materials that can be used in 3D printing such as HIP, ABS, PLA, polymer, metal, composite, and others. Thus, the application of 3D printing manufacturing technology that have been used in the industry.

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