

DESIGN DECODED 2021 : ART EXHIBITION



*Decrypt your
visual creativity*

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Contactless Finger

Ainun Najhah Mat Saad Norarifah Ali

Contactless Finger

When in a public place many people will touch the surface. For example, ATM machine buttons, elevator buttons and other related buttons. Other people may become infected by touching these objects or surfaces, then touching their eyes, noses or mouths before cleaning their hands. This is why it is essential to thoroughly clean hands regularly with soap and water or use an alcohol-based hand rub product, and to clean the surfaces regularly. Coronavirus disease (COVID-19) is an infectious disease. Most people who are infected with COVID-19 will experience mild to moderate symptoms and recover without special treatment. People with the virus in their noses and throats may leave infected droplets on objects and surfaces (called fomites) when they sneeze, cough on, or touch surfaces. For example, the ATM

button or the elevator button that is always being touched. Various people touch the buttons without wearing finger protectors. From these surfaces they can be infected with Covid 19. Some people wear gloves and they neglect to practice hand hygiene, because they think that their hands are already clean.

To reduce the spread of this virus, a plan is made to design a contactless finger product that can be used for adults during Covid-19. This product helps us to protect our fingers from getting infected with the Covid 19 virus. The product is also easy to carry anywhere. Besides that, this product can be kept in a bag or pocket. The advantage of this product is that it can be used to touch all the buttons and can also be used for keychain. This product is safe to use and also durable. Lastly, the concept used to create this product is organic design. Next, this product is made through 3d printing. 3D printing or additive manufacturing is a process of making three dimensional solid objects from a digital file. The creation of a 3D printed object is achieved using additive processes. In an additive process an object is created by laying down successive layers of material until the object is created. Each of these layers can be seen as a thinly sliced cross-section of the object.

After that, 3D printing work all started with a 3D model from Rhino apps. The printing time depends on a number of factors, including the size of the part and the settings used for printing. The quality of the finished part is also important when determining printing time as higher quality items take longer to produce. 3D printing can take anything from a few minutes to several hours or days. In addition, the material that will be used for this product is ABS plastic. Next, the color chosen for this product is a bit on the darker side because our hands sweat quickly and when a bright color is used for this product, it can get dirty quickly.



AINUN NAJHAH MAT SAAD
Contactless Finger

85 mm x 15 mm
ABS Plastic
(Acrylonitrile Butadiene Styrene Plastic)
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