

DESIGN DECODED 2021 : ART EXHIBITION



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visual creativity*

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## Muhammad Adib Aieman Mohamad Zuki Nurazlina Jamalludin Normaziana Hassan

Portable Water Pump Bag Hyduo

**MUHAMMAD ADIB AIEMAN BIN MOHAMAD ZUKI**  
Portable Water Pump Bag Hyduo

Types of plastic  
186 mm x 83 mm x 340 mm  
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The Covid-19 pandemic that hit the world today causes a huge impact on various things including daily life. Society needs to live in a new norm where they have to maintain distance, wear face masks and always use hand sanitizers wherever they are. On the other hand, personal hygiene at a high level is important especially in public places or while traveling where public toilets are sometimes used. Therefore, as a precaution as well as to reduce the number of virus infections, this portable water pump bag is designed as a solution. The purpose of designing this portable water pump bag is to make it easier for public toilet users by carrying it without touching the water pipe due to hygiene reasons. The criterion of this portable water pump bag is that it has a compact size in which water can be filled in sufficient quantity. Other than that, it is also easy to use, to store and to carry anywhere even when doing other leisure activities. The method of use is also simple, which is by hanging it at a relatively high level while sitting on the toilet bowl, so that the water flows easily or users can place it under the armpit and pumping it in order to let the water come out through the nozzle and the washing process takes place. Apart from that, this product can also be used for washing hands as there are also public toilets that do not supply water. With the creation of this portable water pump bag, it is hoped to protect and reduce the susceptibility of bacteria and viruses harboring public toilets. However, the easiest way to protect yourself and others from Covid-19 is to simply stay home.

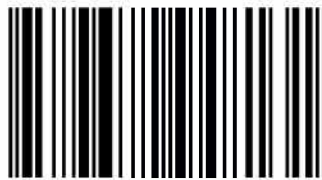
Amidst the Covid-19 outbreak that hit the world since late 2019 and is still ongoing has resulted in a major drawback on various things including daily life. The result of this impact has left society living in a state of new norms whereby maintaining social distance, wearing face masks and sanitizing regularly are primary ways to help reduce the potential of being infected. Therefore,

the practice of ensuring good personal hygiene should be taken seriously especially in public areas, such as when using public restrooms. In consequence, this portable water pump bag (Hyduo) is designed as a precautionary method to help reduce the risk of virus infections when travelling in public spaces. The motive behind this design is to help ease the struggles and hygienic concerns of users who utilize the public restrooms. This portable water pump bag comes with its own creative features such as having a compact size to enable sufficient water quantity to be stored in the pouch to use in restrooms. In addition, despite its functionality and reliable features, it is also travel friendly as users can also carry it anywhere including when having outdoor activities. Not to mention, the utility method is fairly simple as users would only need to hang the water pump bag at a relatively higher level when they are using the toilet so that the water flows out easily. Otherwise, they can also place it below the arm while maintaining proper pressure when pumping the bag so the water will come out through the nozzle and the washing process can take place. Apart from that, this product can also be used for hand washing as sometimes public restrooms may have insufficient water sources. Hence, with the creation of this portable water pump bag, it is hoped to protect and reduce the susceptibility of the harmful virus, especially in public restrooms and areas where it is more prone for bacterial transfers such as toilets. Nevertheless, the best precautionary method for one to not contract Covid-19 is by simply staying home.

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