**Introduction**

In December of 2019 in Wuhan, China, an outbreak occurred due to the spread of the Novel Coronavirus. The virus spread at rapid rate and infect many people. Causing a great number of hospitalizations and casualties. The virus spread through-out the globe and recognized as global pandemic affecting more than 220 countries (Worldometer, 2021).

The Coronavirus cause a significant impact on disinfectant industry. Sudden rise in demand for sanitizers and disinfectant as a preventive measure against the virus has change the dynamic of the market (Reports and Data, 2020). The disinfectant demand imposes a challenge and concern to supply chain.

According to NationalAcademies (2021), ultraviolet lights specifically UVC, have the trait to inactivate SARS-CoV-2 and shows effectivity against reducing germs.

Cognizant of the growing problem, the researchers will develop and design an automatic disinfecting machine with UVC lamps as treating agent to disinfect materials or objects.