

ABSTRACT

Temperature, humidity, media humidity factors are very important in the growth of this oyster mushroom. Oyster mushrooms have an ideal parameter range at a temperature of 21-26°C, oyster mushroom cultivators must have a mushroom house location at high temperatures and cool air humidity. high, because the fungus will not grow even if the temperature is too high. So remote monitoring and control are needed, especially in the current pandemic era.

In this study, the thing to note is the quality of the water content in the planting medium is not good, the temperature is not in accordance with the needs of the fungus it will greatly affect the quality of the growth of oyster mushrooms So that a web application is needed as a way to keep the mushroom house condition monitored. The required website is also a website that can provide complete, fast, and real-time data. Later the web can be applied to smartphones, or on laptops so that it is more flexible because it can be accessed on various types of gadgets.

The results of observing the parameters needed for oyster mushrooms are in front of the firebase and have been displayed on the website, mushroom farmers can integrate the conditions of the growing media, room temperature & humidity conditions from anywhere in real-time, and the user controls the tool on the on/off button provided.

Keywords : *Room Temperature Quality, Plant Humidity Quality, Automatic Watering, Web Application, Realtime, Planting Media Humidity, Firebase.*