ABSTRACT

Urban agriculture is conventional agriculture, agriculture which has a difference in its growing media. Conventional agriculture is more oriented to production results, while urban agriculture is more about the character of the culprit, namely urban society. Examples of urban farming techniques are hydroponics, aeroponics and aquaponics.

In general, aeroponics is carried out using aerial media with nutrients that are suitable for the type of plant you want to use by spraying it on root plants that are suspended in the air. This requires more attention on controlling the level of nutrition that is done manually.

Therefore, a nutritional level monitoring system was created automatically. The system is designed using a TDS Meter Sensor that functions as a nutrient observer in the nutrition tank. The value of ppm we can see in realtime remotely using the IoT platform.

Based on the TDS Meter sensor test results in this test, if the accuracy is averaged, the percentage accuracy of the sensor will be 95% accurate, because the accuracy is quite good, then the TDS Meter sensor can be used.

Keywords : Aeroponic,Nutrien Level