Plagiarism Scan Report

Summary	
Report Genrated Date	03 Mar, 2018
Plagiarism Status	**100% Unique**
Total Words	676
Total Characters	4402
Any Ignore Url Used	

Content Checked For Plagiarism:

The current well-known cultivation technique is hydroponic \cite{8263577}, hydroponics is an innovation □or developing plants in a supplemental arrangement that supplies each o the supplemental components required □or an ideal plant \cite{8300782} one o□ the hydroponic techniques is Nutrient Film Engineering (NFT) in the hydroponic □arming system o□ water will be used continuously and only decreases due to evaporation by the Sun or by the process o□ photosynthesis o□ plants \cite{8089268} NFT systems use nutrient solutions to drain in the root \cite{8263577} hydroponics region consisting o□ production and □eed tanks □or nutrient solution , where it is necessary to control the □unctional parameters o nutrient solution, pH, dissolved oxygen, temperature, osmotic pressure and electrical conductivity and installation and growth o□ the plant \cite{8281944} new method o growing groundless plants, using a mineral nutrient solution in a water solvent instead o \cite 8300782} Nutrition solutions are critical □or de□initions sikan success \cite{8263577}

Hydroponic crops most widely used mineral or hydroponic nutrient solution are Stock A and Stock B as the nutrient need □or crop {cultivation} \cite {7904922} hydroponic plants o water quality used to □ul□ill certain conditions such as pH, turbidity, particle size, chemical elements to obtain maximum results low pH levels can also a□fect the plant so it is not able to absorb Curtis. Containers are places where the pesticide is direct to store during handling \cite{7904922} The main advantage o□ hydroponics is the shorter time □or growth and productivity and less use o□ water and □ertilizer than the soil system on agriculture \cite{7904922} Agriculture in the application □ertilizer itsel□, there are many types o□ □ertilizers and combinations o□ di□ferent doses, optimizing the dosage o □ertilizer on Optimization o□ □ertilizer on corn crops can give prediction results and optimization o□ solution at plant \cite{CHEKLI201718} Solution most at hydroponic plants that is □ertilizer A and □ertilizer B, the second o□ these dra□ts should be disposed be□ore use because o□ the precipitation a□ter mixing \cite{7904922} The e□fect o□ liquid □ertilizer on plant growth is investigated. Liquid □ertilizers contain a smaller amount o□ BDF waste water having the same e□fect on growing crops as a standard hydroponic \cite{kohda2017recycling} nutrient solution having less environmental impact and adequate □ertilization \cite{hashida2014management}

in a hydroponic container there is a mixture o□ □ertilizer A and □ertilizer B with additional clean water into a nutrient solution □or plants, □ertilizer needs to be considered because i the water quality becomes not good because there is no monitoring at pH and EC (conductivity electic) Hydroponics □ertilizer is a nutrient in the □orm chemistry containing six essential nutrients: N, P, S, K, Ca and Mg \cite{7904922} In each nutrient mix mixing

plants AB should be in the appropriate dosage because i the dose o ertilizer is too much it will a fect the productivity o the plant depends largely on the two main actors are EC and pH values that determine nutrient uptake by plants \cite{7904922} controls the amount o TDS nutrient solution in the range o the number o TDS that can be adjusted according to various TDS requirements or hydroponic gr section, The measurement range is set between 1260 ppm up to 1610 ppm or spinach plant \cite{rahman2017per ormance} Manual treatment or t plant hydroponic acid, average yield o 39.6 grams / plant, greater than the yield o spinach plants with TDS control o equipment that averaged 24.6 grams / plant \cite{rahman2017per ormance} so as to detect plant nutrient de iciency in determining the dosage o ertilizer based on crop requirements \cite{7007895}

In previous studies, hydroponic crops were administered doses o 3 ml and 30 liters o water with a pH o 8.5 on a small scale. However, what i a large-scale hydroponic application with enough water can determine the dose and the amount o PPM hydroponic solution in hydroponics, predict when the amount o ertilizer in the nutrition is exhausted and also how to predict the relationship between the dose and the amount determined by orecasting method, Forecasting is the use o past data o a variable or collection o variables to estimate its value in the uture.