

This study was compared between growing media and nutrient solutions in Ebb and Flow method of hydroponic system by strawberry. The results showed that dry weight of shoots was higher than the other treatments, when the plants grown on coconut fiber, raw rice husk, coconut dust and sand. The mixture of inorganic and organic matters in ratio 1:1 by volume between sand and raw rice husk or sand and coconut dust were appropriated to cultivating and growth responses. The growth of strawberry by dry weight of shoots was significant difference in the solution of Hewitt from the plants grown on Hoagland & Arnon and Steiner's solution. Adding potassium in Hewitt's solution increased flower number, while adding calcium decreased fruit size but fruit quality was risen more than those of treatments. The dry weight of shoots increased by adding nitrogen in Hewitt's solution at the vegetative stage but it declined at the flowering stage. Using a halved concentration of Hewitt's solution was the same results of dry weight accumulation by Hewitt's solution, moreover adding nitrogen in this concentration increased fruit size but it decreased fruit quality less than the other treatments.