THE EFFECTS OF OZONIZATION TREATMENT OF WATER TO THE GROWTH RATE OF *Cyprinus Sp.*(Carp)

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Abstract

The study investigated the effects of ozone treated water to the growth rate of *Cyprinus* sp. by determining the efficiency of this technology in increasing the yield production of fishes. Test organisms were subjected to ozone treatment for four weeks. Their growth in terms of body length and weight were measured. The average body length of the test subject for the first replicate control group increased from 5.9cm to 8.5cm and the average weight increased from 6.6g to 23.4g. The average body length of the test subject for the second replicate control group increased from 6cm to 8.5cm and the average weight increased from 5.1g to 26.5g. The average body length of first replicate treated group increased from 5.6cm to 9.5cm and the average weight increased from 5.4g to 41.3g. The average body length of the second replicate treated group increased from 6.16cm to 9.39cm and the average weight increased from 5.7g to 37.2g. Using the two sample t-test with a level of significance of $P \le 0.05$, the t-value acquired for the length and weight showed a significant value. Data showed that, changes on the body characteristics in terms of body and weight is not prominent on the initial week. On the third week, the test subjects started to exhibit drastic changes. Increase of body length and weight are very noticeable. On the fourth week, the growth of the body length started to decrease but the weight continues to increase.



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