

Effect of Pineapple Peel Activator (Ananas Comous L. Merr) on the Time of Compost Formation Organic Vegetable

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Abstract

The increasing waste problem will cause problems for the community. This can lead to environmental hygiene problems such as unpleasant odors, impaired eye sight, and several threats of disease problems that can arise. In this case organic waste such as nianas peel can be used as an activator in helping to speed up the composting process time. The research design used Quasi experiment with post test design with control only design. Data analysis using One Way Anova Test and Bonferroni Test. The results of the One Way Annova test obtained p value = 0,000 <0.05 means there is a difference in the time of compost formation and the Bonferroni Test obtained p value = 0,000 <0.05 means there is a very significant difference. Pineapple peel activator treatment is 3 days faster than Em4 treatment and 9 days faster than control treatment. And the Em4 treatment was 9 days faster than the control treatment. It is stated that pineapple peel activator is more effective in accelerating the time of compost formation. Research can provide information in processing waste into useful and other alternatives in handling organic vegetable waste.

Keywords

Compost, Activator, Organic Waste