RESEARCH WAS TO CREATE CHITOSAN FLIM OF DEAXETYL 80% AND INCREASE THE SELF LIFE OF HOA LOC MANGO

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Summary

The purpose of this research was to create chitosan films of deaxetyl 80% and increase the self-life of Hoa Loc mango. Through research content, the elements to create chitosan membrane accordance as: chitosan concentration studied (0.5%, 0.75%, 1%, 1.25%, 1.5%), pH (2.9, 3.0, 3.1, 3.2, 3.3). Result of tentative got chitosan 0.75 %, pH 3.8 were the best which made chitosan. From the results obtained, which survey factors such as storage temperature, storage time, control sample. After 30 days, Hoa Loc mango was preserved by chitosan films to limited dehydration, maintain quality that the better don't use chitosan film. Changes in indexes such as vitamin C sample M remain 0.023%, decrease 0.127%, T (50) remaining form 0.076%, decrease 0.074%. Loss of sample M was reduced by 22.3%, while T (50) decreased by 13%, total sugar content, hardness of fruit was almost unchanged compared to control sample.

Keywords: *Chitosan, chitosan films, Hoa Loc mango, modified vitamin C, loss of mass.*