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عنوان مقاله:

Edible coatings maintained postharvest quality and increased shelf life of guava fruits

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خلاصه مقاله:

Purpose: Guava is believed to be the most important commercial fruit crop in Bangladesh. Guava fruit exhibit very short storage life mainly due to high respiration rate, susceptibility to various pathogens and mechanical damages which can rapidly reduce the quality. However, the experiment was conducted to study the edible coatings effects on postharvest quality and shelf life of guava. Research Method: Commercially mature guava fruits (Swarupkathi and Thai) were treated with six edible coatings viz., (i) T\: Control, (ii) T\: Aloe vera gel (\gamma\delta\delta\), (iii) T\: Carboxy methyl cellulose (CMC) (\gamma\delta\), (iv) T\: Chitosan(\gamma\delta\), (v) T\(\delta\): Aloe vera gel (\gamma\delta\delta\) + Chitosan (\gamma\delta\) and (vi) T\(\gamma\): Green tea leaf extract. The two–factor experiment was designed with a Completely Randomized Design and three replications. Findings: The results showed that, Thai Piara with Chitosan \gamma\text{\gamma} treatment recorded the minimum weight loss (\gamma.\gamma\delta\), the highest vitamin C content (\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\gamma\text{\gamma}

كلمات كليدى:

aloe vera gel, Chitosan, quality, storage

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