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Application of a chitosan coating as carrier for natamycin to maintain the storage quality of ground cherry (*Physalis pubescens* L.)

Key words: Chitosan coating, Natamycin, Storage quality, *Physalis pubescens* L.

Research Summary

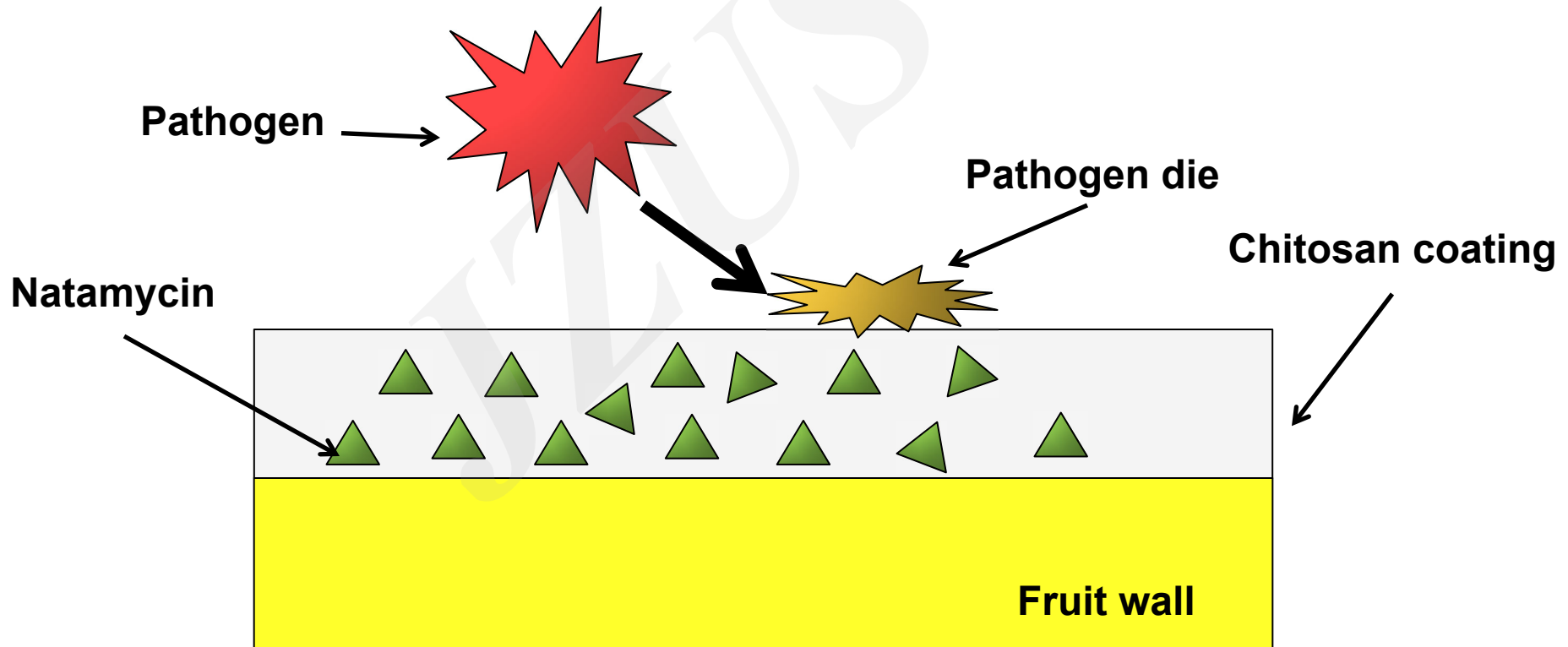
This review mainly focused on the effects of chitosan coating and natamycin on the storage quality of ground cherry, and analyzed the effects of different treatments on the following aspects:

- Effect of different treatments on log cfu/g**
- Effect of different treatments on external**
- Effect of different treatments on SOD and APX activity**
- Effect of different treatments on MDA content**
- Effect of different treatments on the sensory score**



Innovation point

- **Application of chitosan coating and natamycin in the preservation of ground cherry fruit**



Result

- Compared with the other two treatments, the chitosan + natamycin treatment can significantly maintain the storage quality of ground cherry for 50 days.

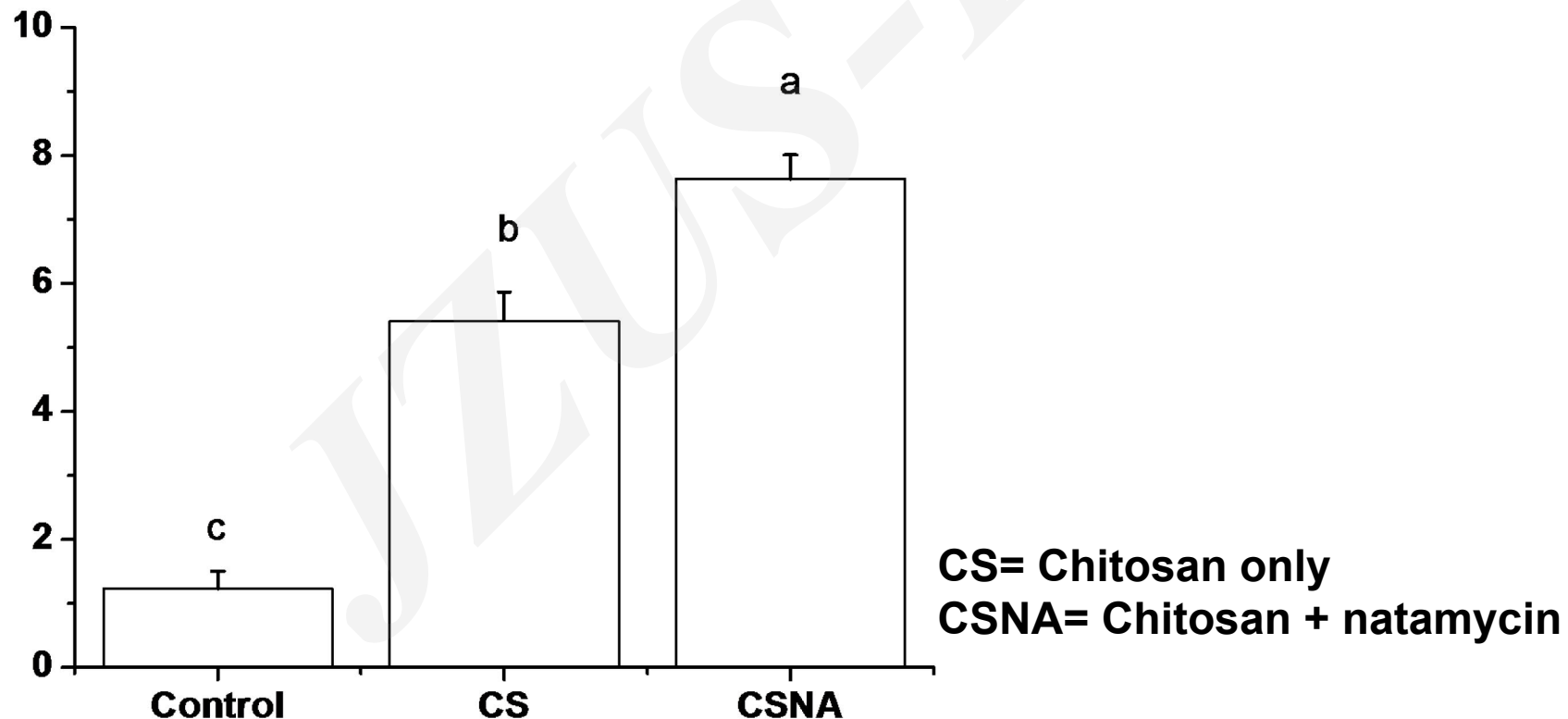


Fig. 1 Sensory score of fruits with different treatments after 50 days' preservation (Max = 10)