

ABSTRACT

THE EFFECTIVENESS OF CORNCOB LIQUID SMOKE TO MAINTAIN THE QUALITY OF MANGOO (*Mangifera indica* L.) AT POSTHARVEST

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Mango is a climacteric fruit with a high respiration rate so that it rots quickly. Post-harvest handling to be done to maintain the quality of mangoes with application of liquid smoke from corn cobs. Study aims to determine the effectiveness of corncob liquid smoke in maintaining the quality of mango fruit in postharvest. This research was carried out from June to September 2022. This study used a completely randomized design (CRD) consisting of 5 concentration levels of liquid smoke treatment with 4 replications. The concentrations tested were A (control), B (liquid smoke 1%), C (liquid smoke 2%), D (liquid smoke 3%) and E (liquid smoke 5%). The parameters tested consisted of weight loss, water content, intensity of damage and organoleptic tests for taste, aroma and color. The results showed that the application of liquid smoke with a concentration of 2% was effective on mango fruit taste, a concentration of 3% was effective in suppressing weight loss, reducing the intensity of damage and maintaining water content of mango fruit for 14 days of storage.

Keywords: Corncob, liquid smoke, mango, quality