

**Title** The Responses of Mokara Nora ‘Pink’ Inflorescence to biocide in vase solution

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**Keyword** Mokara Nora Pink; vase solution; bioside

#### **Abstract**

The major problem of cut orchid inflorescence is floret wilting or dropping. Therefore, the objective of this research was to study the effects of sugar and fungicide on postharvest quality of Mokara Nora ‘Pink’ inflorescence. Inflorescence were harvested in June 2009 at commercial maturity with 6-7 open flowers and 4-5 bud flowers, then stem of individual inflorescences were re-cut and put in centrifuge 15 mL tube containing distilled water served as control, 20 mg.L<sup>-1</sup> DICA + 2 % sucrose, 40 mg.L<sup>-1</sup> DICA + 2% sucrose, 20 mg.L<sup>-1</sup> DICA and 40 mg.L<sup>-1</sup> DICA and placed at 25°C, 60% RH under fluorescence light. The data were recorded at daily interval. The relative fresh weight was declined throughout the experiment. Inflorescence kept in 40 mg.L<sup>-1</sup> of DICA had the highest fresh weight and water uptake. There was no difference in bud opening and flower drop among treatments. DICA at 40 mg.L<sup>-1</sup> significantly reduced total microorganism in vase solution and increased vase life about 5 days compared to the control.