

EFFECT OF ASPIRIN (ACETYL SALICYLIC ACID) ON  
FLOWER LONGEVITY OF CUT ROSE FLOWER

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**EFFECT OF ASPIRIN (ACETYLSALICYLIC ACID) ON FLOWER LONGEVITY  
OF CUT ROSE FLOWER**

**By  
NURULIZYAN BINTI ROSLI**

**Research Report submitted in partial fulfillment of the requirements for the degree of  
Bachelor of Agrotechnology Science (Post Harvest Technology)**

**Department of Agrotechnology  
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2009**

## DECLARATION

I hereby declare that the work in this thesis is my own accept for quotations and summaries which have been duly acknowledged.

Signature :  .....

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## ABSTRACT

A study was conducted on different concentration of Aspirin (Acetylsalicylic acid) on cut rose flower. A half open cut rose flower were treated with solutions containing various concentration of chemicals to test their effects on vase life and quality. A half cut rose flowers were treated in 20% of sucrose with one control (distilled water) was evaluated daily to obtain its effect on the longevity and flower quality of cut rose flowers. In addition, another treatment of sucrose 20% followed by three different concentrations of aspirin (100ppm, 200ppm and 300ppm concentration) was conducted. Each treatment had 3 replicates for the same type of roses. The vase life of cut rose flowers were defined as the time that flowers become wilted or bent neck. At termination experiment, vase life was increased by a solution containing sucrose 20% followed 200ppm aspirin until 6 to 7 days. Meanwhile, the flowers were treated with sucrose and distilled water maintained respectively for 3 to 4 days. The quality of flower was also improved by treatment at a 200ppm of aspirin. The result of this study indicated that aspirin increases slightly the longevity of flowers and flower quality.