

# PENGARUH LAMA PENYIMPANAN BUAH TOMAT (*Lycopersicum esculentum*, Mill) VARIETAS INTAN DAN BERLIAN TERHADAP KADAR VITAMIN C SEBAGAI KAJIAN SUMBER BELAJAR UNTUK MENUNJANG MATA PELAJARAN BIOLOGI SMA KELAS XI SEMESTER I



Oleh: ELLY ISMININGSIH ( 01330083 )

Biology

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Tomato has a lot of fan and it sold in markets, whether as fruit or as kitchen needs. Tomato was really useful for health since the vitamin C contain. Vitamin C has many benefits. Some of them are : Intercellular substance growth, collagen tissue synthesis, reduction and oxydation function, regeneration in bone damaged and wound, also has function in acid metabolism, fenilalanin and tyrosine. Vitamin C also useful for bleeding diathesa, nose bleeding, pulmonary, kidney and bleeding whihc caused by radiation.

Daily tomatoes which were sold in the market, had unknown Vit C container since no information whether it was fresh (from the tree) or has been storaged. Drying Fruits or vegetables along transportation to the market, the vitamin C contains would be 75% lower. That's why there applied a research about the storage length of Intan and berlian varieties tomato (*Lycopersicum Esculentum*, Mill) as the study source to support XI Grade Semester I Biology curriculum.

The research aimed to find out the sotrage length to the Intan and Berlian varieties tomato (*Lycopersicum Esculentum*, Mill) to vitamin C influence as the study source to support XI Grade Semester I Biology curriculum.

The research was experimental where the researcher did manipulation to the object. In order to find whether there were influence or not the tomato storage to the vitamin C level at intan and Berlian varieties tomato, there used ANOVA test.

From the research, there found that  $F_{count} > F_{table}$  in significant phase 5% and 1%, so that could be concluded that 3 days storage caused 1,34% vitamin C decreasing, 6 days storage caused 2,96% decreasing, 9 days storage caused 13,97% decreasing and 12 days storage caused 16,5% decreasing and to the berlian variety, 3 days storage caused 0,47% decreasing at Berlian Variety, 6 days storage caused 15,5% decreasing, 9 days storage forced 43,8% decreasing and 12 days storage caused 50,03% decreasing.