

INTISARI

PERTIWI, CP. 2017, ANALISIS KADAR VITAMIN C PADA BUAH TERONG CEPOKA (*Solanum torvum* Swartz) SEGAR DAN GORENG DENGAN METODE SPEKTROFOTOMETRI UV, KARYA TULIS ILMIAH, FAKULTAS FARMASI, UNIVERSITAS SETIA BUDI, SURAKARTA.

Vitamin C (asam askorbat) merupakan antioksidan yang diperlukan tubuh. Buah terong cepoka mengandung alkaloid steroid yaitu jenis solasodin, salosinin chlorogenin dan berbagai vitamin. Penelitian ini bertujuan untuk mengetahui perbedaan kadar vitamin C pada buah terong cepoka segar dan goreng.

Penelitian dilakukan dengan metode spektrofotometri UV, karena pada vitamin C memiliki senyawa kromofor. Kurva baku vitamin C dibuat untuk mencari data absorbansi. Data yang telah didapat kemudian dianalisa dengan *paired sample t-test*.

Hasil penelitian menunjukkan bahwa kadar rata-rata vitamin C pada terong cepoka (*Solanum torvum* Swartz) segar dan goreng dengan metode spektrofotometri UV berturut-turut 0,28 % dan 0,10 % dan keduanya memiliki perbedaan kadar secara nyata.

Kata kunci: Vitamin C, Terong Cepoka, Spektrofotometri UV.

ABSTRACT

PERTIWI, CP. 2017 ANALYSIS OF VITAMIN C IN FRUIT CEPOKA EGGPLANT (*Solanum torvum* Swartz) FRESH AND FRIED WITH SPECTROPHOTOMETRY UV, WRITINGS SCIENTIFIC, FACULTY OF PHARMACY, UNIVERSITY OF SETIA BUDI, SURAKARTA.

Vitamin C (ascorbic acid) is an antioxidants which needed for body. Cepoka eggplant is contain alkaloid steroid that is salasodin, salasonin chlorogenin and variety of vitamins. The goal from this research is for knowing the difference between vitamin C in fresh cepoka eggplant and fried cepoka eggplant.

The research was conducted by spectrophotometry UV method, because of vitamin C had a chromophore. Standard curve of vitamin C was made to search absorbance. After got the data then the data has been analysis with *paired sample t-test*.

The results showed that the average vitamin C content of fresh and fried eggplant cepoka (*Solanum torvum* Swartz) by spectrophotometric UV method 0.28% and 0.10% respectively and both had significant differences in content.

Keywords: Vitamin C, Eggplant Cepoka, UV Spectrophotometry.