

ABSTRACT

THE INFLUENCE OF THE GRANTING OF VITAMIN C AGAINST HISTOLOGIC PREVIEW OF BRAIN ADULT MALE MICE'S (*Mus musculus* L) THAT INDUCED MONOSODIUM GLUTAMMATE

By

REZANDI AZIZTAMA

Monosodium glutamate (MSG) is given flavor to food that is often used in the entire world and it is a free radicals that can be destructive to neuron. Vitamin c is free radical antioxidant that counteracting the effects of msg. The purpose of this research is to know influence granting vitamin c against histologic preview of the brain mice adult male that induced monosodium glutamate.

The subject of this research using 25 the tail of a mouse the adult male a strain of dd webster that is divided at random in five a group of K (-) (msg 4mg / grbb) , K (+) (vitamin C 0, 2 mg / grbb) , P1 (msg 4 mg / grbb and vitamin C 0,07 mg / grbb) , P2 (msg 4 mg / grbb and vitamin C 0, 2 mg / grbb) , P3 (msg 4 mg / grbb dan vitamin C 0,6 mg / grbb) after 15 days of the treatment, an enumeration of the amount of mice's neuron done . analysis of data used a test of one way anova that is continued by analysis post hoc test with the methods of LSD and also a test of kruskal wallis that is continued by test mann whitney .

Obtained results after that the msg and giving vitamin c there are reducing employment neurons damaged in the brain mouse where $P < 0,05$. This indicates that the granting of MSG and vitamin C affect the cerebrum histologic preview of mice.

Key word : monosodium glutamate, vitamin C, neuron, brain, mice.