

The Effect of granting the Bangkok Papaya Juice (Carica Papaya L) on Uric Acid Serum Level of Mice Strain Babl-C (Mus musculus) Hyperuricemic.

Efek Pemberian Sari Pepaya Bangkok (*Carica papaya L*) terhadap Kadar Asam Urat Mencit Jantan Galur Babl-C (*Mus musculus*) Hiperurisemia.

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ABSTRACT

Uric acid is a product of the end of the metabolism of excess amount if the purin can trigger a wide range of ailments including gout. Uric acid in the blood can be expelled through the urine with the consumption of vitamin C so that the levels of uric acid in the blood decreases. The Thailand Papaya Juice is the fruit containing vitamin C 70.76 mg/100 g. The purpose of this research is to know The Effect of granting the Thailand Papaya Juice (*Carica Papaya L*) on Uric Acid Serum Level of Mice Strain Babl-C (*Mus musculus*) Hyperuricemic. This research was true experimental research with pre test and post test with control group design. The sampel was male mice strain Babl-C (*Mus musculus L*) that was 2-3 months old, which is inducted with high level purin from a chicken liver juice, and given the Thailand Papaya juice dose I (0,9 ml/feeding/day), dose II (1,8 ml/ kg/BB), and dose III (2,7 ml/ kg/BB) in 7 days with 3 times feeding/day. The uric acid serum level of the sampel was tested by using the Biolyzer 100. The data were analyzed used paired t-test. Analyzed used Spss v.16 program. Thailand Papaya juice has a significant influence in lowering the uric acid serum level, there was 42,91% decrease in dose III group, a 25,18% decrease in dose II, and 10,37% in dose I. the decrease of that uric acid serum level didn't reach the normal level of uric acid serum level for mice, which is 0,5 – 1,4 mg/dl

Keywords : Bangkok Papaya juice, Hyperuricemic, uric acid serum level.