

**THE EFFECT OF GIVING EXTRACT OF MAHKOTA DEWA FRUIT
(*Phaleria macrocarpa*) TO LDL – CHOLESTEROL BLOOD
RATES ON MICE WITH HIGH FAT FEEDING**

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ABSTRACT

The aim of this research was to know and proved the effects of giving extract of mahkota dewa fruit which may decrease the blood rates of LDL – Cholesterol on mice given high fat feeding. Experiment animals that used in this research are 25 male mice on 20 - 25 gram body weight. The experimental design that used is Completely Randomized Design, which contains into five treatment and repetition. Group of treatment are deviding into two part. First, two group for control, which contains of negative control (Po-) and positif control (Po+). Negatif control is group that given standard feed and water, and positive control is group that given high fat feeding and water. Secondly, three group treated by high fat feeding and mahkota dewa fruit extract (P1, P2, P3) by orally with each doses 100, 50, 25 mg/kg body weight. The treatment is done on five weeks. The blood samples taken by intracardial. Result analized using Analysis of Variance continued by Honestly Significant Test (HSD). The final result showed that mahkota dewa fruit extract could decrease LDL – Cholesterol blood rates on mice which gave high fat feeding. The dose of 100 mg/kg body weight give the biggest effect to decrease LDL – Cholesterol blood rates.

Key words : extract of mahkota dewa fruit, LDL – Cholesterol blood rates.