HAEMOGLOBIN AND PCV (Packed Cell Volume) BLOOD LEVELS OF RAT (Rattus norvegicus) WITH PINANG SEED (Areca catechu) EXTRACT TREATMENT

Mediarta Kusuma

ABSTRACT

The aim of this research was to gather the effect of the treatment with pinang seed extract on haemoglobin and Packed Cell Volume blood levels of rat (Rattus norvegicus). There were studied 32 wistar rats, males, between 100-200 gr assigned in four group of eight animals each one. Grup 1 served as control/P0 received (aquades + CMC/Na(1ml)), Group 2/P1 received Areca catechu extract dose I(42mg/200g BW), Group 3/P2 received Areca catechu extract dose II (52mg/200g BW), Group 4/P3 received Areca catechu extract dose III (84mg/200g BW). All animals were tested 14 days post treatment. The statistic method ANOVA was applied for data treatment. There were no significant differences (p>0.05) in haemoglobin and Packed Cell Volume blood levels between treatment.

Keyword: Rat, Areca catechu, Haemoglobin, Packed Cell Volume