ABSTRACT

NOMINA EXTRACT EFFECT ON RENAL HISTOPATHOLOGIC PICTURE IN WHITE MALE RATS INDUCED PARACETAMOL

by

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Nomina has been used for natural food sources since time immemorial. Nomina has been proven to contain the active chemical compound that are antioxidants, but is still a few scientific evidence on the effect of nomina protective against kidney damage.

This research aiming for to prove protective effect nomina extract against the picture of kidney demage and knowing increase dosage nomina extract with picture kidney demage of white male rats. This Subjek research use 25 white male rats with 5 replication in each group rats were divided into 5 group, there are negative control (given aquades), positif control (given paracetamol 2,25 ml/200gr/day), group I (given nomina extract 0, 27 ml/day and paracetamol 2,25 ml/200 gr/ day), group II (given nomina extract 0,54 ml/day and paracetamol 2,25 ml/200gr/day), group III (given nomina extract1,08 ml/day and paracetamol 2,25 ml/200gr/day) occur 42 day this research used a randomized controlled.

In day-42, rats has given kloroform and than surgery then kidney’s rats make to preparat with blog parafin metode and colouring Hematoksilin Eosin. Renal histopathological picture observe and calculate based on the amount of damage in the form swelling of cell in the proximal tubulus. The test result of one way ANOVA, there is a picture the effect of treatment kidney damage mice was significantly. Analysis test Post-Hoc LSD it can result p<0,05 so it’s meaning there is significant differences damage to proximal tubulus in kidneys white male rats found between the groups.

So, nomina have protective effect to kidney’s white male rats damage have already induced paracetamol. The increasing dosage nomina it can increasing protective effect to kidney’s white male rats damage have already induced paracetamol.

Keywords: Nomina, Protective effect, Kidney proximal tubulus, Paracetamol