

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 compounds that are antioxidants, but there is still a few scientific evidences on the effect of nomina protective against kidney damage.

This research aims to prove protective effect nomina extract against the picture of kidney damage and knowing increase dosage nomina extract with picture kidney damage of white male rats. This subject research use 25 white male rats with 5 replication in each group rats were divided into 5 groups, there are negative control (given aquades), positive 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 extract 1,08 ml/day and paracetamol 2,25 ml/200gr/day) occur 42 days this research used a randomized controlled.

In day-42, rats have given kloroform and then surgery then kidney's rats make to prepare with block paraffin method and coloring Hematoxylin 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 significant. Analysis test *Post-Hoc LSD* it can result $p < 0,05$ so its 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