



**EFFECT OF *Broussonetia luzonensis* (HIMBABAO) LEAF EXTRACT ON
BLOOD URIC ACID LEVEL OF POTASSIUM OXONATE-INDUCED
HYPERURICEMIA IN *Rattus norvegicus* (ALBINO RATS)**



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ABSTRACT

The study aims to find the reduction potential of *Broussonetia luzonica* leaf extract on Potassium Oxonate-induced hyperuricemia albino rats and determine if there are significant differences on different concentrations used in the study. The study started with the test subjects pre-induction for one week and induced with 0.2 mL Potassium Oxonate with distilled water once. The test subjects' blood uric acid levels will be measured three times: pre-induction, induction period, and post-induction. Once the test subjects were induced, they will be treated for one week using the leaf extract. Among the four test groups, the fourth test group (9.30 mg/dL) had the highest reducing potential of hyperuricemia followed by the third test group (6.63 mg/dL) then the positive control (2.13 mg/dL) and lastly the second test group (0.53 mg/dL). All test groups have shown a reducing potential and this is attributed by the phytochemicals of the plant namely: flavonoids, phenolic compounds and alkaloids, phytosterols, and squalene, which are all said to be xanthase oxidase inhibitors and anti-oxidants.

Keywords: *Broussonetia luzonica*, hyperuricemia, Potassium Oxonate, uric acid