

## ABSTRACT

**Aprillinda Fitri Wulandari. B4110102. The Influence of Provision of Noni on The Changes of Blood Uric Acid Levels of Rattus Norvegicus Hyperuricemia. Adviser Commission, Leader: Ir. Heri Warsito, MP, Member: Devi Ermawati S.Gz, M.Gizi, Discussant: Agustina Endah W.,S.Sos.M.Kes**

Hyperuricemia is a clinical syndrome that has a specific description before acute arthritis due to uric acid production exceeds normal limits. Normal uric acid levels of adult women are 2.4 to 5.7 mg / dl and in men are 3.4 to 7.0 mg / dl. Noni (*Morinda citrifolia* liin) is a medicinal plant that is well known by the people of Indonesia. Noni is rich in antioxidants, one of which is ascorbic acid or commonly called Vitamin C. The content of vitamin C in 100 grams of noni is 117 mg of Vitamin C. The purpose of this study is to determine the effect of noni (*Morinda citrifolia* liin) toward changes in blood uric acid levels of *rattus norvegicus* wistar hyperuricemia. This research is true experimental pre-test - post-test with control group design. The sample is male Wistar rats aged 2 months, induced potassium oksonat, and given noni juice dosage 3.8 gr / 200 gr rat BW / day, 4.6 g / 200 g rat BW / day, and 5.3 g / 200 g rat BW / day, for 8 days. Uric acid levels are checked using Enzymatic Photometric method, TBHBA. Data is analyzed by paired t test and ANOVA, followed by LSD test. There are changes in uric acid levels before and after treatment in the 2 treatment groups ( $p < 0.05$ ) at a dose of noni juice 4.6 gr / 200 gr rat BW / day with a percentage of 15%. Provision of Noni juice can lower blood uric acid levels equivalent with drug probenecid.

Keywords: Noni Juice, Blood Uric Acid Levels, Hyperuricemia.