The Analysis of Applying Extract Young Melinjo Fruit (*Gnetum Gnemon Linn)* Peel on Uric Acid Level on Male Mice Balb-C (*Mus Musculus L.*). (Pengaruh Pemberian Sari Kulit Buah Melinjo *(Gnetum gnemon Linn)* Muda Terhadap Kadar Asam Urat Darah Pada Mencit Jantan Balb-C (*Mus musculus* L.)).

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ABSTRACT

The uric acid is naturally found in human body in a form of acid crystals which is known from the end result of purine metabolism. The excessive increase level of uric acid in the blood will lead to hyperuricemia. After being analyzed, the extract of young melinjo fruit peel contains 91 mg of Vitamin C. This vitamin C is useful for reducing uric acid level in the blood. The purpose of this study is to determine the analysis of applying young Melinjo fruit (*Gnetum gnemon Linn*) peel in uric acid level on male mice balb-c (*Mus musculus L.*) This research *uses true experimental* by using *randomized pre and post-test control group design*. The samples were male mice balb-c aged 2 months by inducting chicken's liver juice and giving them the extract young Melinjo peel in dose of 0,07 ml/ day, for 7 days. The measuring of uric acid level is done by taking blood samples through orbital sinus with hematocrit pipe. The measurement of the uric acid level uses uricase method (*colorimetric enzymatic*) by using *biolyzer*. The data research is analyzed by using *Paired t-test* and *One Way Anova* and it continued by using *Duncan* test. As result, the extract of young Melinjo Peel has a significant influence on the reduction of uric acid level in the blood ($p = 0,001$).

Key words: Melinjo Peel, Uric Acid, Hyperuricemia.