

ABSTRACT

Effect of Mango (*Mangifera indica* L) Against Blood Uric Acid Levels In Rat *Rattus norvegicus* Wistar White Males Hyperuricemia, Dian Prasetya Eka Wulandari, Nim B4110206, 2014, 80 pages, Clinical Nutrition, Polytechnic of Jember, Ir.HeriWarsito, MP (Supervisor I), Devi Ermawati S.Gz., M.Nutrition (Supervisor II)

Uric acid is a normal part of the blood and urine. Uric acid is produced from the breakdown and disposal of remains of certain foods that contain purine nucleotides derived from purine nucleotides produced by the body. One of the fruits that contain vitamin C which is mango pulp with vitamin C 89,30 mg in 100 g of fruit (Fouad, 2010). The purpose of this study was to analyze the effect of mango pulp (*Mangifera indica* L) on levels of uric acid in rats (*Rattus norvegicus*) induced potassium oxonate males. This research is true experimental pre-test -post-test with control group design. The sample is male Wistar rat aged 2 months, high-fat diet induced, and was given a dose of mango fruit 5g, 6g, and 7g/200 g BB rats, for 15 days. Data were analyzed by paired t test and ANOVA, followed by LSD test. There are differences in total uric acid levels before and after treatment in the treatment group 1, 2 and 3 ($p < 0.05$) with mango fruit dose of 5g/200g BB rats/day, 6g/200 g BB rats/days with and 7g/200gr BB rats/day decreased by 9.44%, 14.28% and 19.55%. Giving mango pulp can lower blood uric acid levels equivalent drug probenecid.

Keywords : Mango (*Mangifera indica* L), Uric Acid Levels, Hyperuricemia