

ABSTRACT

GEBBY PUTRI NURHAIDA, 2023 . Effect Of Administration of Manisrejo Leaf Extract on Changes in SGOT and SGPT Levels in Broiler Rabbits.

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Background : The content of manisrejo leaves (*Vaccinium varingifolium*) contains flavonoids, steroids, tannins and triterpenoids. Manisrejo leaves can also be used as a fever medicine and body freshener and can also be used as a beauty and fitness treatment, while the fruit is used as a nutritional enhancer. If the liver is injured or damaged, liver cells increase these enzymes into the blood which causes elevated levels of the SGOT and SGPT enzyme. Damage to liver cells due to free radical compound can be overcome with antioxidant compound. Therefore, the body needs an antioxidant compound that comes from outside the body (Exogenous antioxidant) to reduce the presence of excessive oxidant in the body.

Purpose : this research was conducted with the aim of empirically identifying the contents of manisrejo leaf extract, identifying the effect of giving manisrejo leaf extract on changes in rabbit body weight and drinking residue, and knowing the effect of giving manisrejo leaf extract on SGOT and SGPT levels in broiler rabbits.

Methods : the data processed in the study included the contents of the manisrejo leaf extract, the body weight of the rabbits before and after being given the manisrejo leaf extract, the changes in the administration of the manisrejo leaf extract to changes in SGOT and SGPT levels. Analysis of research data to test the normality of the data using Shapiro-Wilk test then if the test is normal using the one way ANOVA statistical test if the distribution is not normal using the Kruskal-Wallis test.

Results : the content of the manisrejo leaf extract, which has an antioxidant effect, namely flavonoids, increased the rabbits weight before and after treatment because in manisrejo leaves there are antioxidant compounds called flavonoids which can increase appetite, decrease and increase the rest of the drink from the group before being given treatment. And after being treated and administration of manisrejo leaf extract to changes in SGOT level each with a p-value 0,198, which means there is no significant difference between administration of manisrejo leaf extract to SGOT levels while for changes in SGPT levels obtained a p-value of 0,180 which meaning that there is also no significant difference between administration of manisrejo leaf extract and SGPT levels.

Conclusion : administration of manisrejo leaf extract is quite effective in reducing SGOT and SGPT levels.

Keywords: Manisrejo leaf extract, SGOT, SGPT, Meat Rabbit