EFFECT OF INFUSUM SALAM LEAVES (Eugenia polyantha) testis spermatogenic cells AMOUNT OF WHITE RATS (Rattus norvegicus) induced alloxan

Abstrak:

This research was aimed to know the effect of infusum salam leaves (Eugenia polyantha) on the appearance of testicular spermatogenic cells white rats (Rattus norvegicus) with diabetes mellitus. A number of 25 white rats (Rattus norvegicus) strain Wistar were divided into 5 groups. The pancreas of 4 groups was damaged using a doses of alloxan 200 mg/kg intraperitoneally. After state hyperglycemia condition, 3 groups was treatment with a dose therapy of infusum salam leaves (P1) 412.5 mg/150gbb, treatment (P2) 825 mg/150gbb and treatment (P3) 1237.5 mg/150gbb dose, one group as a control negative as the normal group and one group as a control positive was induced with alloxan but without infusum salam leaves treatment. The treatment was for 48 days, the mice were killed and were taken the testes organs to made a histopathology preparations using Hematoxylin-eosin staining (HE). The result of the study showed that infusum salam leaves (Eugenia polyantha) giving on treatment groups led to an increase in the number of spermatogenic cells (p <0.05) at all doses compared to positive controls. Treatment (P3) 1237.5 mg/150gbb dose can increase the amount of the highest spermatogenic cells.

Keyword:

Daftar Pustaka:
