THE EFFECT OF ADDING SALAM LEAVES INFUSUM (Eugenia polyantha) TO HISTOPATHOLOGICAL FEATURE OF RAT (Rattus norvegicus) PANCREAS INDUCED BY ALOXAN

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Abstract

This research was aimed to know the effect of adding Salam leaves (Eugenia polyantha) infusum to histopatological feature of rat (Rattus norvegicus) pancreas induced by aloxan. Twenty five male rats ± 2 months of ages was devided into 5 groups. This rat were adapted for seven days and followed by fourteen days. The treatment K(-) was not induced by aloxan, K(+) was induced by aloxan and not gave infusum of salam leaves, P1 was induced by aloxan and gave infusum of salam leaves 41.25 mg/150kgBB, P2 was induced by aloxan and gave infusum salam leaves 825 mg/150kgBB, P3 was induced by aloxan and gave infusum salam leaves 1237.5 mg/150kg/BB. This research used completely randomized design and the result was analyzed by ANOVA (Analyzed of Variance) continued with Tukey HSD Test method and processed by using SPSS computer software program. The results of this research showed that adding 825 mg/kgBW (P2) significantly diference in number of β cells pancreatic islet than adding 412.5 mg/kgBW (P1), 1237.5 mg/kgBW (P3) and positive control (K(+)).

Keywords : Infusum, pancreas, Rattus norvegicus, aloxan.