THE EFFECT OF VITAMIN E ANTIOXIDANT TOWARDS HISTOPATOLOGICAL CHANGING OF A ALBINO RAT (*Rattus norvegicus*) DUE TO ELECTRIC SHOCK STRESSOR

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ABSTRACT

This research aimed to observe the effect of vitamin E antioxidant toward histopatological changing of albino rat (*Rattus norvegicus*) with electric shock stressor.

This research was using 21 wistar rats 3 month age. The experimental animal was devided into three groups and each treatment using 7 rat. Those were, P0 = negative control (using 3 ml drug solution), P1 = positive control (using 3ml drug solution and electric shock), P2 =using 3ml of vitamin E emulsion 400 IU and electric shock. The treatments were carried out every morning within 14 days. After all of those treatment done, the rat of P0, P1and P2 were treated until finally die. Then, those rat were operated and the gastric were taken and the preparation histology was made. The result of histopatological examination was score, the mean of data which was continued by Kruskal-Wallis test, if there is significant difference (\(H_{\text{hitung}} > H_{\text{table}}\)), it would continued by \(Z\) 5% test.

The result indicated vitamin E influences gastro histopatological description, that was degeneration. The Kruskal-Wallis test result showed that P1 was give significant difference with P2 and P0. P2 wasn’t significant difference with P0 but P2 was significant difference (\(P<0.05\)) with P1.

Key word: Vitamin E, Stressor