

**EFFECT OF JACKFRUIT BARK (*Artocarpus heterophyllus* Lamk.) EXTRACT  
ON CEREBRUM HISTOPATHOLOGICALLY IN  
MICE (*Mus musculus*) INFECTED WITH *Toxoplasma gondii***

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**ABSTRACT**

The aim of this study is to find out the effect of jackfruit bark (*Artocarpus heterophyllus* Lamk.) extract on cerebrum of mice infected with *Toxoplasma gondii* histopathologically. Twenty four mice divided into six groups of treatment, i. e. negative control (P0-), administered with 0.5 % CMC Na, positive control (P0+) with spiramycin 150 mg/kg, and P1, P2, P3, P4 with 200 mg/kg, 100 mg/kg, 50 mg/kg, 25 mg/kg respectively. The treatment was performed on 5 consecutive days, the next day after treatment, they were sacrificed, the cerebrum were harvested and prepared for histopathological examination. Statistical analysis were performed using *kruskal-wallis* test, followed by *Mann-Whitney* test. The result shows necrosis and gliosis in all specimens, but not different significantly between groups ( $p>0,05$ ).

**Keywords :** Jackfruit bark (*Artocarpus heterophyllus* Lamk.), *Toxoplasma gondii*, cerebral histopathology.