

**INFLUENCE OF *Hibiscus sabdariffa* L. CALYX EXTRACT ON
ALVEOLAR HISTOPATHOLOGICAL FEATURE OF
CIGARETTE SMOKE EXPOSED MICE**

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ABSTRACT

The purpose of this study was to know influence of *Hibiscus sabdariffa* L. calyx extract on alveolar histopathological feature of cigarette smoke exposed mice. Twenty male mice (*Mus musculus*) aged 3 months old with 25-30 g of body weight were divided into four groups. There were P1 (without cigarette smoke and *Hibiscus sabdariffa* L. ethanol extract), P2 (cigarette smoke), P3 (250 mg/kg body weight of *Hibiscus sabdariffa* L. ethanol extract and cigarette smoke), and P4 (500 mg/kg body weight of *Hibiscus sabdariffa* L. ethanol extract and cigarette smoke). This research has been conducted for 14 days. The data were analyzed by *Kruskal-Wallis* test. The result showed that *Hibiscus sabdariffa* L. calyx extract did not influence congestion, hemorrhage, and thickening of alveolar septa on alveolar histopathological feature of cigarette smoke exposed mice.

Keywords: *Hibiscus sabdariffa*, alveolar histopathological feature, cigarette smoke