

**A HISTOLOGICAL INVESTIGATION ON THE EFFECT OF
Orthosiphon aristatus (CAT'S WHISKER) CRUDE
EXTRACT ON THE SKIN OF MALE ALBINO
MICE EXPOSED IN UVB LIGHT**

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ABSTRACT

This study investigated the histological property of *Orthosiphon aristatus* (cat's whisker) crude extract in the prevention of the hazardous effect of UVB light on the exposed dorsal skin of forty five (45) male albino mice. Different concentrations were used in performing the actual experimentation: 25%, 50%, 75%, and 100%. After the administration of different concentrations of cat's whisker crude extract, the test specimen were subjected to thorough exposure to UVB light, using UVB range with 280nm-320nm in a sealed cage for six (6) weeks. The later weeks of the experiment showed lesions in dorsal skin area of the mice upon topical administration of *O. aristatus* crude extract for six weeks. After six weeks of experimentation, the test organisms were sacrificed and the skin was processed for histological section and observed under the photomicroscope at 100x magnification (HPO). Histological sections taken from lesioned skin showed that there is a progressive growth of hair and physical appearance of the skin cells showed a preventive effect of the crude extract. Inhibitory effect of the *O. aristatus* showed prevention of skin cell degeneration and hyperproliferation.

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