



IXORA COCCINEA (SANTAN) FLOWER AS ANTI-OXIDANT TEA

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ABSTRACT

Ixora coccinea (Santan), is renowned for its medicinal properties, particularly its antioxidant, anti-inflammatory, and astringent effects. The flower's extract, rich in flavonoids, steroids, and tannins, exhibits significant antioxidant activity, capable of scavenging harmful free radicals and reducing lipid peroxidation. This antioxidant action is essential for cellular protection and overall human health. The researchers tested the effectiveness of the different concentrations of Santan flowers as an anti-oxidant tea.

Flowers of *Ixora coccinea* (Santan) were gathered, washed, dried using sunlight, ground, and steeped as tea. The extract was divided into three parts, considering its volume and concentration. The tea made with 30mL, 35mL, and 40mL, extracts was produced and tested on white mice to see if the effectiveness would vary.

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ISSN: 2704-3010

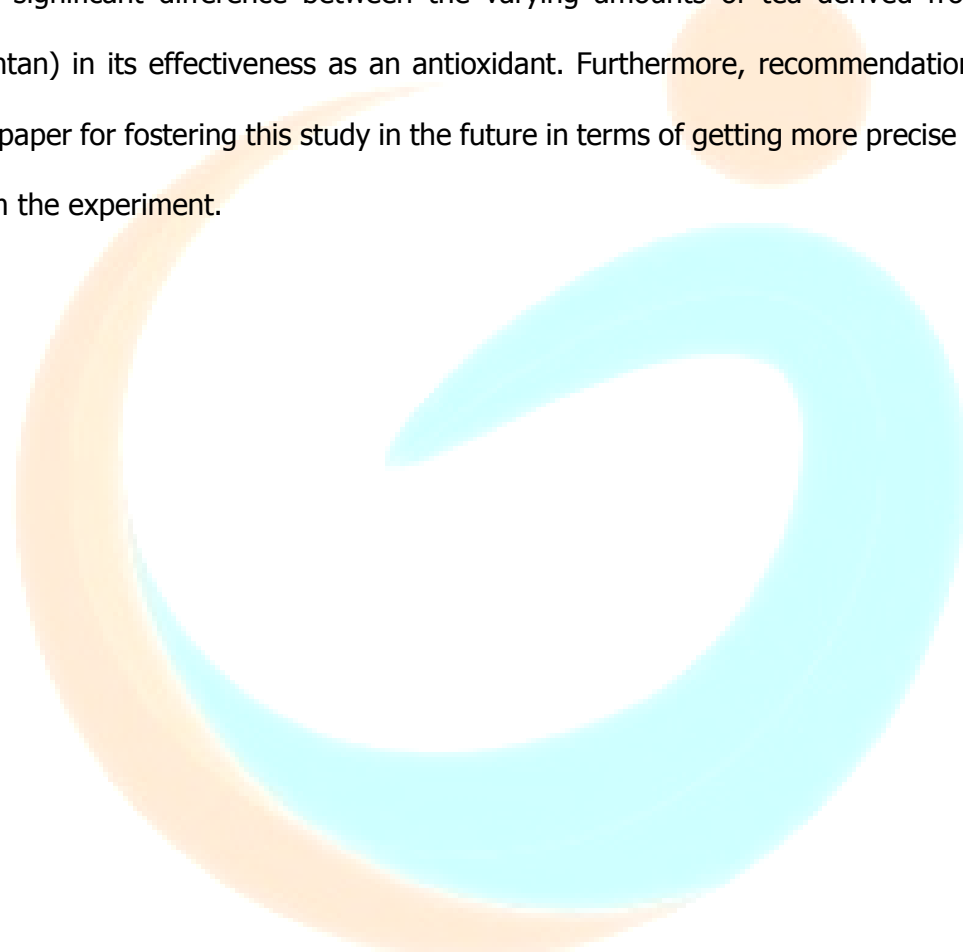
Volume V, Issue IV

May 2024

Available online at <https://www.instabrightgazette.com>



After conducting this study, the researchers have concluded that phytochemicals like flavonoids and anthocyanin from the flowers of Ixora Coccinea promote anti-oxidant compounds. The proponents of the study determined that the tea will be more potent if there is a higher concentration of phytochemicals extracted from the flowers. The proponents concluded that there is a significant difference between the varying amounts of tea derived from Ixora coccinea (Santan) in its effectiveness as an antioxidant. Furthermore, recommendations are included in the paper for fostering this study in the future in terms of getting more precise and accurate data from the experiment.



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