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## BIANCAEA SAPPAN (SIBUKAW) TEA FLOWER AS A ANTIOXIDANT

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### ABSTRACT

In recent times, the rise in health complications parallels the evolving generations and changing lifestyles. *Biancaea Sappan*, commonly known as *Sibukaw*, is a tropical tree species native to Southeast Asia. It is renowned for its vibrant red heartwood, which has been traditionally used for various purposes, including dyeing, medicine, and woodworking. Recent research interest in *Biancaea Sappan* (*sibukaw*) flower from its potential therapeutic properties, particularly its antioxidant effects. Studies have revealed that *Biancaea Sappan* (*sibukaw*) contains compounds with potent antioxidant properties, which can help neutralize harmful free radicals in the body. These antioxidants have been linked to various health benefits, including reducing inflammation, protecting against cellular damage, and potentially lowering the risk of chronic diseases such as cancer and cardiovascular disorders. The plant has attracted attention from researchers due to its potential therapeutic properties and cultural significance. Studies have explored its pharmacological properties, such as its antioxidant. Additionally, its use in traditional

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medicine for treating various ailments has sparked interest in uncovering its medicinal properties and potential applications in modern healthcare. The study incorporated Biancaea Sappan (sibukaw) flowers into tea formulations across four groups: Treatment A, B, C, and a control group. These treatments, with concentrations containing from 10 mL, 20 mL, and 30 mL of water solution and tested on white mice. The research showed that the effects of the tea derived from Biancaea Sappan (sibukaw) varied depending on the concentration used. Over a three-day period, no changes or problems were made even with different water concentration. Consequently, the research disproved the null hypothesis. Additionally, the researchers recommend delving into the subject for dependable results.

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