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Molecular docking of active compounds from kepok banana peels on the nf-k β pathway

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Inflammation in acne vulgaris is initiated by overgrowth of *Propionibacterium acnes*. These bacteria will produce chemotactic factors to stimulate the secretion of IL-6 and IL-8 by keratinocytes. The production of these cytokines involves the activation of toll-like receptor 2. The production of these proinflammatory cytokines originates from the activation of the NF- pathway. Until now, standard therapy for acne vulgaris caused skin irritation and antibiotics trigger resistance. Thus, other therapeutic approaches are needed, such as materials derived from plants. Banana peel as waste has not been widely used, especially as an anti-inflammatory agent for acne vulgaris.

This study aims to investigate the molecular docking bioinformatics between the active compound of kepok banana peel on the NF-k β pathway.

Biography

Dwiana Savitri is a dermatologist from Banjarmasin, Indonesia. She has completed her dermatology specialty in 2005 from Airlangga University, Surabaya, Indonesia. While working as a dermatologist in Ansari Saleh General Hospital and a lecturer in Lambung Mangkurat University in Banjarmasin, she also took a Doctoral Program in Dermatology at Hasanuddin University, Makassar, Indonesia.

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