

**Formulation of Anti Angin Crean and Foundation Preparation of Creen
Tea Extract (*Canellia sinensis* L.)**

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**FAKULTAS FARMASI
UNIVERSITAS PADJADJARAN**

**FORMULATION OF ANTI AGING CREAM AND FOUNDATION PREPARATIONS
OF GREEN TEA EXTRACT
(CAMELLIA SINENSIS L.)**

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ABSTRACT

The study was conducted to determine the antioxidant activity of green tea extracts (*Camellia sinensis* L.) and got the dosage formulation of anti-aging cream combination with foundation with three variations of the concentration of a stable extract, and could be use safely. Antioxidant activity assay was conducted by Diphenypicrylhydrazyl (DPPH). The results showed that green tea leaf extracts (*Camellia sinensis* L.) had antioxidant activity with IC_{50} value of 5,51 ppm and could be formulated with three variations of the extract concentration in the amount of 0,05%, 0,15%, and 0,25%. Then, it was conducted a physical quality test including organoleptis, pH, viscosity, homogeneous, and centrifugation for 28 days of storage at temperature of 8°C, 25°C, and 40°C. Observations indicated that the result of the combination anti-aging cream with foundation preparation had good physical stability. Test result of antioxidant activity of the best cream preparations contained in the concentration of 0,25% and did not irritate the skin so that it could be use safely.

Keyword : Antioxidant, Cream, DPPH, Foundation, Green tea.

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Formulation of Anti Aging Cream and Foundation Preparations of Green Tea Extract (*Camellia sinensis* L.)

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