



2nd International Conference on
DERMATOLOGY AND COSMETOLOGY
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TITLE: Physical Evaluation of Anti Acne Mask With Ethanol Extract of Purple Sweet Potato Leaf (*Ipomoea batatas* (L.) Antin-3 Varieties

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ABSTRACT (upto 300 words)

The ethanol extract of purple sweet potato leaves (*Ipomoea batatas* (L.)) of the Antin-3 variety contains flavonoids and polyphenols which can be used as a source of anti-bacterial acne because it can inhibit the growth of *Staphylococcus aureus*. This research aims to obtain data on the physical properties, acceptability and stability of the 70% ethanol leaf extract anti-acne mask formulation of the Antin-3 variety. The research method used is characteristics, acceptability and stability tests. There were 4 types of samples tested, namely alkaline, anti-acne mask, Antin-3 leaf extract of 5%:10% and 20% (B: F1: F2: F3). Organoleptic results show that the higher the extract concentration, the darker the color of the mask and the stronger the aroma of the extract and the softer the consistency. The pH values (B: F1: F2: F3) are 6.46; 5.78; 5.75; 5.46. Adhesion strength values (B: F1: F2: F3) are 1.1; 1.46; 2.17 and 4.53 seconds. The spreading power values (B: F1: F2: F3) are 3.89; 4.15; 4.36 and 3.45cm. Acceptability test results show that F2 is the formula that is easiest to apply, clean and has the softest sensation on the skin. The results of mechanical and cycle tests show that the four samples have not experienced phase separation. Anti-acne mask with 70% ethanol extract of Antin-3 leaves of 10% meets the physical properties, acceptability and stability.

BIOGRAPHY (upto 200 words)

Damaranie Dipahayu has completed her master degree at the of 31 years from Pharmacy Faculty of Airlangga University, Indonesia. She is the lecturer at Pharmacy Academy Surabaya (Technology Formulation Departement), Indonesia. She has 26 publications that have been cited 41 times, and her publication h-index is 4.



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3. Formulation and Physical Stability Test of Sunscreen Cream of Purple Sweet Potato Leaf Extract (*Ipomoea batatas* L.) Antin-3 Variety Nanocapsulated
4. Effervescent Granule Formulation of Purple Sweet Potato Leaf Extract (*Ipomoea batatas* L.) Antin 3 Variety As an Antioxidant Nutraceutical
5. Instant Granule Formulation from Ethanol Extract of Purple Sweet Potato Leaves (*Ipomoea batatas* L.) Antin-3 Variety

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Mode of Presentation: Oral

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