



UNIVERSITAS AIRLANGGA
FACULTY OF PHARMACY

COSMETICS

Research Group

Cosmetics Research Group is a part of the Faculty of Pharmacy, Universitas Airlangga. This research group was founded for pharmaceutical sciences excellence. Main research of this research group are cosmetic delivery system and its evaluation to produce cosmetic preparations with quality standards and requirements (stable, effective, safe, and acceptable). The studies are anti-aging preparations, sunscreens, skincare, and hair extension

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The Expert



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The Selected Publications

1. Characterization and Stability Study of Amniotic Membrane Stem Cell Metabolite Product (AMSC-MP). (2020) <https://doi.org/10.21276/ijprhs.2020.01.02>
2. Peel-off Emulgel Mask of *Cocos nucifera* L. Extract using Gelling Agent Carbomer 940 as Antiacne against *Propionibacterium Acnes* ATCC 11827. (2020) https://doi.org/10.4103/japtr.JAPTR_51_20
3. Characteristics and Stability of Nanostructured Lipid Carrier (NLC) *Aleurites moluccana* Seed Oil (AMs oil) Using Various Combinations of Beeswax and *Oleum Cacao*. (2019) <https://doi.org/10.25258/ijddt.9.1.15>
4. Enhancing Skin Penetration of Epigallocatechin Gallate by Modifying Partition Coefficient Using Reverse Micelle Method. (2019) <https://doi.org/10.4155/tde-2019-0015>
5. Effect of Lipid Composition on Nanostructured Lipid Carrier (NLC) on Ubiquinone Effectiveness as an Anti-aging Cosmetics. (2018) <https://doi.org/10.25258/ijddt.8.3.5>
6. Virgin Coconut Oil as Oil Phase in Tretinoin Nanoemulsion. (2017) <https://doi.org/10.25258/ijddt.v7i1.8915>

The Current Research

Cosmetics Research Group has been studying of active ingredients. These include Ubiquinone (Q10), Resveratrol, Epigallocatechin Gallate (EGCG), Stem Cell Metabolite Product (AMSC-MP), Tretinoin with various delivery systems such as Nanoemulsion, Solid Lipid Nanoparticle (SLN), Nanostructured Lipid Carrier (NLC), Microparticles, Transfersomes to develops as an antiaging in various forms of preparation. In addition, the development of hair-fertilizing preparation formula with the active ingredients of candlenut oil.

This research group **opens up collaboration** opportunities with small and medium-sized industries and multi-national industries.

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