

Author's Accepted Manuscript

Anti-aging properties of *Curcuma heyneana*
Valeton & Zipj: A scientific approach to its use in
Javanese tradition

Idha Kusumawati, Kresma Oky Kurniawan,
Subhan Rullyansyah, Tri Anggono Prijo, Retno
Widyowati, Juni Ekowati, Eka Pramytha
Hestianah, Suprpto Maat, Katsuyoshi Matsunami



PII: S0378-8741(18)30522-1
DOI: <https://doi.org/10.1016/j.jep.2018.06.038>
Reference: JEP11428

To appear in: *Journal of Ethnopharmacology*

Received date: 11 February 2018

Revised date: 25 June 2018

Accepted date: 28 June 2018

Cite this article as: Idha Kusumawati, Kresma Oky Kurniawan, Subhan Rullyansyah, Tri Anggono Prijo, Retno Widyowati, Juni Ekowati, Eka Pramytha Hestianah, Suprpto Maat and Katsuyoshi Matsunami, Anti-aging properties of *Curcuma heyneana* Valeton & Zipj: A scientific approach to its use in Javanese tradition, *Journal of Ethnopharmacology*, <https://doi.org/10.1016/j.jep.2018.06.038>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Anti-aging properties of *Curcuma heyneana* Valetton & Zipj: A scientific approach to its use in Javanese tradition.

Idha Kusumawati^{a*1}, Kresma Oky Kurniawan^a, Subhan Rullyansyah^a, Tri Anggono Prijo^b, Retno Widyowati^a, Juni Ekowati^c, Eka Pramyrtha Hestianah^d, Suprpto Maat^e, Katsuyoshi Matsunami^{f1}

^aPharmacognosy and Phytochemistry Department, Faculty of Pharmacy, Airlangga University, Jl. Dharmawangsa Dalam 60286, Surabaya, Indonesia.

^bPhysics Department, Faculty of Science and Technology, Airlangga University, Jl. Mulyorejo, Surabaya 60115, East Java, Indonesia.

^cPharmaceutical Chemistry Department, Faculty of Pharmacy, Airlangga University, Jl. Dharmawangsa Dalam, Surabaya 60286, East Java, Indonesia

^dVeterinary Anatomy Department, Faculty of Veterinary, Airlangga University, Jl. Mulyorejo, Surabaya 60155, East Java, Indonesia.

^eClinical Pathology Department, Faculty of Medicine, Airlangga University, Jalan Mayjen Prof. Dr. Moestopo 47, Surabaya 60132, East Java, Indonesia.

^fDepartment of Pharmacognosy, Graduate School of Biomedical & Health Sciences, Hiroshima University 1-2-3, Kasumi, Minami-ku, Hiroshima, Japan, 734-8553.

¹ KM and IK are corresponding equally

Download English Version:

<https://daneshyari.com/en/article/8532040>

Download Persian Version:

<https://daneshyari.com/article/8532040>

[Daneshyari.com](https://daneshyari.com)