

Author's Accepted Manuscript

^1H NMR and antioxidant profiles of polar and non-polar extracts of persimmon (*Diospyros kaki L*) - metabolomics study based on cultivars and origins

M. Maulidiani, Ahmed Mediani, Faridah Abas, Yong Seo Park, Yang-Kyun Park, Young Mo Kim, Shela Gorinstein



www.elsevier.com/locate/talanta

PII: S0039-9140(18)30198-X
DOI: <https://doi.org/10.1016/j.talanta.2018.02.084>
Reference: TAL18403

To appear in: *Talanta*

Received date: 4 January 2018
Revised date: 20 February 2018
Accepted date: 20 February 2018

Cite this article as: M. Maulidiani, Ahmed Mediani, Faridah Abas, Yong Seo Park, Yang-Kyun Park, Young Mo Kim and Shela Gorinstein, ^1H NMR and antioxidant profiles of polar and non-polar extracts of persimmon (*Diospyros kaki L*) - metabolomics study based on cultivars and origins, *Talanta*, <https://doi.org/10.1016/j.talanta.2018.02.084>

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.

¹H NMR and antioxidant profiles of polar and non-polar extracts of persimmon (*Diospyros kaki* L.) - metabolomics study based on cultivars and origins

**M. Maulidiani¹, Ahmed Mediani², Faridah Abas^{1,2,*}, Yong Seo Park³, Yang-Kyun Park⁴,
Young Mo Kim⁵, Shela Gorinstein^{6*}**

¹Laboratory of Natural Products, Institute of Bioscience, Universiti Putra Malaysia, 43400 Serdang, Selangor, Malaysia

²Department of Food Science, Faculty of Food Science and Technology, Universiti Putra Malaysia, 43400 Serdang, Selangor, Malaysia.

³Department of Horticultural Science, Mokpo National University, Muan, Jeonnam, South Korea

⁴Department of Food Engineering, Mokpo National University, Muan, Jeonnam, South Korea

⁵Department of Food Nutrition, Gwangju Health University, Gwangsan-gu, Gwangju, South Korea

⁶Institute for Drug Research, School of Pharmacy, Hadassah Medical School, The Hebrew University, Jerusalem 91120, Israel

faridah abas@upm.edu.my

shela.gorin@mail.huji.ac.il

*Corresponding authors:

ABSTRACT

Persimmon (*Diospyros kaki* L.) is one of the most important fruits that has been consumed for its medicinal properties due to the presence of some active metabolites, particularly polyphenols and carotenoids. Previously described methods, including HPLC, were limited in the determination of metabolites in different persimmon varieties. The present study shows the evaluation and the differences among persimmon polar and non-polar extracts

Download English Version:

<https://daneshyari.com/en/article/7676610>

Download Persian Version:

<https://daneshyari.com/article/7676610>

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