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Comprehensive extraction and NMR-based Metabolomics : novel approaches to natural products lead finding in drug discovery

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Citation

Yuliana, N. D. (2011, June 9). *Comprehensive extraction and NMR-based Metabolomics : novel approaches to natural products lead finding in drug discovery*. Retrieved from <https://hdl.handle.net/1887/17704>

Version: Not Applicable (or Unknown)

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Note: To cite this publication please use the final published version (if applicable).

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Acknowledgements

When I was accepted as an MSc student in the Department of Pharmacognosy by Prof. Robert Verpoorte in August 2005, it was my start-point to uncover and to develop my other self-potentials. Learning so many new subjects in this department with his excellent supervision was such an exciting experience for me. The terms of NMR, metabolomics, bioactive compounds, and multivariate data analysis were introduced by Dr. Young Hae Choi and Dr. Hye Kyong Kim. Their guidance and advice in these subjects gave me invaluable insights. Prof. Adriaan P. IJzerman, Thea Mulder, and Henk de Vries from the Division of Medicinal Chemistry, Leiden/Amsterdam Center for Drug Research, had kindly given me permission to work in the C-Laboratory for the adenosine A₁ and CB₁ receptor bioassay while Dr. Henrie Korthout from Fytagoras Plant Science BV had taught me to work with the CB₁ receptor bioassay. Without all their support, it would have been impossible to do the medicinal plants chemical profiles and bioactivities correlation study.

I am grateful to the Committee of Phytochemical Society of Europe Joint Meeting 1999 Fund for financial support during my study. The project in this thesis was also partially funded by the Nobesinkas project.

I am thankful to Dr. Alfi Khatib as the first friend who helped me to get settled from the first day I arrived at Schiphol, and for his scientific support during the initial stage of my study until the first year of my PhD before he finally left for Malaysia.

I would also like to thank Dr. Muhammad Jahangir for all his support during my stay in Leiden, thank you for all fruitful scientific discussions and thank you for running my NMR samples no matter during weekends or other holidays.

I acknowledge Dr. Annelies Schulte for the Dutch translation of the summary of this thesis. I would like to thank Dr. Natalia Ria Mustafa for her encouragement especially when I missed my children. I also thank Dela, Nuning, and Dinar for being my best friends whenever I miss to speak in Bahasa. I am grateful to Dr. Teus Luijendijk for his kind assistance for many technical problems I encountered in the lab. I appreciate my Pakistani friends: Kashif, Muzamal, Tayyab, Yahya, and Nadeem for their hospitality, especially when I moved to my new home and needed some strong

Acknowledgements

volunteers. From them I also learnt to spice up my food for a better taste and hopefully for a better health. I would like to thank Barbora, Andrea, and Justin for a very nice five years friendship. I also appreciate Roman, Qifang, Yuntao, Monica, Sonia, Nayra, Tatiana, Dalia, Paul, and all other international friends whose name are not mentioned here. Thank you for coloring my stay in Leiden with different cultures, different thoughts, I am lucky to know you and wish to see you again sometime somewhere.

Last but not the least, I would like to express my special thanks for some very special people in my life, to my Mama and Papa for their continuous love and prayer, and to my two little angels Amira and Khansa who have been very patiently waiting for me in Indonesia. I dedicate this work to you.

Curriculum Vitae

Nancy Dewi Yuliana was born in 1970 in Tasikmalaya, West Java, Indonesia. During 1989 – 1994 she studied in Food Science and Technology Department, Bogor Agricultural University, Bogor, Indonesia. She investigated “The effect of different doses of cofactors and starch breaking-enzymes in the production of high fructose syrup from cassava starch” for her undergraduate research project. She completed her undergraduate studies in January 1994. In 2001 she decided to join the same department as a junior staff in Food Chemistry Division. In 2005, she was granted a STUNED scholarship from The Dutch Government to continue her study in The Pharmacognosy Department, Institute of Biology, Leiden University. She completed her MSc degree in 2007 with an MSc project entitled “Isolation of diuretic compounds from *Orthosiphon stamineus* Benth”. In the same year she continued her academic career by joining a PhD program in the same department for which she received a grant from the Phytochemical Society of Europe Joint Meeting 1999 Fund (PSE). During her PhD research, she developed a new tool for identification of active compounds from crude plant extract by integrating comprehensive extraction and NMR metabolomics.

Apart for her scientific career, since 2001 she has also been working as a halal auditor in The Assessment Institute for Food, Drugs, and Cosmetics (AIFDC), a non-governmental organization which issues halal certificates for food, drugs, and cosmetics in Indonesia under the supervision of Indonesian Council of Oulama. During her stay in Netherlands, she joined Halal Feed and Food Authority (HFFIA) which is a similar organization located in The Hague. Up to now, she has conducted halal audits in many multinational food industries in Asia, Australia, Europe, South America and USA.

Curriculum vitae

List of publications

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10. Yuliana, N.D., Khatib, A., Choi, Y.H., Verpoorte, R. Comprehensive extraction method integrated with NMR metabolomics - a new bioactivity screening procedure for plants: adenosine A1 receptor binding compounds in *Orthosiphon stamineus* Benth. (In preparation to be submitted to *Analytical Chemistry*).