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

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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.

List of publications

1. Yuliana, N.D., Khatib, A., Link-Struensee, A.M.R., IJzerman, A.D., Zakaria, F.R., Choi, Y.H., Verpoorte, R. Adenosine A_1 binding activity of methoxy flavonoids from *Orthosiphon stamineus*. Planta Medica 2009: 75: 132 – 136.

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9. Yuliana, N.D., Korthout, H., Andarwulan, N., Hariyadi, P., Kim, H.K., Verpoorte, R. A review on herbals with adipogenesis inhibition activity. (Submitted to Obesity Facts).

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).