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Development of life cycle assessment for residue-based bioenergy

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Curriculum vitae

Edi Iswanto Wiloso was born in Malang, Indonesia in 1962. He studied at the Senior High School 42 in Jakarta, Indonesia between 1976 and 1980. At the university levels, he got a bachelor degree from the Agroindustrial Technology Department, Bogor Agricultural University, Indonesia in 1984. Following his graduation, he has been employed as a researcher at the Research Center for Chemistry, Indonesian Institute of Sciences (Pusat Penelitian Kimia - LIPI) since 1985. During his employment, he pursued a master degree at the Chemical Engineering Department, University of Waterloo, Canada between 1989 and 1991. His research was about 'anaerobic biodegradation of phenol by mixed cultures in an immobilized fixed bed reactor.'

Since early 2011, he has been working on his PhD at the Institute of Environmental Sciences (CML: Centrum voor Milieuwetenschappen), Leiden University, Netherlands. He undertook a research project on the 'development of life cycle assessment of residue-based bioenergy' under the supervision of Prof. Geert R. de Snoo and Dr. Reinout Heijungs. The plan is that, after completing his PhD, he will continue the career as a senior researcher at LIPI in Indonesia. His current project at this institute is to study the 'life cycle assessment of second-generation bioethanol of oil palm empty fruit bunches based on a pilot-scale production inventory.' Additionally, he has initiated the establishment of Indonesian Life Cycle Assessment Network (www.ilcan.or.id) at the end of 2014. It is a voluntary initiative with the objectives to promote the application of life cycle thinking and life cycle assessment in Indonesia.

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