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### Chemical bonding characters of love herbal medicine

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**A**nti-oxidant with a very high concentration of IC<sub>50</sub>=6.54ng/ml extracted from Golobe halmahera (Zingiberaceae) fruit had made this local fruit a very good candidate for improving human health. Based on this finding, a medicine named as love herbal had been fabricated with a multitasking healing in human body problems. In order to analyze the physical working system of this medicine, one investigated the optical properties of it by using chemical bonding spectroscopy method. We obtain that such medicine has optical uniqueness behaviors which might be closely associated with multitasking healing of human body problems, for example in improving antibody protection of human body from cancer diseases as well as the health of heart and liver. The main indicator associated with that was from a small C-F bonding peak at 1360cm<sup>-1</sup> contributed by love herbal related to the C-H bonding. Moreover, the presence of love herbal in tap water mixed with betadine created a higher peak of C C as well as the shift of C-H bonding from 2949cm<sup>-1</sup> to be 3013cm<sup>-1</sup>. While love herbal interactions with betadine in tap water made a little decrease of C=C bonding at 1697cm<sup>-1</sup>. We suggest that this interesting love herbal may be one of the best multitasking healing medicine.

### Biography

Arend L Mapanawang has completed his PhD from Department of Pharmacy, College of Health Sciences, Yayasan Medika Mandiri Foundation, Halmahera, Indonesia. He is the Director of College of Health Sciences (STIKES Halmahera), Medika Mandiri Foundation, Halmahera, Indonesia. He is the Head of Internal Medicine Departement of Bethesda Hospital in Tobelo North Halmahera, North Moluccas.

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