

## Nano Pharmaceutical 2019: Herbal marine from Laor (Polychaeta) omega complete (omega 3,6,9) as a health supplement- Arend L Mapanawang - STIKES Halmahera, Indonesia

Arend.L.Mapanawang

### Abstract

Sea worms or Laor (Polychaeta) have important benefits as feed shrimp and fish livestock as well as human health supplements where the ingredients which are very rich in various vitamins, proteins that are quite complete and have the uniqueness because it contains 3 omega (omega 3,6,9) in 1 Polychaeta material, this compound is very good for health supplements both for pregnant women, lactating mothers as well as good for heart health and brain. Prevention of atherosclerosis is very good as it has especially omega compounds. With GCMS test (Gas Chromatography- Mass), found various components such as Lauric acid 0.130%, Palmitic acid 25.645%, Palmitic acid 2.148%, ARA 0.481%, EPA 3.866%, DHA 2.458%, medium chain 5.560%, Saturated 40.316%, monoenes 18.968%, Lauric acid 12.89%, behenic acid 0.654%, Cis- 8,11,14-cicosa-trienoic 9.956%, Cis- 11,14 eicosadienoic 4.056%, Linolenic 14.017%, Oleic acid 11.655%, nervonic acid 1.299%, fig tree 0.481%, N-6 29.861%, N-3 5.294%, Mg 2.132%, mg/ ml 21.321%. MTT anti-cancer test 1750µg/ml, FTIR analysis has peak 3738 high, intensity 32, area 28.74, Base (H) 3782, 57, Base (L) 3722,77. With the omega complete (omega 3,6,9), also EPA, DHA, then very useful for brain nutrition, child intelligence, nutrition of breastfeeding mothers, heart health and brain and health generally other than as a nutritional ingredient also has an anticancer. This polychaete only appears once a year in May during the full moon, and at Indonesia only exists in two places, namely Maluku Sea and NTT Sea (East Nusa Tenggara).

### Biography :

Arend L Mapanawang has completed his Ph.D. from the 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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Arend L Mapanawang  
STIKES Halmahera, Indonesia, E-mail: arend\_mapanawang@gmail.com