

To Dr. Ernawati Sinaga

December 26, 2014

Letter of acceptance

Dear Dr. Emawati Sinaga

We are pleased to inform you that your abstract titled "00102_Oral_Abstract_Traditional use of medicinal plants by Dayak-Iban communities in West Kalimantan Indonesia." has been accepted for an oral presentation during The 1st International Conference on Herbal and Traditional Medicine (HTM-2015), Khon Kaen, Thailand, January 28-30, 2015.

Further details for presentation, please see the conference website www.htm2015.com.

We look forward to seeing your presentation and thank you for your important contribution.

Yours sincerely,

Assist. Prof. Dr. Wanida Caichompoo

Away Ja Caich empoo

The Secretariat HTM2015

E-mail wanida c@msn.com













Certificate Awarded to

Prof. Dr. Ernawati Sinaga, MS., Apt

in recognitition of her participation and contribution as Speaker

1.

The International Conference on Herbal and Traditional Medicine (HTM2015)

Pullman Khon Kaen Raja Orchid Hotel, Khon Kaen Thailand, January 28-30, 2015





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Dayak Iban

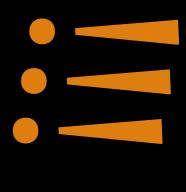
- Original inhabitants of Kalimantan/Borneo Island
- One of the ten biggest ethnic groups of Dayak Ngaju, Dayak > Dayak Iban, Dayak Embaloh, Dayak Kenyah, Dayak Punan, Dayak Kayan,
- Live in remote areas, in the interior of the island
- Partially or fully dependent on the forest resources to meet their needs

Medicinal Plants for Dayak Ibans

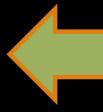
- Plants have traditionally been used as a source of medicine in Dayak-Iban communities
- Various types of plants that thrive in the deep forests of Borneo is sources of livelihood and health care
- Little work has been done to properly document and promote this rich indigenous knowledge

Threats to medicinal plants and local wisdom

- Environmental degradation: deforestation, overexploitation, destructive harvesting techniques, and unsustainable trade
- Cultural degradation: Modernization and the demands of western culture customs as they refocus their interests on the erosion of respect of young people on indigenous knowledge and local wisdom. Young people tend to leave their homes, abandoning their ancestral



Document the diversity of medicinal plants among the Dayak-Iban communities and indigenous knowledge regarding medicinal plants use



Bioprospecting >> New Drug Discovery

atropine	Atropa belladonna
codeine	Papaver somniferum
cocaine	Erythroxylon coca
ephedrine	Ephedra sinica
digoxin	Digitalis purpurea
quinine	Cinchona officinalis
colchicine	Colchicum autumnale
scopolamine	Datura fastuosa
reserpine	Rauvolfia serpentina
capsaicin	Capsicum frutescens
salicylin	Salix purpurea
vincristine	Catharanthus roseus
taxol	Taxus brevifolia

Location

- Melemba Village, Batang Lupar-Kapuas Hulu District, West Kalimantan Indonesia
- Labiyan-Leboyan Corridor
- Heart of Borneo, between 2 big National Parks: Betung Kerihun and Danau Sentarum National Parks

Methods of Collecting Data

- Semi-structured interviews
- 2. Focus Group Discussion
- Field observations → Determination of the plants

Informants

- 41 informants
- 21 Men & 20 Women
- Age ranged between 30 85 years

Data collected

- Local names of the plants
- Parts used
- Diseases treated
- Methods of preparation
- Methods of administration

Field Observation

Swamp Forest

- Nanga Semati
- Batang Semati
- Bakong
- Lintas Pinggan

Hill Forest

- Peninjau Hill I
- Peninjau Hil II
- Peninjau Hil III
- Peninjau Hil IV





Results

- 68 plant species: distributed in 53 genera and 34 families
- The leaves were the most frequently used plant part (46 species), followed by roots and rhizomes (13 species)
- Making of decoction was the most common method used to prepare the medications.



Results

- The medicinal plants (68 species) used for treatment of 16 different disease-categories
- Mostly used for treatment of gastrointestinal care (9%). problems (28%), wounds (9%) and post-partum
- The leaves were the most frequently used plant part (46 species), followed by roots and rhizomes (13 species)
- Making of decoction was the most common method used to prepare the medications.

Results

- Gastrointestinal problems have the highest value of informant consensus factor (7.3)
- According to use value there were five most flava Merr., Curcuma domestica Val., important medicinal plants, i.e. Arcangelisia longifolia, and Myrmecodia tuberosa Eleutherine palmifolia L., Eurycoma



Conclusions



Kalimantan still used medicinal needs – at least 68 species were plants to meet their healthcare practices tends to erode in the Dayak-Iban people in West documented-, however this indigenous knowledge and younger generations



Aknowledgement

- Universitas Nasional for research grant
- World Wildlife Fund and Dayak Iban Batang Lupar-Kapuas Hulu District, research team in gathering data West Kalimantan for supporting the Community in Melemba Village, -



CINCIN You

