

**38th Meeting of National
Working Group for
Indonesian Medicinal Plant**

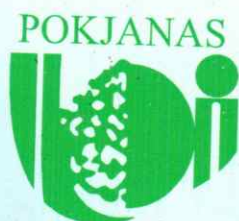
21-22 July 2010


WIDYA MANDALA CATHOLIC UNIVERSITY SURABAYA

**INTERNATIONAL CONFERENCE
ON MEDICINAL PLANTS**

**The Future of Medicinal Plants
From Plants to Medicine**

Book of :
PROGRAM & ABSTRACT





38th Meeting of National Working Group on Medicinal Plant
International Conference on Medicinal Plants

21-22 July 2010
Surabaya, Indonesia



Schedule of Poster Presentation

35

Date / Time : Wednesday, July 21 th , 2010; 16.30 – 17.30				
Place : Plaza Widya Mandala Catholic University, 1 st Floor				
No.	Pin	Author	Institution	Title
44.	P-144	Isnaini	Lambung Mangkurat University	Formulation of Herbal Pills of <i>Stenochlaena palustris</i> : An overview of Fineness Variations of Powders, Concentration of Dissintegrant, and Drying Time
45.	P-145	Isnaini	Lambung Mangkurat University	Formulation of Granules Effervescent of Tomato Fruit (<i>Solanum lycopersicum</i>) as Nutritional Supplement
46.	P-146	Mahatma Lanuru	Hasanuddin University	Conserving Seagrass Potensial as Medicinal Plant Through Seagrass Transplantation
47.	P-147	Iltizam Nasrullah	National Agency for Drug and Food Control Republic of Indonesia	Isolation and Identification α -Mangostin as A Marker Compound Of <i>Garcinia mangostana</i> L. Hull
48.	P-148	Elin Yulinah Sukandar	Bandung Institute Of Technology	Diuretic Effect of Ethanol Extract of <i>Anredera cordifolia</i> (Ten) V. Steenis in Wistar Rat
49.	P-149	Nita Supriyati	Medicinal Plant and Traditional Medicine Research and Development Office	Toxic Compounds Extracted from <i>Eugenia uniflora</i> L. Against T47d Cell Line
50.	P-150	Rydha Riyana	Padjadjaran University	Compound 3a,8,9b-trimethyl-2,3,3a,4,5,9b-hexahydronaphto,2-b]furan-4-ol from <i>Pangium edule</i> as an Antioxidant Agent
51.	P-151	Nurinna Ayu Rufaidah	Airlangga University	Chemoprevention Activities of The Extract of "Sarang Semut" (<i>Myrmecodia armata</i> Dc.) Againsts Benzo(A)Pyrene-Induced Fibrosarcoma Cancer on Mice In Vivo
52.	P-152	Triana Balqianur	Airlangga University	Anticancer Activity Assay of Ethanol Extract <i>Myrmecodia armata</i> Dc. Tubers Againsts Benzo(A)Pyrene-Induced Fibrosarcoma Cancer on Mice In Vivo
53.	P-153	Hilda Susanti	Lambung Mangkurat University	Effect of Media Compositions on Production of Biomass and Bioactive Compounds of <i>Talinum triangulare</i>
54.	P-154	Muhammad Taher	International Islamic University Malaysia	Cell Migration for In Vitro Wound Healing Evaluation- A Pilot Study on <i>Channa striata</i>
55.	P-155	Fitranto Arjadi	Purwokerto	Islet of Langerhans Regeneration at Diabetic White Rats (<i>Rattus norvegicus</i>) After Given Flesh Boiled Crown of God (<i>Phaleria macrocarp</i> (scheff.) Boerl.)
56.	P-156	Adek Zamrud Adnan	Andalas University	Antimalarial Activity of Brotowali Extracts (<i>Tinospora Crispa</i> Hook & Thoms) on Chloroquine-resistant <i>Plasmodium falciparum</i> strain PF 2832.

**TREATMENT OF HERBAL PILLS OF *STENOCHLAENA PALUTRIS* :
AN OVERVIEW OF FINENESS VARIATIONS OF POWDERS,
CONCENTRATION OF DISSINTEGRANT, AND DRYING
TIME**

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This study aims to determine the effects of fineness variations of powder, concentration of disintegrant and the drying time on uniformity of weight and time. Herbs powder formulation of kelakai pills use subtle variations in the degree of powder with a sieve number 60, 80, and 100, manihot starch concentration 3%, 4%, 5% as a destroyer. Mucilago amili by 10% as the concentration of material binding, aquadest and 5 % glycerin as a wetting agent, and lactose as fillers. Dried at a temperature of 45°C with drying time 4, 5 and 6 hours. Test results were analyzed statistically with the Kolmogorov-Smirnov to determine the distribution of the data ($P < 0,05$) means is not normal and normality ($P > 0,05$) is homogeneous, followed by analysis using non-parametric Kruskal Wallis test and Mann Whitney Test. The best formula is the formula of the type A1 fine powder 60 degrees with concentration amyllum manihot 3% as a destroyer with a 4 hours drying time in which the weight uniformity test average showed no aberrant 2 pills 10% of the average weight and none of the pills that deviate 20% from the average weight. When crushed the average of 6 hours drying approximately 60 minute.

Keywords: formulation of pills, kelakai (*Stenochlaena palustris*), the time destroyed