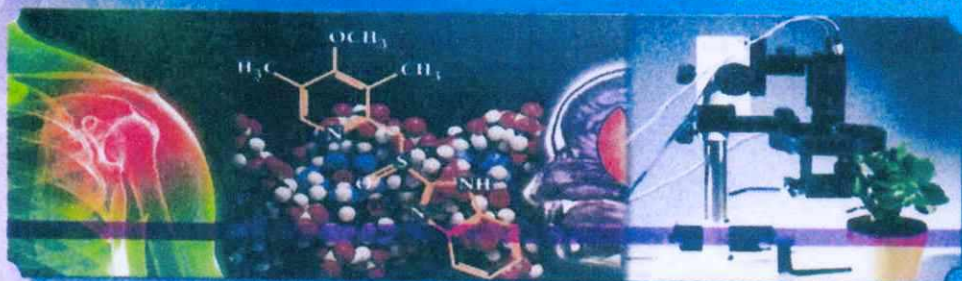


International SYMPOSIUM SEMINAR & WORKSHOP

INDONESIAN PHYSIOLOGICAL SOCIETY



14-15 Nov 2009

IPB International Convention Center

“The Holistic Interaction Between
Living Organisms and Environment
for Better Quality of Living”



PROGRAM OUTLINE

Saturday, November 14, 2009

Time	Program	Venue
08.00 – 08.30	Registration of participants	Ballroom 1
08.30 – 10.00	Opening ceremony	
10.00 – 10.15	Coffee break	
Plenary Session 1 Moderator: Prof. Suharsono		
10.15 – 10.35	<i>Keynote Speaker:</i> dr. I Nyoman Kandun, MPH (Indonesian Ministry of Health) Management and Control of Emergence and Reemergence of Zoonotic Diseases in Indonesia	Ballroom 1
10.35 – 11.00	<i>Invited lecture:</i> Prof. Dr. dr. William Dantzer (American Physiological Society) The role of Physiology in The Improvement of Human Quality of Life	Ballroom 1
Plenary Session 2 Moderator: Prof. Dr. dr. Harjanto, JM, AIF		
11.00 – 12.00	Symposium: 1) Prof. Ani Mardiasuti (Bogor Agricultural University) Integrating Forest, Agriculture and Marine Sciences for a Better Environment and Human Health 2) Prof. Dr. Drh. Dondin Sayuthi (Bogor Agricultural University) Animal Welfare and Ethics for Biomedical Research	Ballroom 1
12.00 – 13.00	Lunch Break	
13.00 – 15.30	Thematic oral presentation	Ballroom and meeting room
15.30 – 15.45	Coffee break	
15.45 – 17.15	Thematic oral presentation	Ballroom and meeting room

Sunday, November 15, 2009

Time	Program	Venue
08.00 – 08.30	Registration of participants	Ballroom 1
08.30 – 09.00	1) Soedjatmo lecture: Prof. Dr. drh. Agik Suprayogi, AIFH Moderator: Dr. med. Setiawan The Role of Animal Physiology in Anticipating the Impact of Global Warning 2) Expose of PIT XX by IAIFI Palembang division	
Plenary Session 3 Moderator: Prof. Dr. Slamet Susanto/Dr. Heru Setijanto		
09.00 – 10.00	1) Prof. Dr. Albert M. Hutapea, AIFO (Faculty of Medicine, Padjajaran University) Winning Nutrition for Athletes 2) Prof. Dr. Ir. HM. Bintoro (Bogor Agricultural University) The role of physiological research in food security	Ballroom 1
10.00 – 10.15	Coffee break	
10.15 – 12.00	Thematic oral presentation	Ballroom and meeting room
12.00 – 13.00	Lunch break	
13.00 – 15.30	Thematic oral presentation	Ballroom and meeting room
15.30 – 15.45	Coffee break	
15.45 – 16.45	Thematic oral presentation	Ballroom and meeting room
16.45 – 17.15	IAIFI award Closing ceremony: Prof. Sudarso Djojonegoro	

Workshop for Best Selected Paper Moderator: Prof. Dr. Albert M. Hutapea, AIFO		
Time	Program	Venue
10.15 – 12.00	Prof. Dr. dr. William Dantzer Theme: Writing manuscript for international journal	Meeting room
12.00 – 13.00	Lunch break	Meeting room
13.00 - 15.30	Group discussion (authors and reviewers)	Meeting room
15.30 – 15.45	Coffee break	Meeting room
15.45 – 16.45	Plan for submit manuscripts to international journal	Meeting room
16.45 – 17.15	Closing ceremony	Ballroom

Effect Several Soybean (*Glycine Max L.Merr*) Extracts To Food Intake, Body Weight And Cholecystokinin Plasma In Rats

Meilinah Hidayat *, Muchtan Sujatno**, Nugraha Sutadipura**, Sctiawan**

* Nutritional Department, Faculty of Medicine. Maranatha University. Jalan Prof Drg Suria Sumantri 65. Bdg 40163. Phone (022)2012186 Fax (022)2017621 email: mellahidayat@yahoo.com.

** Faculty of Medicine. Padjadjaran University

Abstract

Several studies have shown that isoflavones and high quality protein in soybean can reduce body weight. Bioactive peptides derived from soybean can stimulate cholecystokinin (CCK) an hormonal regulator of the digestive process which has important role in obesity treatment. The aim of this research was to review which kind of soybean and the fermentation soybean extracts has the highest effects for decreasing food intake, reducing body weight and increasing CCK plasma level in rats.

This is a laboratory experimental study using normal Wistar male rats which have completed the inclusion criteria. The material of Local Soybean (*Glycine max L.merr* Willis variety) and the high quality Soybean (*Glycine max L.merr Detam 1* variety) were made into tempeh then made into methanol extraction, ethyl acetate fractionation and protein extraction. This research was administered by giving eleven sort of soybean extracts orally to the 13 group of rats for 14 days. Data were analyzed with statistical Analysis of Variance (ANOVA) with Post Hoc Test Duncan and t-test paired after all data was proved as normal distribution by tests of Normality Shapiro-Wilk.

The results in this study, Group B which is given methanol extract of local soybean tempeh, Group I which is given protein extract of local soybean tempeh, and Group J which is given protein extract of Soybean *Detam 1* show significant results in all of parameter measurement.

The conclusion is methanol extract of local soybean tempeh, protein extract of local soybean tempeh and protein extract of Soybean *Detam 1* give the best result in decreasing food intake, reducing body weight and increasing CCK plasma level in rats.

Keywords: Extract of Soybean - *Glycine max L.merr* - *Detam 1* - Willis - normal Wistar male rats