

Silpakorn University International Journal

Volume 6 Number 1-2 (January – December 2006)

Editor Maneepin Phromsuthirak

Contents

Articles

Arts

- The Prospects of Applying Sandwich Insulated Panel Construction System for Energy Efficient Housing in Thailand** 5

Charunpat Puvanant

Humanities and Social Sciences

- A Non-Formal Education Programme Development in Accordance with Paulo Freire and Patrick G. Boyle's Concepts for Enhancing Knowledge, Attitude and Conscientization for Promoting Local Elections for the Thai Karen Voters** 13

Phaiboon Phowungprasit

- Motivational Factors on Exercise Behavior in Youth** 35

Wanee Jermuravong

- Rights of the Thai People to the Land Ownership During the Reign of King Rama II – V** 66

Kanitha Chitchang

- The Emergence of Proto-entrepreneurial Groups in the City of Ayutthaya During the 17th-18th Centuries** 91

Warangkana Nibhatsukit



Science

Least Squares and Discounted Least Squares in Autoregressive Process 122

Phongsaphen Jantana and Prapaisri Sudasna-na-Ayudhya

Screening of Fungal Extracts for Weed 136

Germination and Growth Inhibitory Activity

Panadda Phattanawasin et al.

On the Assessing of Fits for Simple and 145

Multiple Logistic Models with Dichotomous

Response Categories

Veeranun Pongsapukdee

The Effect of Mungbean Seed Size on 170

Germinating Ability, Bean Sprout

Production and Agronomic Characters

Pantipa Na Chiangmai, Paisan Laosuwan

and Aree Waranyuwat

Contributors

188



Editorial Advisory Board

Prof. Santi Leksukhum, Ph.D
 Prof. Kusuma Raksamani, Ph.D
 Emeritus Prof. Chetana Nagavajara, Ph.D
 Assoc. Prof. Surachai Nimjirawath, Ph.D
 Assist. Prof. Lerkiat Vongsarnpigoon, Ph.D

Editorial Board

Assist. Prof. Maneepin Phromsuthirak, Ph.D
 Assoc. Prof. Onoomar (Poobrasert) Toyama, Ph.D
 Assist. Prof. Den Wasiksiri
 Assoc. Prof. Supanee Chayabutra, Ph.D
 Assist. Prof. Chockpisit Thepsithar, Ph.D
 Assist. Prof. Arunsri Leejeerajumnean, Ph.D
 Lecturer Sutha Leenawat, Ph.D
 Hunsa Nilapan

Silpakorn University

International Journal is published in January and June by Silpakorn University. The journal features articles and research notes/articles in the fields of Art and Design, Science and Technology, and the Social Sciences and Humanities. Its aim is to encourage and disseminate scholarly contributions by the University's faculty members and researchers. Well researched, innovative works by other scholars are welcome. A review committee consisting of academic experts in the relevant fields will screen all manuscripts, and the editorial board reserves the right to recommend revision/alteration, if necessary, before their final acceptance for publication.

Information for Subscribers

<i>Annual subscription</i>	<i>baht</i>	250
<i>Price per single issue</i>	<i>baht</i>	150
<i>Annual subscription outside Thailand</i>	<i>US</i>	\$15
<i>Price per single issue for air delivery outside Thailand</i>	<i>US</i>	\$10

Subscription orders, renewals, claims and all other correspondence should be addressed to Research and Development Institute, Silpakorn University, Sanamchandra Palace Campus, Nakhon Pathom, 73000, Thailand
 Tel. 0-3425-4066 and 0-3425-5808
 FAX. 0-3421-9013

E- mail : research_inst@su.ac.th and hunsa@su.ac.th

Copyright All rights reserved. Apart from citations for the purposes of research, private study, or criticism and review, no part of this publication may be reproduced, stored or transmitted in any other form without prior written permission by the publisher.

© **Sillpakorn University ISSN 1513-4717**