

THE SOUTHEAST ASIAN JOURNAL OF TROPICAL MEDICINE AND PUBLIC HEALTH

Editor-in-Chief

TRANAKCHIT HARINASUTA

Managing Editor

DENISE C. REYNOLDS

Associate Editors

SRI OEMIJATI (Indonesia)

OW-YANG CHEE KONG (Malaysia)

AUGUSTO D. LITONJUA (Philippines)

SAVANAT THARAVANIJ (Thailand)

Editorial Board

BINTARI RUKMONO (Indonesia)
DJAENI A. SEDIAOETAMA (Indonesia)
C.P. RAMACHANDRAN (Malaysia)
CHEONG WENG HOOI (Malaysia)
VERONICA CHAN (Philippines)
PHOON WAI ON (Singapore)
DANAI BUNNAG (Thailand)
TAN CHONGSUPHAJASIDDHI (Thailand)
SUCHART E. UPATHAM (Thailand)
R. LASSERRE (Hong Kong)
N.P. SALAZAR (Philippines)

Advisory Board

H.M. Gilles (England)
BRIAN G. MAEGRAITH (England)
SJAHRJAR RASAD (Indonesia)
MANABU SASA (Japan)
GEORGE DE WITT (Malaysia)
BENJAMIN D. CABRERA (Philippines)
W.K. NG (Singapore)
CHAMLONG HARINASUTA (Thailand)
JOHN H. CROSS (U.S.A.)
ROBERT S. DESOWITZ (U.S.A.)
CURT R. SCHNEIDER (U.S.A.)

SEAMEO REGIONAL TROPICAL MEDICINE AND PUBLIC HEALTH PROJECT

TROPMED GOVERNING BOARD MEMBERS

INDONESIA
MALAYSIA
PHILIPPINES
THAILAND

Dr. SJAHRJAR RASAD
Dr. GEORGE DE WITT
Dr. BENJAMIN D. CABRERA
Dr. BUNSOM MARTIN

CONSULTANTS

Dr. BRIAN G. MAEGRAITH (England)
Dr. MANABU SASA (Japan)
Dr. SVASTI DAENGSVANG (Thailand)
Dr. ROBERT S. DESOWITZ (U.S.A.)

TROPMED CENTRAL OFFICE

Dr. CHAMLONG HARINASUTA	<i>Coordinator</i>
Dr. SANTASIRI SORNMANI	<i>Assistant Coordinator</i>
Dr. DENISE C. REYNOLDS	<i>Technical Assistant</i>
Miss VIMOLSRI PANICHYANON	<i>Administrative Assistant</i>
Miss SUNGWAN THAVEESRI	<i>Secretary</i>
Miss THONGSUK LEGMANEE	<i>Assistant Secretary</i>
Mrs. TUBTIM POTH	<i>Accountant</i>

The Southeast Asian Journal of Tropical Medicine and Public Health is published by the SEAMEO Regional Tropical Medicine and Public Health Project (SEAMEO-TROPMED Project)

One annual volume comprises of four quarterly issues (March, June, September and December).

Annual Subscription for 4 issues is US\$ 20.00 (including postage) Single copies US\$ 5.50 (post free).

Subscriptions may be paid direct to the SEAMEO-TROPMED Project, 420/6 Rajvithi Road, Bangkok 10400, Thailand.

No, part of this Journal may be reproduced in any form by photostat, microfilm or any other means

ISSN : 0038-3619