

# EVALUATION BY VILLAGERS OF THE MALARIA CONTROL PROJECT ON LOMBOK AND SUMBAWA ISLANDS, WEST NUSA TENGGARA PROVINCE, INDONESIA

Takeshi Yoda<sup>1</sup>, Kazuo Minematsu<sup>1</sup>, Tomoko Abe<sup>2</sup>, Sukmawati Basuki<sup>3</sup>, Ketut Artasutra<sup>4</sup>,  
Yoes Prijatna Dachlan<sup>3</sup>, Kazuhiko Moji<sup>2</sup>, Hiroji Kanbara<sup>5</sup>, Yasuyuki Rakue<sup>1,6</sup>  
and Tsutomu Mizota<sup>1</sup>

<sup>1</sup>Department of Social and Environmental Medicine, Institute of Tropical Medicine, Nagasaki University, Nagasaki, Japan; <sup>2</sup>Research Center for Tropical Infectious Diseases, Institute of Tropical Medicine, Nagasaki University, Nagasaki, Japan; <sup>3</sup>Tropical Disease Center, Airlangga University, Surabaya, Indonesia; <sup>4</sup>West Nusa Tenggara Provincial Health Office, Mataram, Indonesia; <sup>5</sup>Department of Protozoology, Institute of Tropical Medicine, Nagasaki University, Nagasaki, Japan; <sup>6</sup>School of Public Health and Tropical Medicine, Tulane University Medical Center, New Orleans, USA

**Abstract.** The cooperative malaria control project between Indonesian and Japanese institutions was conducted from 2001 to 2004 at small malaria endemic foci on Lombok and Sumbawa Islands. The aim of this research was to evaluate the effects of the project according to the opinions of the villagers. We conducted a KAP survey of a simple random sample of 300 householders on each island. The conclusion of the study was that the project reduced malaria incidence significantly on Lombok. However, the effects were not as clear on Sumbawa. Poor socio-economic status and lack of school education were important related factors. Therefore, health education, or behavioral change communication, was an essential component of malaria control.

---

Correspondence: Dr Takeshi Yoda, Department of Social and Environmental Medicine, Institute of Tropical Medicine, Nagasaki University, 1-12-4, Sakamoto, Nagasaki 852-8523, Japan.  
Tel: 81 (0) 95-849-7866; Fax: 81 (0) 95-849-7867  
E-mail: yoda-ta@wb4.so-net.ne.jp