

Report for Institutional Program for Younger Researcher Overseas Visits,
Center for Southeast Asian Studies
Kyoto University

Name : Neoh Kok Boon	Date : Day/ 12 Month/ 09 Year/ 2012
Position in CSEAS : Program Specific Research	
* Check an appropriate entry (Lecturer · Assistant Professor · Research Assistant · <u>Postdoctoral</u> · Ph. D. Student · Master's Student · Undergraduate Student)	
Host Institute (Counterpart, Institute and County) : Forest Research Center Sarawak ¹ , Korye University Annex Korea Insect Research Center ² , Universiti Sains Malaysia ³	
*Circle the appropriate entry for host institute (<u>University</u> · <u>Research Institute</u> · Company · Others)	
Position at Host Institute: Visiting researcher	
Term : (Day/ 8 Month/ 8 Year/ 2012) ~ (Day/ 18 Month/ 8 Year/ 2012) (11 Days) ¹ (Day/ 19 Month/ 8 Year/ 2012) ~ (Day/ 24 Month/ 8 Year/ 2012) (6 Days) ² (Day/ 25 Month/ 8 Year/ 2012) ~ (Day/ 12 Month/ 9 Year/ 2012) (19 Days) ³	
Research Purpose: * Check any appropriate entries.	
<input checked="" type="checkbox"/> <u>Research/ Laboratory Work</u> <input type="checkbox"/> Fieldwork <input type="checkbox"/> Seminar <input type="checkbox"/> Internship <input type="checkbox"/> Take course or class <input checked="" type="checkbox"/> <u>Attend Academic Meeting</u> <input type="checkbox"/> Earn credits <input type="checkbox"/> Other	
Research Area: * Circle the appropriate entry.	
<input type="checkbox"/> Humanities <input type="checkbox"/> Social Sciences <input type="checkbox"/> Mathematics and Physics <input type="checkbox"/> Chemistry <input type="checkbox"/> Engineering <input type="checkbox"/> Biology <input checked="" type="checkbox"/> <u>Agriculture</u> <input type="checkbox"/> Medical Science, Pharmacy and Dentistry <input type="checkbox"/> Integral Area of Studies <input type="checkbox"/> New Multidiscipline	
Outline of Overseas Visits (About 300~400 words)	
<p>The oversea visit was three fold. First, termite sampling was carried out at Acacia plantation areas in Sampadi reserved forest, Kuching that joined collaboration with Dr. Takematsu (Yamaguchi University), Dr. Itioka (Kyoto University), and the staffs from Sarawak Forest Research Center for 10 days. The objective of the sampling is to examine the role of the reserved forest (remnant natural forest) in insect biodiversity restoration in Acacia plantations. In the termite sampling, we employed 100 m belt transect. The method is time consuming and laborious, yet reliable. 16 field assistants were involved in this sampling.</p> <p>Second, International Congress of Entomology was held in Korea, Daegu from 19th – 25th August 2012. The Congress gathered renowned entomologists around the world. In the congress, a co-authored paper on medical important beetle, <i>P. fuscipes</i> (dermatitis linearis causing agent) was presented in “Life table of Insect” symposium. The insect is increasingly infamous of its notorious in urban areas particularly in high rise buildings that adjacent to rice field during paddy harvesting season. This may be due to high disturbance in the field (activities like rotor harvesting machine and stalk burning at harvesting and post-harvesting season) that chase the insects from their original habitat. Now, the case of <i>Paederus</i> infestation is on the rise and widespread, unfortunately the insect receive least treatment. The paper described the life cycle of <i>Paederus</i> and its high reproductive output that would probably one of the key factors causing infestation in residential areas.</p> <p>Third, attachment in urban entomology laboratory, Universiti Sains Malaysia that hosted by Prof Lee Chow Yang. During the attachment, I was exposed to insect reproductive system dissecting technique. By the way, parasitoid-infected termites were collected for future analysis. The parasitoid might play a potential biological control agent against termites and might shed a new light in termite management program.</p>	
Research Achievement on this Program (300~400 Words)	
<p>The field sampling in Sampadi Reserved Forest was going smoothly and completed within the period suggested. The specimen collected was transported to Yamaguchi University for species identification under supervision of Dr. Takematsu.</p> <p>The paper presented in ICE caught attention from the audiences and ideas were exchanged among renowned scientists. The scientific paper was recently published in Bong, L. J., K. B. Neoh, Z. Jaal, and C. Y. Lee. 2012. Life table of <i>Paederus fuscipes</i> (Coleoptera: Staphylinidae). <i>Journal of Medical Entomology</i> 49: 451-460.</p> <p>Attachment in Prof. Lee's lab was a fruitful one as I met up with Dr. Yoshikata Kamimura (Keio University) and Dr. Jun Abe (Hanagawa University) who expertise in the evolutionary biology of earwig and insect-parasite system, respective. Numerous constructive ideas were exchanged and potential future collaborative project was discussed.</p>	