

京都大学若手人材海外派遣事業 ジョン万プログラム
研究者派遣プログラム

英文報告書

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1. 渡航者 (日本語)			
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研究課題名	野生ジャワルトンの生態・社会の解明に関する国際共同研究		
海外渡航期間	平成 25 年 6 月 12 日～平成 25 年 12 月 24 日		
渡航先 (英語表記)	国名：インドネシア共和国 大学等研究機関名：ボゴール農科大学 研究室名等：理学部生物学教室 受入研究者名： Bambang Suryobroto 講師		
2. 渡航の報告 (英文)			
<p>渡航先の研究環境、研究者との交流、研究発表の状況等、渡航中の滞在経験について英語 (500～1000 語) で記述して下さい。受入研究者と撮影した写真や研究発表で用いた図等について、可能な範囲で別添として提出して下さい。ページ数については増加してもかまいません。</p> <p>この報告は、ジョン万プログラムの成果として、京都大学ホームページ (英文) などに掲載されることがあります。</p>			
<p>I conducted studying abroad in Indonesia from mid June to mid December 2013. Specifically I stayed at Bogor Agricultural University (hereafter IPB) in West Java Province, in order to conduct field survey of an endemic colobine species to Indonesia, Javan lutung (<i>Trachypithecus auratus</i>). I decided to study at IPB because several researchers to whom I had collaborated belonged this university, and great facilities to conduct various kinds of analyses were available there. After several procedures to obtain approval from a government office, I started my fieldwork at Pangandaran Nature Reserve, West Java Province. During the fieldwork at Pangandaran NR, I observed three habituated groups of Javan lutungs (named K, P, and J group, respectively) from dawn (0530) to dusk (1730) for 77 days (768 observation hours in total). I performed scan-sampling every 10 minute, and recorded diets, activity, social relationships with group members/other groups, and relationships with sympatric animals including rusa deer (<i>Cervus timorensis</i>), flying lemur (<i>Cynocephalus variegatus</i>), and long-tailed macaques (<i>Macaca fascicularis</i>). At same time, I recorded locations of the troop (every 1-second) using handy type GPS equipment (Garmin GPSmapCX CX60) to estimate home range size and to evaluate its utilization. I tried to identify individual lutung by taking reference photographs. I succeeded to identify almost all adult individuals of the tree target groups. Besides the behavioral observation, I conducted vegetation survey within the home range of the three groups with local assistant. We recorded plant phenology within the reserve twice a month, and collected dietary samples for nutritional analyses. By the long-term survey of the Javan lutung, I could reveal the social system of the lutung, for which little information has been available so far. I will report these topics at scientific congresses, and write scientific papers on feeding ecology of Javan</p>			

lutungs in this year.

Beside the field survey at Pangandaran, I had a seminar on the lutung ecology at Bogor Agricultural University (IPB), a lecture on feeding ecology of primates at Matalam University (Lombok island), visited IPB Primate Research Center on 9th Oct and discussed with researchers there, and attended closed examination of a doctor course student on 17th Dec.

I tried to communicate with researchers and students studying primates including colobinae in SE Asia. I visited 1) Kuala Lumpur to meet researchers of Notingham University, 2) Borneo to meet a researchers who study proboscis monkeys and silvered leaf monkeys at forest along Kinabatangan river. Within Indonesia, I also had a opportunity to visit central Java, and Bali and Lombok islands to observe five study sites where wild Javan lutung inhabit and to meet researchers and discuss future collaboration. I also visited several zoological gardens in Singapore (Singapore zoo), Indonesia (Lagnan zoo), and Thailand (Dusit zoo) to conduct preliminary survey of colobines housed there, and communicate with researchers/zoo keepers. Since there have been few information on physiology of Trachypithecus monkeys, future collabotrations with these zoological gardens would be useful.

The experience of studying abroad by John Mung Program is very fruitful for not only my progress of present research, but also for making research network which is useful for future research. By making use of this experience I would like to become a person who bridge Japanese and Indonesian primatologists and students.