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One Health Module / One Health Ally Course
Submodule 4 One Health on-site Training
報告書 Report

報告者 [Reporter]

氏名 [Full Name]	Nada ARAYASKUL		
学年 [Year]	D3	E-mail	
所属 [Affiliation]	Veterinary Science faculty, Obihiro University of Agriculture and Veterinary Medicine (OUAVM)		

担当教員 [Instructor]

氏名 [Full Name]	Yoshifumi NISHIKAWA		
署名 [Signature]			
所属 [Affiliation]	National Research Center for Protozoan Diseases, Obihiro University of Agriculture and Veterinary Medicine		
E-mail		電話 [Tel]	

活動報告 [Activity Report]

タイトル [Course Title]	The role of one health in zoonotic parasite and wildlife conservation in Thailand		
実施期間 [Periods]	26 th – 29 th June, 2023		
共同実施者 [Other participants]	Atefe Fathi (1), Ma Zhuowei (1), Nyein Chan Soe (2) and Alok Kumar Maurya (2) (1): OUAVM / (2): Hokkaido University		
言語 [Language]	English		
実施場所 [Location]	Faculty of Tropical Medicine, Mahidol University, Bangkok, Thailand & Faculty of Veterinary Science, Mahidol University, Kanchanaburi campus, Thailand		
この活動に参加した理由 (200字程度) [The reason why you participated in this activity (around 120words)]	<p>The main reason for choosing this activity is that it is closely related to my doctoral studies, specifically in Parasitology. Other topics are also interesting, and they involve visiting some highly fascinating countries that I have never been to before. However, I have a strong desire to participate in this training programs to gain my knowledge in parasitology field. Additionally, after seeing the name of the responsible professor, Prof. NISHIKAWA, who will oversee and organize this activity, my confidence in participating has increased even more. Although at that moment, I did not know many details about some specific activity yet, but I am still eager to participate in it.</p>		

実施内容 (2ページ程度、写真・図表含む)

[Activities details (up to 2 pages providing photos, figures, and tables)]

On the first day, there was a lecture session introducing the importance and responsibilities of the veterinary region in Kanchanaburi. It also included a lecture by Assistant Professor Charoonluk Jirapattharasate in the title of “The role of one Health in zoonotic parasites and wildlife conservation in Thailand”. This lecture explained the principle concept and the current situation of zoonotic parasites in Thai wildlife. In the afternoon, there was a collection of fecal samples from goats and cattle on local farm. Each sample was collected and prepared properly for analyzing the parasite eggs and then genus classification. The infected hosts would be reported to the farm owners for the proper treatment in the future.

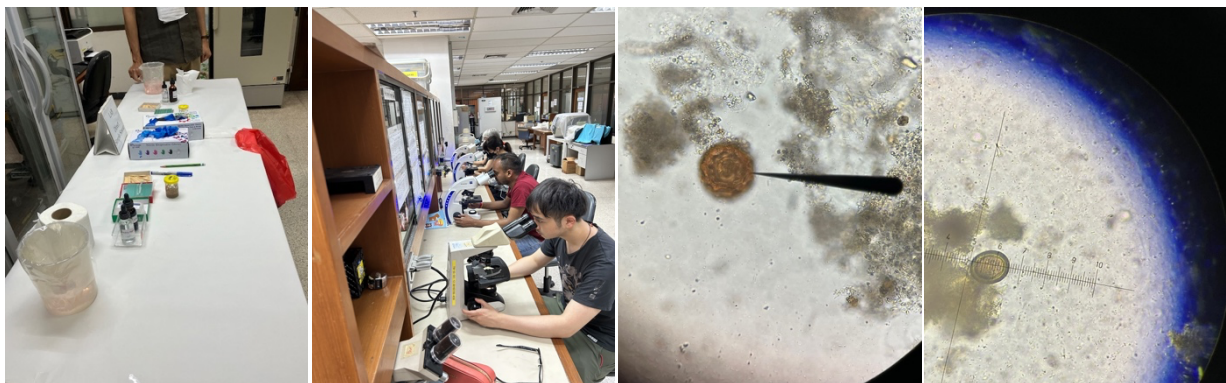


On the following day, during the training, I had the opportunity to work with the government sector in the conservation and reintroduction of red cattle back into the wild. We conducted experiments using tracking devices on the red cattle after their release back into the wild to learn about their behavior and adaptation. Additionally, I had the chance to closely observe the red cattle. Throughout the process, the project leader, organization, and the local community dedicated their physical and mental efforts. Although initially there was no financial support from the government, we have successfully released the red cattle back into the wild a total of 5 times, which is considered a satisfying achievement. The aim is to attract the return of Asiatic tigers to the park and enhance the overall ecological system. In the afternoon, I had the opportunity to work with the elephant camp. It was my first time conducting a health assessment on elephants, and I was thrilled and delighted to have the opportunity to work closely with elephants like this. Even though I am Thai, it is not easy to have such a close working experience with elephants.

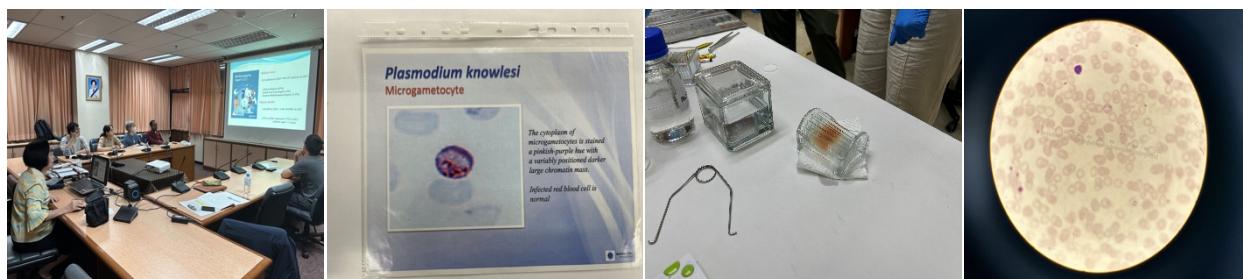




On the third day, there was a lecture session on the pilot of the One Health program in Thailand, with Mahidol University playing a crucial leadership role under the dedicated care of Associate Professor Dr. Saengduen. Moonsom. This enabled collaborative efforts from multiple universities in Thailand to be carried out continuously more than 10 years. Dr. saengduen also gave the lecture about intestinal protozoa, followed by another lecture and practical sessions on examining flatworm parasites in human fecal samples, which was a first-time experience for me, under the supervision of Associate Professor Dr. Aongart Mahittikorn.



On the fourth as a final day of the training, I participated both in a lecture and practical session conducted by Associate Professor Dr. Phonthip Petmitr regarding *Plasmodium* spp. infections. I gained a wealth of knowledge from both the lecture and the hands-on activities. In this session, not only the permanent slides of *Plasmodium* spp. were used the fresh patient blood samples were also used for this practical work. Under the microscope, we learned and classified the differences between various species of the parasite at each different stage. It was so informative and interesting experience for me to work with *Plasmodium*.



After completing the intensive 4-day training, my knowledge has significantly increased in both theoretical and practical aspects. Particularly, there were certain techniques that I had never experienced before in my life. Participating in this activity has left a strong impression on me. The entire team, including the professors and staff, provided great assistance, knowledge, and prepared the training sessions very well. I am immensely grateful to all of them for their high-level support and guidance.

今回の活動経験が、今後のOne Healthに関連した活動、国際共同研究、国際協力、国際連携等に与える影響（500字程度） [Impact of the experience on future One Health activities, international collaborative research, international cooperation, international collaboration, etc. (around 300 words)]

Having participated in this activity for a full 4 days was amazing for me. I have spent 2 days for joining some activities at Kanchanaburi province such as participated in training related to Thai-wildbull (Banteng) and elephants. I had the opportunity to meet three professors who work in this field, and they provided extensive and excellent theoretical and practical training. Besides, the hospitality during the training was remarkable. I gained knowledge from both the lectures and hands-on activities. During the last 2 days, I also had a great opportunity to attend lectures and practical sessions at Faculty of Tropical Medicine, Mahidol University which plays a crucial role in research related to malaria (*Plasmodium* spp.). The professors specialized in this field were highly knowledgeable, and I had the chance to establish contacts and exchange ideas with some of them through this activity. I hope that in the near future, there will be opportunities for further meetings and knowledge exchange in research work. Furthermore, as a Thai person returning to work in the northern region of Thailand after completing my study in Japan, it is delightful to anticipate the future collaborations. It will contribute to expanding my professional network. Finally, I would like to express my deep gratitude to One Health program for providing me with this excellent opportunity to participate in the activity and for introducing me to some new researchers. This will provide me many future benefit research endeavors.

備考 [Remarks]

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