

グエン・フー・ヴァンさん / 帯広畜産大学
 Dr. NGUYEN HUU VAN / Obihiro University of Agriculture and Veterinary Medicine

<外国人研究者プロフィール Profile>

国籍: Nationality:	ベトナム / Vietnam
日本留学時の滞在期間: Period of Stay During Studying in Japan:	2010年08月21日 ~ 2010年11月18日 Aug 21, 2010 - Nov 18, 2010
日本留学時の大学: Educational Background In Japan:	帯広畜産大学(岩手大学大学院連合農学研究科博士課程) Obihiro University of Agriculture and Veterinary Medicine
専攻分野: Major Field:	生物生産科学 Animal Science
現在の所属/職位: Present Institution / Status:	Faculty of Animal Science, Hue University of Agriculture and Forestry, Vietnam / Senior Lecturer; Head of Department of Animal Husbandry



グエン・フー・ヴァンさん
 Dr. NGUYEN HUU VAN

<研究報告 Follow up Reserch Fellowship>

受入研究者氏名: Research Adviser:	河合正人准教授 Associate Professor MASAHITO KAWAI
受入れ期間: Reserching Period:	90日間 / 90 Days
研究課題: Theme of Research:	Preparation of fermented total mixed ration (TMR) silage and evaluation of the change of fermentation characteristics during ensiling process

■研究概要 Outline of Research

- 1) To carry out the preparation of fermented TMR silage and doing analysis to evaluate the change of fermentation characteristics and chemical composition before and after ensiling
- 2) To be participated in the animal conferences
- 3) To visit Animal Research Centre and private farms where the fermented TMR are fed the animals
- 4) To be involved in the behavior experiment on beef cattle and horse



発酵TMRサイレージの科学分析
 Chemical analysis of fermented TMR silage

■研究成果 Result of Research

1) The preparation of fermented TMR silage and doing analysis: Twenty four mini-silos of 6 treatments (corn silage, grass silage, mixed corn-grass silage, mixed concentrate-corn silage, mixed concentrate-grass silage, and TMR) was prepared and opened after 28 days ensiling. The samples were taken for doing analysis of chemical composition (DM, NDF, ADF, CP, EE, Ash, GE, WSC, Lignin) and fermentation characteristics (pH, lactic acid, VFA, NH3-N). The analysis of DM, NDF, ADF, CP, EE, pH, and NH3-N may be completed before 18th November 2010 when I am leaving Japan.

2) Animal conference:

I was accompanied by Dr. Kawai Masahito to attend the 65th Annual Conference of Hokkaido Animal Science and Agriculture Society held in Shintoku Animal Research Centre from 8th - 9th September 2010.



飼料イネについて、研究者、普及員、畜産農家とディスカッション
 Discussion with researcher, extension worker, and farmer about whole crop rice silage



ミニサイロ開封後のサンプリング
Opening mini silos & sampling

3) Field trips:

I was accompanied by Dr. Kawai Masahito to visit Toyama Prefecture Animal Research Centre (TPARC) from 12th – 16th October 2010. We attend a seminar with the staffs of TPARC and I did presentation on the present situation of stock farming in Vietnam and utilization of paddy rice forage in the future. I was guided to see the laboratory facilities and experiments conducting by the staffs of TPARC; and to visit private dairy farms and beef farm where Whole Crop Rice Silage was made and fed to the animal.

4) Behavior experiment:

I participated in the observation grazing behavior of beef cattle and horse in Woodland of Shizunai Experimental Farm (Hokkaido University) conducting by Dr.Kawai Masahito research group from 22nd – 24th October 2010.

■日本留学の思い出 Memories of Studying in Japan

“Tadaima” (I am home) I said when the JAL 1155 flight was landing on the Obihiro airport at 2:30pm of the 21st August 2010. I am always looking forward to have this minute for 5 years since 2005 when I am leaving the city where I had spent 6 years of my life to earn MSc. and PhD degree at Obihiro University of Agriculture and Veterinary Medicine. I was really happy to be in the university again for three months. University campus is more beautiful since the gate, buildings and many other facilities were renewed several years ago. My laboratory of Animal nutrition was also rearranged to be more convenient for learning and doing research. However I still recognized many things that were along with me during the previous time.



富山県農林水産総合技術センター畜産研究所において講演

Presentation at the Livestock Research Station in Toyama prefecture



発酵TMRサイレージの調製
Preparing fermented TMR silage

Three months is too short to study and to carry out a complete experiment but I tried my best to work hard with the great help and well arrangement of my advisor, Dr. Kawai Masahito associate professor of Obihiro University of Agriculture & Veterinary Medicine, and the same laboratory students. It was very good that I could meet again my former supervisors Prof. Matsuoka Sakae (although he was already retired 3 years ago) and Prof. Takahashi Junichi, and other professors and staffs of the university.

Beside of study, I met my former friends; they were all happily to welcome me as their family member coming back for a long time away from home. I spent some time to cycle around the city for enjoying the very beautiful autumn. The good laboratory, the nice friends, and the beautiful weather made my study here more fruitful and enjoyable.

I would like to take this opportunity to express my sincere thanks to the Japan Student Services Organization (JASSO) for providing me the scholarship to be able to come back to Obihiro; to Dr. Kawai Masahito and his family for warmly taking care of me during my stay. I would highly appreciate Ms. Matsuura Keiko and staffs of the international student service, Obihiro University of Agriculture and Veterinary Medicine for giving me great help of administrative procedures.

Sayonara Obihiro and hope to be back again soon!



河合研究室のセミナーで学生達とディスカッション
Discussion with students during the seminar at the laboratory of Dr. Kawai Masahito