

Chantha Chanda 2007: Prevalence of *Campylobacter* spp. in Cattle and Buffalo in Republic of Laos's Slaughterhouse. Master of Science (Animal Production), Major Field: Animal Production, Department of Animal Science. Thesis Advisor: Associate Professor Khanchana Markvichitr, Dr.Med.Vet. 67 pages.

This study was purposed to investigate the prevalence of *Campylobacter* spp. in caecum content and bile in cattle and buffalo in Republic of Laos's Slaughterhouse, which was conducted during February to September in 2006 throughout of dry and rainy season. Total of 106 caecum content samples (35 cattle and 71 buffaloes) were collected during in dry season and also 160 caecum content samples (47 cattle and 113 buffaloes) plus total of 100 bile samples as well were used during in rainy season by using Streak plate technique on CCDA agar. As an outcome of these field trials study, it was found that the positive *Campylobacter fetus* in caecum content samples revealed 0.9 % in dry season whereas positive *Campylobacter jejuni* in caecum content samples and in bile were revealed 1.25% and 1.0% in rainy season, respectively. Dry and rainy season were not effect upon *Campylobacter* spp. prevalence, which obviously revealed only 1.09% *Campylobacter* spp. prevalence in buffalo whereas was not found in cattle.

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Student's signature

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