

## Chapter VI

### Conclusion

#### 1. Genetic variation within population of Green Peafowl

Green Peafowl (*Pavo muticus*) are high genetic variation because there are highly number of alleles per locus and highly observed heterozygosity.

#### 2. Genetic variation between populations of Green Peafowl

Genetic variation between Green Peafowl populations in Thailand may not different because observed and expected heterozygosity of Green Peafowl from northern and western part are closely related and not different. Number of alleles per locus of Green Peafowl from northern part is different from western part. However, Mean effective number of alleles per locus is the better parameter for determining genetic variation. It shows Green Peafowl from northern and western are not statistic different.