



**THESIS APPROVAL**  
**GRADUATE SCHOOL, KASETSART UNIVERSITY**

Doctor of Philosophy (Agricultural Biotechnology)

**DEGREE**

Agricultural Biotechnology

**FIELD**

Interdisciplinary Graduate Program

**PROGRAM**

**TITLE:** Potential Factors Affecting Semen Quality in Asian Elephant (*Elephas maximus*)

**NAME:** Mr. Nikorn Thongtip

**THIS THESIS HAS BEEN ACCEPTED BY**

Anuchai Pinyopummin.

**THESIS ADVISOR**

( Associate Professor Anuchai Pinyopummin, D.Vet.Med.Sc )

Tanu Pinyopummintr.

**COMMITTEE MEMBER**

( Assistant Professor Tanu Pinyopummintr, Ph.D. )

Miss Nucharin Songsasen.

**COMMITTEE MEMBER**

( Miss Nucharin Songsasen, Ph.D. )

Pongthep A.

**GRADUATE COMMITTEE  
CHAIRMAN**

( Associate Professor Pongthep Akkratanakul, Ph.D. )

**APPROVED BY THE GRADUATE SCHOOL ON** 2/06/2008

Gunjana Theeragool

**DEAN**

( Associate Professor Gunjana Theeragool, D.Agr. )