

**PENGARUH PERTUNJUKAN BERENANG PADA GAJAH ASIA
(*Elephas maximus*) TERHADAP KADAR HORMON KORTISOL
DAN KORELASI HORMON PROGESTERON, FREKUENSI
RESPIRASI, DAN RASIO HETEROFIL/LIMFOSIT (H/L) DI
A'FAMOSA SAFARI WONDERLAND MELAKA MALAYSIA**

TESIS



Oleh:

Lohanthira Kumar Parumal
23/524346/PKH/00839

**PROGRAM STUDI MAGISTER SAINS VETERINER
FAKULTAS KEDOKTERAN HEWAN
UNIVERSITAS GADJAH MADA
YOGYAKARTA
2025**

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TESIS

untuk memenuhi sebagian persyaratan mencapai derajat S-2
Program Studi Magister Sains Veteriner



Oleh:

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23/524346/PKH/00839

**PROGRAM STUDI MAGISTER SAINS VETERINER
FAKULTAS KEDOKTERAN HEWAN
UNIVERSITAS GADJAH MADA
YOGYAKARTA
2025**

THE EFFECT OF ASIAN ELEPHANT SWIMMING PERFORMANCE ON CORTISOL AND CORRELATION BETWEEN PROGESTERONE, BREATHING RATE AND HETEROPHIL/LYMPHOCYTE (H/L) RATIO IN A'FAMOSA SAFARI WONDERLAND MELAKA MALAYSIA

To fulfill the requirements of the Thesis
Master of Veterinary Science



By:
Lohanthira Kumaar Parumal
23/524346/PKH/00839

MASTER OF VETERINARY SCIENCE
FACULTY OF VETERINARY MEDICINE
UNIVERSITAS GADJAH MADA
YOGYAKARTA
2025

LEMBAR PENGESAHAN

Tesis

Pengaruh Pertunjukan Berenang pada Gajah Asia (*Elephas Maximus*) terhadap Kadar Hormon Kortisol dan Korelasi Hormon Progesteron, Frekuensi Respirasi dan Rasio Heterofil/Limfosit (H/L) di A'Famosa Safari Wonderland Melaka Malaysia

disusun oleh:

Lohanthira Kumar Parumal
23/524346/PKH/00839

Dipertahankan di depan Dewan Penguji pada tanggal; 31 Desember 2025

Telah disetujui oleh:

Pembimbing Utama:

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Prof. Drh. Agung Budiyanoto, MP., Ph.D

Prof. drh. Soedarmanto Indajulianto

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drh. Erif Maha Nugraha S., MSc., Ph.D.

Dr. drh. Claude Mona Airin, MP.

Prof. Dr. drh. Sarmin, MP.

Tesis ini diterima sebagai salah satu Persyaratan untuk memperoleh gelar master
Tanggal 31 Desember 2025

Ketua Progran Studi Magister Sains Veteriner

Dr. drh. Dwi Priowidodo, M. P

Mengetahui

Dekan Fakultas Kedokteran Hewan UGM

Prof. drh. Teguh Budipitojo, M.P., Ph.D.

Thesis

The Effect of Asian Elephant Swimming Performance on Cortisol and Correlation between Progesterone, Breathing Rate and Heterophil/Lymphocyte (H/L) Ratio in A'Famosa Safari Wonderland Melaka Malaysia

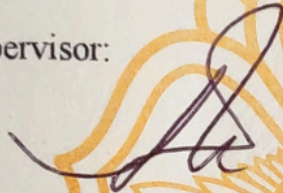
Prepared by:

Lohanthira Kumaar Parumal
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was defended before the Board of Examiner on the date; 31st December 2025

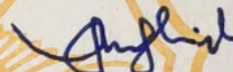
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Lead Supervisor:



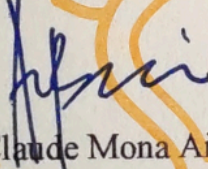
Prof. Drh. Agung Budiyanoto, MP., Ph.D

Member of Examiners:



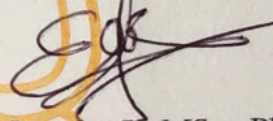
Prof. drh. Soedarmanto Indajulianto

Co-Supervisor:



Dr. drh. Claude Mona Airin, MP.

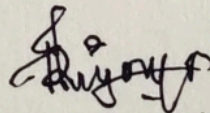
drh. Erif Maha Nugraha S., MSc., Ph.D.



Prof. Dr. drh. Sarmin, MP.

This thesis was declared acceptable to obtain the master degree
Date 31st December 2025

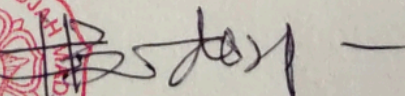
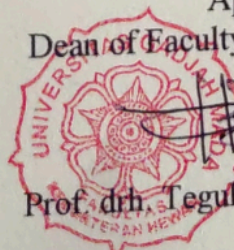
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Dr. drh. Dwi Priyowidodo, M. P

Approved by:

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