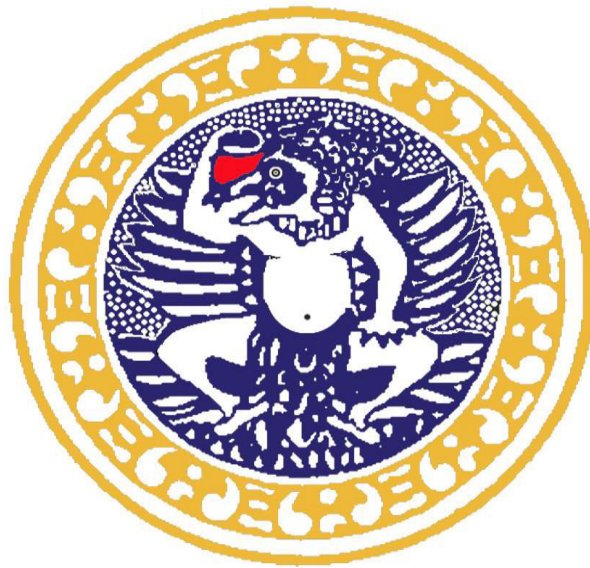


**THESIS**

**THE CAPABILITY OF *Cissus quadrangularis* EXTRACT  
TO MAINTAIN HOMEOSTASIS BLOOD CALCIUM  
LEVEL AS FRACTURE FEMUR THERAPY ON  
OVARIECTOMIZED RAT (*Rattus norvegicus*)**



**By:**

**MUHAMMAD IMAM HAIKAL**

**061111237**

**FACULTY OF VETERINARY MEDICINE  
UNIVERSITAS AIRLANGGA  
SURABAYA  
2015**

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Thesis

Submitted in partial fulfillment of the requirement for the degree of Bachelor of Veterinary Medicine

at

Faculty of Veterinary Medicine, Universitas Airlangga

by

**MUHAMMAD IMAM HAIKAL**

061111237

Approval of

Supervisor Committee,



**(Prof. Dr. Fedik A. Rantam, drh.)**

Supervisor



**(Dr. Rimavanti, M.Kes., drh.)**

Co-Supervisor

STATEMENT

Hereby, I declare that in this thesis entitled:

**THE CAPABILITY OF *Cissus quadrangularis* EXTRACT TO MAINTAIN  
HOMEOSTASIS BLOOD CALCIUM LEVEL AS FRACTURE FEMUR  
THERAPY ON OVARIECTOMIZED RAT (*Rattus norvegicus*)**

There is no work ever published to obtain a college degree in a certain college and to my knowledge there is also no work or opinion ever written or published by others, except those in writing referred to in this paper and mentioned in the references.

Surabaya, August 2015



**Muhammad Imam Haikal**

SIN 061111237

Has been assessed in Result Seminar

Date: 13<sup>th</sup> August 2015

RESULT SEMINAR ASSESSEMENT COMMITTEE

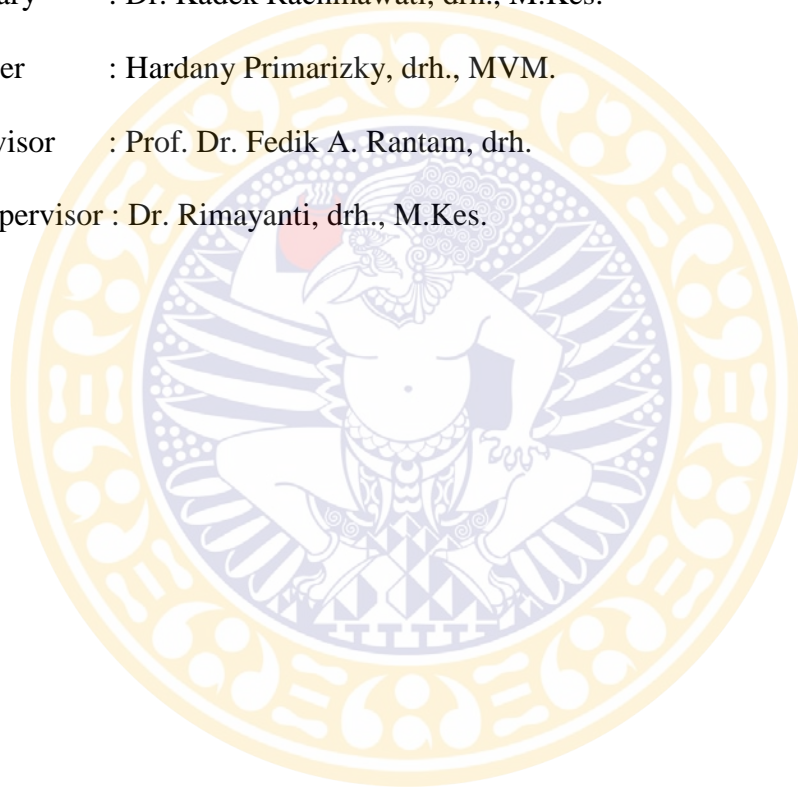
Head : Ira Sari Yudaniayanti, drh., MP.

Secretary : Dr. Kadek Rachmawati, drh., M.Kes.

Member : Hardany Primarizky, drh., MVM.

Supervisor : Prof. Dr. Fedik A. Rantam, drh.

Co-Supervisor : Dr. Rimayanti, drh., M.Kes.



Has been examined

Date: 19<sup>th</sup> August 2015

THESIS DEFENSE ASSESSMENT COMMITTEE

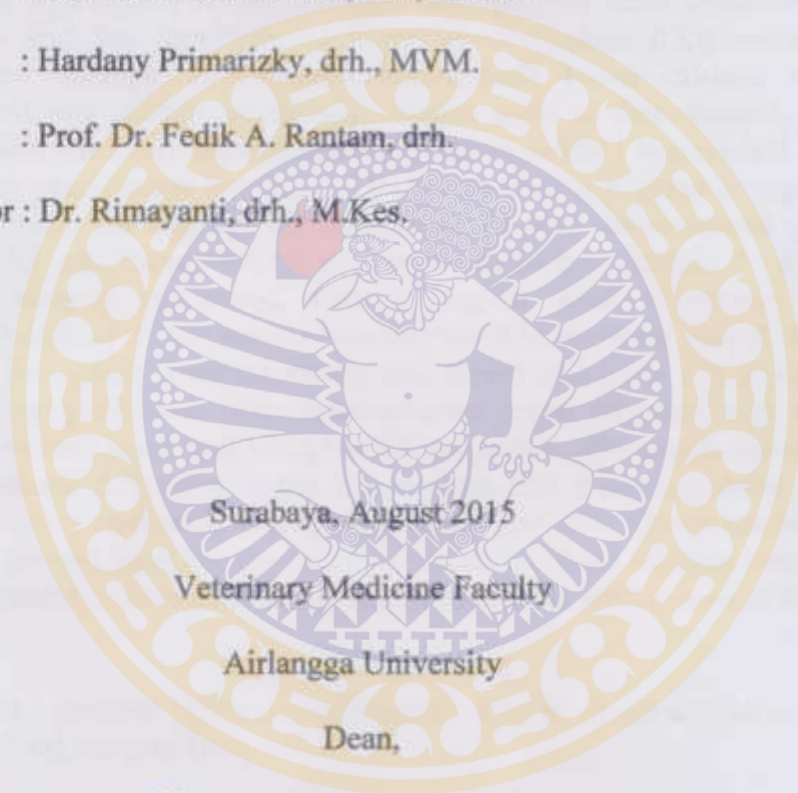
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