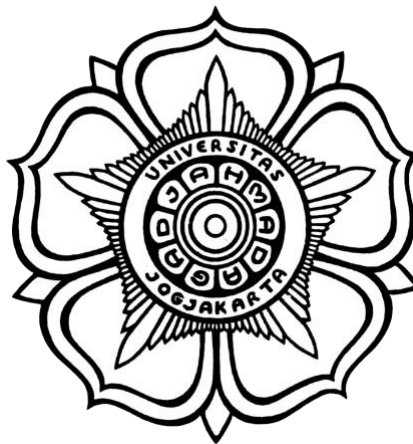


**The Effects of Vitamin D on mRNA Expression of IL-1 $\beta$  and TNF- $\alpha$  in  
Hippocampus of Transient Global Brain Ischemic Attack Model in Rat**

**GRADUATING PAPER**

As Partial Fulfillment of the Requirement of Bachelor Degree in Faculty of  
Medicine, Public Health and Nursing

Universitas Gadjah Mada



Written by:

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INTERNATIONAL UNDERGRADUATE PROGRAMME

FACULTY OF MEDICINE, PUBLIC HEALTH, AND NURSING

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## RATIFICATION PAGE

### THESIS

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To Partially Fulfil the Requirements for Obtaining a  
Bachelor of Medicine Degree Gadjah Mada University

Submitted by:

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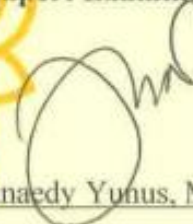


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