

**THESIS**

**EPSTEIN-BARR VIRUS SPECIFIC IgG AND IgA  
ANTIBODIES DIVERSITY OF  
NASOPHARYNGEAL CARCINOMA PATIENTS FROM  
THE NETHERLANDS AND INDONESIA**



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PERPUSTAKAAN  
UNIVERSITAS AIRLANGGA  
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GRADUATE SCHOOL OF AIRLANGGA UNIVERSITY  
SURABAYA**

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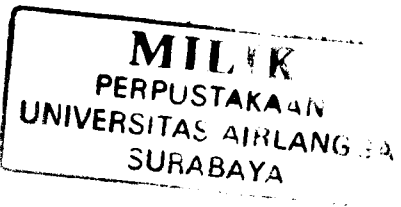
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**THESIS**

**To obtain a Master's Degree  
in the Immunology Program  
At the Graduate School of Airlangga University**

**By**

**INSANI BUDININGSIH**

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**MASTER OF IMMUNOLOGY PROGRAM  
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**Date 2<sup>nd</sup> of July 2018**

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Validity Sheet

THESIS REVISED  
ON THE 12<sup>TH</sup> OF JULY 2018

Advisor 1

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Prof. Dr. Yoes Prijatna Dachlan, dr., MSc., SpPark  
Employee ID Number: 19410285972031005

Advisor 2

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Prof. Dr. Jaap Middeldorp  
Employee ID Number: 23028  
(From Vrije Universiteit Medisch Centrum,  
Amsterdam, The Netherlands)

Acknowledged by  
The Head of the Master of Immunology Program  
Graduate School of Airlangga University

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Employee ID Number : 19750407200604100

## **THESIS EXAMINER ASSESSMENT**

**This thesis has been assessed  
on the 2<sup>nd</sup> of July 2018**

**The Thesis Examining Committee:**

**Chairman of the examiner: Dr. Agung Dwi Wahyu Widodo, dr., Msi.,  
M.Ked.Klin., SpMK**

**Members:**

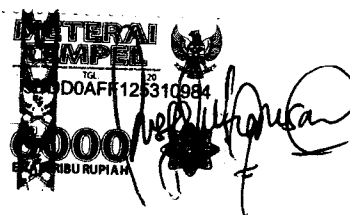
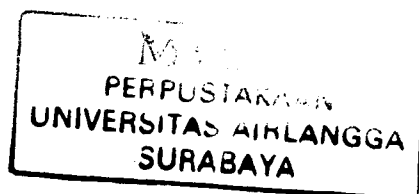
- 1. Prof. Dr. Yoes Prijatna Dachlan, dr., MSc., SpPark**
- 2. Prof. Dr. Jaap Middeldorp**
- 3. Dra. Heny Arwati, M.Sc., Ph.D**
- 4. Dr. Pudji Lestari, dr., M.Kes**

## STATEMENT OF PLAGIARISM

I hereby declare that my thesis entitled "**EPSTEIN-BARR VIRUS SPECIFIC IgG AND IgA ANTIBODIES DIVERSITY OF NASOPHARYNGEAL CARCINOMA PATIENTS FROM THE NETHERLANDS AND INDONESIA**" section or entirety of this thesis was never submitted for an academic degree in another field of study and/or University and never published/written by individuals other than the author, except when written in citation format.

If evidence is found that my statement is incorrect, then I am willing to accept sanctions in accordance with applicable provisions at Airlangga University.

Surabaya, 2 July 2018



Insani Budiningsih

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Surabaya, 2<sup>nd</sup> of July 2018

Writer