

**TUGAS AKHIR LITERATURE REVIEW**

**ETIOLOGI PATOGEN PENYEBAB DIARE PADA ANAK DALAM 10  
TAHUN TERAKHIR**



**ESA WIDHANAR**

**20161880018**

**FAKULTAS KEDOKTERAN**

**UNIVERSITAS MUHAMMADIYAH SURABAYA**

**2020**



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**“ETIOLOGI PATOGEN PENYEBAB DIARE PADA ANAK DALAM 10  
TAHUN TERAKHIR”**

***LITERATUR REVIEW***

Diajukan Kepada Fakultas Kedokteran Universitas Muhammadiyah Surabaya untuk  
Memenuhi Kewajiban Persyaratan Kelulusan Guna Memperoleh Gelar Sarjana  
Kedokteran

**OLEH:**

**ESA WIDHANAR**

**NIM 20161880018**

**FAKULTAS KEDOKTERAN  
UNIVERSITAS MUHAMMADIYAH SURABAYA  
2020**

## **PERSETUJUAN PEMBIMBING**

Tugas Akhir dengan judul “**Etiologi Patogen Penyebab Diare Pada Anak Dalam 10 Tahun Terakhir**” yang diajukan oleh mahasiswa atas nama **ESA WIDHANAR (20161880018)**, telah diperiksa dan disetujui isi serta susunannya, sehingga diajukan dalam ujian siding tugas akhir pada Program Penelitian S1 Pendidikan Dokter Fakultas Kedokteran Universitas Muhammadiyah Surabaya.

Surabaya, 28 Agustus 2020

Menyetujui

Pembimbing I

(dr. Musa Ghufron, MMR)

Pembimbing II

(dr. Nenny Triastuti, M.Si)

Mengetahui,

Ketua Program Penelitian



(dr. Nurma Yuliyanasari, M.Si)

## PENGESAHAN PENGUJI

Tugas Akhir dengan judul “**Etiologi Patogen Penyebab Diare Pada Anak Dalam 10 Tahun Terakhir**“ telah berhasil dipertahankan di hadapan tim penguji pada tanggal 28 Agustus 2020 oleh mahasiswa atas nama **ESA WIDHANAR (20161880018)**, Program Penelitian S1 Pendidikan Dokter Fakultas Kedokteran Universitas Muhammadiyah Surabaya.

### TIM PENGUJI

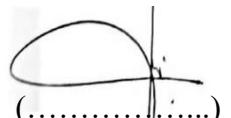
Penguji

: dr. Edim Hartati, Sp.A., M.Kes



Pembimbing I

: dr. Musa Ghufron, MMR



Pembimbing II

: dr. Nenny Triastuti, M.Si



Mengesahkan,

Dekan Fakultas Kedokteran



dr. M. Yusuf Wibisono, Sp.P(K), FCCP, FIRS

## **PERNYATAAN TIDAK MELAKUKAN PLAGIASI**

Yang bertanda tangan di bawah ini:

NAMA : Esa Widhanar  
NIM : 20161880018  
Fakultas : Kedokteran  
Program Studi : S1 Pendidikan Dokter

Menyatakan bahwa Tugas akhir dengan “**Etiologi Patogen Penyebab Diare Pada Anak Dalam 10 Tahun Terakhir**” yang saya tulis benar-benar tulisan karya sendiri bukan hasil plagiasi, baik sebagian atau keseluruhan. Bila dikemudian hari terbukti hasil plagiasi, maka saya bersedia menerima sanksiakademik sesuai dengan ketentuan yang berlaku di Universitas Muhammadiyah Surabaya.

Surabaya, 28 Agustus 2020

Yang membuat pernyataan,



ESA WIDHANAR

20161880018

## UCAPAN TERIMA KASIH

Puji syukur kehadirat Allah SWT, atas segala limpahan rahmat dan karunia-Nya, sehingga tugas akhir ini dengan judul **“Etiologi Patogen Penyebab Diare Pada Anak dalam 10 Tahun Terakhir”** dapat diselesaikan dengan baik.

Penyusunan tugas akhir ini dilakukan guna untuk memenuhi persyaratan memperoleh gelar Sarjana Kedokteran pada Universitas Muhammadiyah Surabaya. Dalam penyusunan skripsi ini tidak lepas dari bimbingan dan bantuan dari berbagai pihak, maka dari itu dengan rasa hormat saya sampaikan terima kasih kepada:

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## Daftar Singkatan

KEMENKES RI : Kementerian Kesehatan Republik Indonesia

PCR : *Polymerase Chain Reaction*

IDAI : Ikatan Dokter Anak Indonesia

WHO : *World Health Organization*

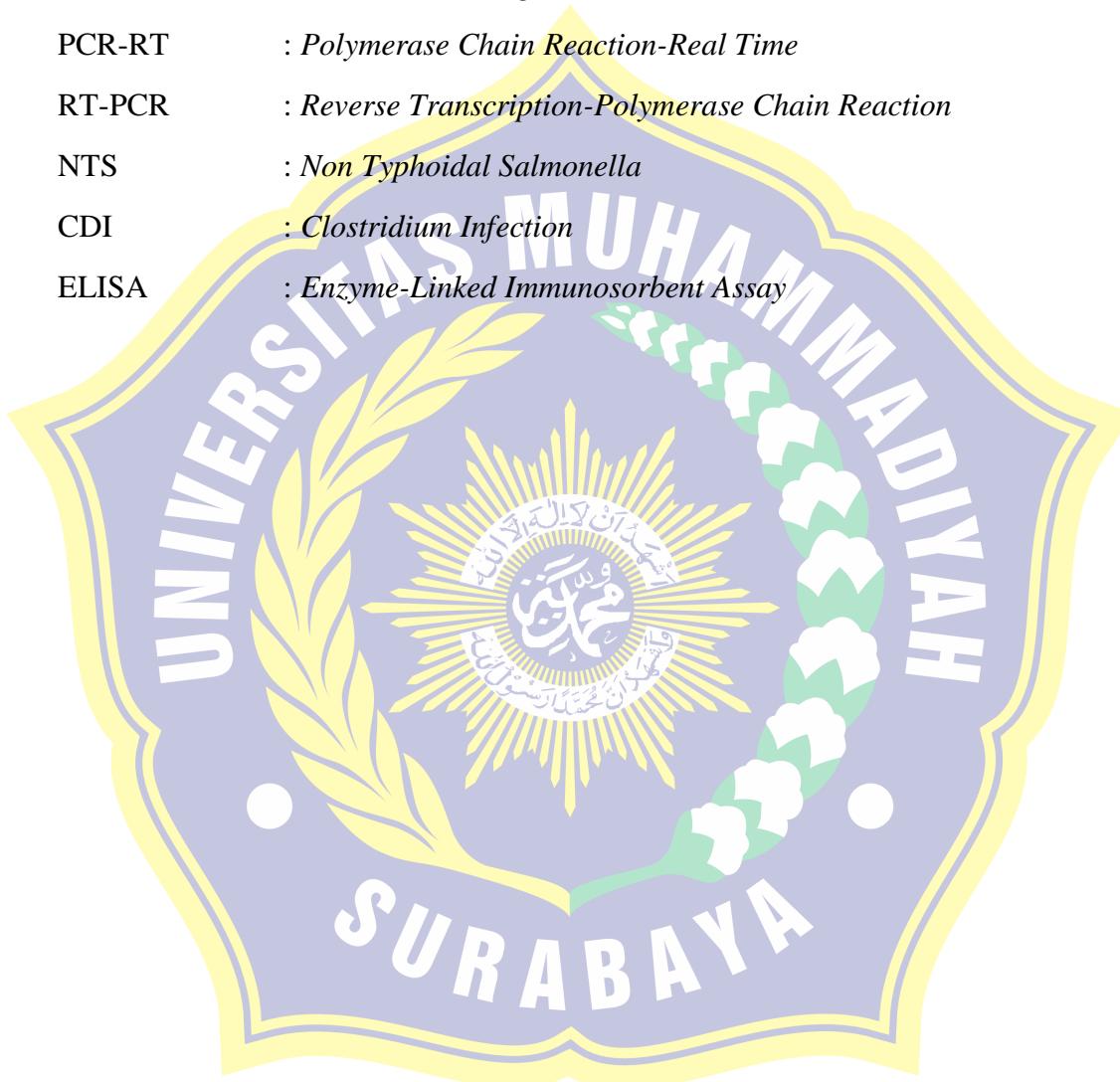
PCR-RT : *Polymerase Chain Reaction-Real Time*

RT-PCR : *Reverse Transcription-Polymerase Chain Reaction*

NTS : *Non Typhoidal Salmonella*

CDI : *Clostridium Infection*

ELISA : *Enzyme-Linked Immunosorbent Assay*



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