



UNIVERSITAS  
GADJAH MADA

**The Effect of Geotextile Reinforcement on Subgrade Strength at The Transition Zone**

Andhika Nurdiantono, Dr.Eng., Ir. Imam Muthohar, S.T., M.T., IPM; Prof. Dr.Techn., Ir. Danang Parikesit, M.Sc., IPU,

Universitas Gadjah Mada, 2024 | Diunduh dari <http://etd.repository.ugm.ac.id/>

**THE EFFECT OF GEOTEXTILE REINFORCEMENT ON  
SUBGRADE STRENGTH AT THE TRANSITION ZONE**

**THESIS**

This thesis is submitted in partial fulfillment of the requirements for degree of Master of  
Science at Master Programme in Transport System and Engineering



**ANDHIKA NURDIANTONO**

**21/487346/PTK/14235**

**MASTER PROGRAM  
MASTER OF TRANSPORT SYSTEM AND ENGINEERING  
CIVIL AND ENVIRONMENTAL ENGINEERING DEPARTMENT  
FACULTY OF ENGINEERING  
UNIVERSITAS GADJAH MADA  
YOGYAKARTA  
2024**

## APPROVAL SHEET

Supervisors approve this thesis.

### THE EFFECT OF GEOTEXTILE REINFORCEMENT ON SUBGRADE STRENGTH AT THE TRANSITION ZONE

Prepared by:

**Andhika Nurdiantono**

21/487346/PTK/14235

**Supervisor:**

**Dr.Eng., Ir. Imam Muthohar, S.T., M.T., IPM**

NIP. 19760922 200501 1 001

Date: 20 January 2024

**Co-Supervisor:**

**Prof. Dr. Tech., Ir. Danang Parikesit, M.Sc.,**

**IPU, ASEAN.Eng., ACPE**

NIP. 19650603 199003 1 002

Date: 30 January 2024

**VALIDATION SHEET**

**THESIS**

**THE EFFECT OF GEOTEXTILE REINFORCEMENT ON SUBGRADE STRENGTH  
AT THE TRANSITION ZONE**

Prepared and arranged by:

**Andhika Nurdiantono**

**21/487346/PTK/14235**

This thesis has been defended in front of the Examiner.

On 23 January 2024

**Supervisor:**

Dr. Eng., Ir. Imam Muthohar, S.T., M.T., IPM.

NIP. 19760922 200501 1 001

Date: 30 January 2024

**Co-supervisor:**

Prof. Dr. Tech., Ir. Danang Parikesit, M.Sc.,

IPU, ASEAN.Eng., ACPE

NIP. 19650603 199003 1 002

Date: 30 January 2024

**Examiner:**

Prof. Ir. Suryo Hapsoro Tri Utomo, Ph.D.,

IPU, ASEAN.Eng.

NIP. 19560901 198503 1 003

Date: 21 January 2024

This thesis has been accepted in partial fulfillment of the requirements for degree of Master of  
Science

January 2024

Approved by,

Head of Civil and Environmental Engineering Department



**Prof. Ir. T. Faisal Fathani, S.T., M.T., Ph.D., IPU., ASEAN.Eng.**

**NIP. 19750526 199903 1 002**