

# **IMPROVING WEBPAGE IMAGE SALIENCY PREDICTION THROUGH FINE-TUNING ON TRANSALNET DECODER FROM NATURAL IMAGES TO WEBPAGE DATASET**

## **Thesis**

submitted in partial fulfillment of the requirements  
for the degree of master

Information Engineering Graduate Program

Data Analytics and Pervasive Intelligence  
Department of Electrical Engineering and Information Technology



proposed by

**FAADIHILAH AHNAF FAIZ**  
**21/489529/PTK/14286**

To

**GRADUATE PROGRAM**  
**FACULTY OF ENGINEERING**  
**UNIVERSITAS GADJAH MADA**  
**YOGYAKARTA**  
**2026**

## THESIS

# IMPROVING WEBPAGE IMAGE SALIENCY PREDICTION THROUGH FINE-TUNING ON TRANSALNET DECODER FROM NATURAL IMAGES TO WEBPAGE DATASET

**Faadihilah Ahnaf Faiz**

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has been approved by Supervisor team

Supervisor



**Dr.Eng. Ir. Sunu Wibirama, S.T., M.Eng., IPM.**

Co-Supervisor



**Ir. Noor Akhmad Setiawan, S.T., M.T., Ph.D., IPM.**



## TESIS

# OPTIMALISASI PREDIKSI *SALIENCY* PADA CITRA HALAMAN WEB DENGAN *FINE-TUNING* PADA DECODER TRANSALNET MENGGUNAKAN *TRANSFER LEARNING* DARI DATASET *NATURAL IMAGES* KE *WEBPAGE IMAGES*

**Faadihilah Ahnaf Faiz**

21/489529/PTK/14286

telah disetujui Tim Pembimbing

Pembimbing Utama



**Dr.Eng. Ir. Sunu Wibirama, S.T., M.Eng., IPM.**

Pembimbing Pendamping



**Ir. Noor Akhmad Setiawan, S.T., M.T., Ph.D., IPM.**



## THESIS

# IMPROVING WEBPAGE IMAGE SALIENCY PREDICTION THROUGH FINE-TUNING ON TRANSALNET DECODER FROM NATURAL IMAGES TO WEBPAGE DATASET

Written by

**Faadihilah Ahnaf Faiz**

21/489529/PTK/14286

Has been defended in front of the Board Examiners

On : **January 22, 2026**

Chief of examiner



**Dr. Ir. Ahmad Nasikun, S.T., M.Sc.**

Examiner

Examiner



**Ir. Noor Akhmad Setiawan, S.T., M.T., Ph.D., IPM.**

Examiner



**Dr.Eng. Ir. Sunu Wibirama, S.T., M.Eng., IPM.**



**Dr.Eng. Silmi Fauziati, S.T., M.T.**

This Thesis has been submitted in partial fulfillment of the requirements for the degree of Master of Engineering

On: **January 30, 2026**

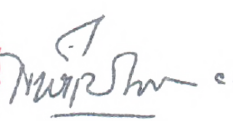
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TESIS

**OPTIMALISASI PREDIKSI SALIENCY PADA CITRA HALAMAN WEB  
DENGAN FINE-TUNING PADA DECODER TRANSALNET MENGGUNAKAN  
TRANSFER LEARNING DARI DATASET NATURAL IMAGES KE WEBPAGE  
IMAGES**

Dipersiapkan dan disusun oleh

**Faadihilah Ahnaf Faiz**

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Telah dipertahankan di depan dewan penguji

Pada tanggal : **22 Januari 2026**

**Susunan Dewan Penguji**

Ketua

Anggota



**Dr. Ir. Ahmad Nasikun, S.T., M.Sc.**

Anggota



**Ir. Noor Akhmad Setiawan, S.T., M.T., Ph.D.,  
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**Dr.Eng. Ir. Sunu Wibirama, S.T., M.Eng., IPM.**



**Dr.Eng. Silmi Fauziati, S.T., M.T.**

Tesis ini telah diterima sebagai salah satu persyaratan  
untuk memperoleh gelar Magister

Tanggal: **30 Januari 2026**

Ketua Program Studi Magister Teknologi Informasi



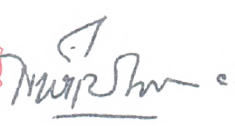
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Mengetahui,

Ketua Departemen

Teknik Elektro dan Teknologi Informasi



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