

**APPROVAL PAGE  
UNDERGRADUATE THESIS**

***STEEL SURFACE DEFECT INSPECTION SYSTEM BY USING DEEP  
LEARNING SEGMENTATION MODEL UNET***

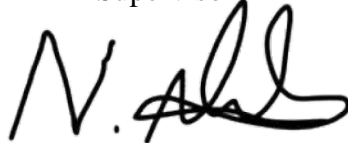
**is verified and approved as an undergraduate thesis  
in partial fulfillment of requirements for the bachelor's degree of  
Telecommunications Engineering  
School of Electrical Engineering  
Telkom University  
Bandung**

**Maraden Naek Nainggolan  
110182522**

**Bandung, August 20,2023**

**Approved by:**

Supervisor I



Nur Ibrahim, S.T., M.T.  
14870047

Supervisor II

Fityanul Akhyar , S.T., M.T.,Ph.D  
20840005