PREFACE

We offer all praise and gratitude to Allah for all His grace and guidance. The thesis entitled "YOLO V5 OUTPUT REFINEMENT VIA KALMAN FILTERING AND VOTING-BASED POLLING TO REDUCE CLASS INSTABILITY IN VIDEO OBJECT DETECTION" can be completed on time

This thesis was prepared as a prerequisite for obtaining a Master's in Informatics at Telkom University. In addition, this thesis contributes to Computer Science, especially on the topic of Computer Vision with a focus on Image Classification.

However, writing this thesis takes work. The author encountered many challenges and obstacles, such as time spent searching for relevant journals, time-consuming data processing, doing a lot of trial and error to achieve the best results, and losing motivation and enthusiasm sometimes.

The author also realizes that this thesis still has shortcomings and could be improved. Apart from that, the successful completion of this thesis cannot be separated from the guidance, direction, and support provided by many parties. Therefore, the author would like to express his deepest gratitude to all parties who have contributed directly and indirectly.

Bandung,

GALAXY