

PREFACE

Alhamdu lillahi rabbil 'alamin, praise to Allah, the Most Gracious, the Most Merciful, with His mercy and guidance, the author has successfully completed this thesis entitled **IMPACT OF TRANSFER LEARNING AND FINE-TUNING ON PRE-TRAINED CONVOLUTIONAL NEURAL NETWORK MODELS FOR THE CLASSIFICATION OF LEMONGRASS (*CYMBOPOGON CITRATUS*) LEAF CONDITIONS**. This thesis is compiled as part of the graduation requirements of the Program of Master of Electrical-Telecommunication Engineering, School of Electrical Engineering, Telkom University.

Some parts of this thesis have also been submitted to The 2025 IEEE International Conference on Artificial Intelligence for Learning and Optimization (ICoAILO 2025), demonstrating its contribution to ongoing research in artificial intelligence, machine learning, and telecommunication applications.

The author welcomes constructive suggestions for improving this thesis. Hopefully, this work will provide valuable contributions to readers and support the advancement of education and research in Indonesia, particularly in the field of telecommunications and artificial intelligence.

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