

PREFACE

Praise be to Allah, the Most Gracious and Most Merciful, for His mercy and guidance. The author has completed this thesis titled “**ANNEALED COUNTERFACTUAL ATTENTION FOR FINE-GRAINED VISUAL CLASSIFICATION**”. This thesis was prepared to fulfill the graduation requirements for the Master of Electrical Engineering program at the Faculty of Electrical Engineering, Telkom University.

Some parts of this thesis have also been submitted to the International Journal on Informatics Visualization (JOIV) and the International Conference on Computing and Applied Informatics (ICCAI).

Suggestions and constructive feedback for improving this thesis are greatly appreciated. It is hoped that the results of this thesis will continue to be refined and developed, serving as a meaningful contribution for readers and Indonesia, particularly in advancing education and research in the field of artificial intelligence in the years to come.

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