PREFACE

All praise and gratitude be to Allah SWT for His blessing and mercy, which enable the author to complete this thesis entitled "Feature Selection for Event Related Potential Classification on Problematic Online Gamers Using Metaheuristic-Based Algorithm In Electroencephalogram Signal." This thesis was submitted to fulfil one of the requirements of obtaining a Master's degree in Electrical Engineering at Telkom University. May prayers and peace be always upon the Prophet Muhammad SAW, family, friends, and his followers.

This research is dedicated to the scientific community and professionals passionate about the development of machine learning and metaheuristic algorithms, particularly in the field of Electroencephalogram (EEG) signal processing. The aim of this study is to contribute to the understanding of Event-Related Potential (ERP) classification and to provide an innovative approach for analyzing the neurophysiological impact of problematic online gaming through feature selection techniques.

The author acknowledges that this research is a starting point and is far from perfect. Therefore, constructive feedback and suggestions from readers are highly encouraged to improve this work. It is hoped that this thesis can offer valuable insights for those interested in EEG signal processing and feature selection using metaheuristic-based algorithms. Finally, the author expresses deep gratitude to everyone who has supported and contributed to this work. May Allah SWT reward all their kindness abundantly.

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Ayu Sekar Safitri