

ACKNOWLEDGMENTS

I would like to begin by expressing my heartfelt thanks to my thesis advisor, Isman Kurniawan, S.Pd., M.Si., M.Sc., Ph.D., from the School of Computing at Telkom University. His office door was always open for guidance when I faced challenges or had questions, allowing me to steer my work while providing direction when needed.

I am also deeply grateful to the expert involved in the data validation for this research project, Nida Nadia, Psi, a clinical psychologist from Klinik Utama Sancita in Kuningan, West Java. Their passionate involvement and valuable input were crucial to the successful completion of the data validation.

I would also like to extend my sincere appreciation to the examiners of this thesis. Their invaluable comments and insightful feedback have greatly enhanced the quality of this work, for which I am sincerely grateful.

Finally, I must express my deepest gratitude to my parents, siblings, extended family, and my boyfriend for their unwavering support and constant encouragement throughout my years of study and during the process of researching and writing this thesis. This accomplishment would not have been achievable without them. Thank you.

Author

Asty Nabilah 'Izzaturahmah

PREFACE

This thesis, titled "TWEET-BASED DEPRESSION DETECTION USING BERT OPTIMIZED BY GREY WOLF OPTIMIZATION" represents the culmination of my academic journey in the field of Computer Science. The research presented herein was conducted over a period a year, during which I have delved deeply into the intricacies of Transformer Methods, and meta-heuristic algorithms and their applications.

I am grateful to Allah SWT for blessing me with the resilience, insight, and determination needed to complete this thesis. It is my sincere hope that the findings and insights presented in this work will inspire further research and development in related fields.

Bandung,

Asty Nabilah 'Izzaturahmah