ACKNOWLEDGMENTS

All praise to Allah SWT for the blessings and strength given throughout this research journey.

1. I would like to express my deepest gratitude to my academic supervisors, Yudhistira Nugraha, S.T., MCIT adv., D.Phil. and Muhamad Erza Aminanto, M.T., Ph.D., for their invaluable guidance, constructive feedback, and continuous support throughout the research process.

2. I extend my sincere appreciation to the cybersecurity experts who participated in the validation phase. Their insights significantly improved the relevance and applicability of the proposed SOC model.

3. I thank the Department of Communication and Informatics (Diskominfo) of the Bandung City Government for supporting the demonstration of the SOC model and providing the opportunity to engage with real-world challenges.

4. My sincere thanks go to Dr. Farah Afianti, S.T., M.T., Head of the Master's Program in Cyber Security and Forensics, and Ms. Kiki, Secretary of the Program, for their leadership, encouragement, and administrative assistance throughout the academic process.

5. I would also like to thank Assoc. Prof. Dr. Vera Suryani, S.T., M.T., my academic advisor at Telkom University, for her continued guidance and support throughout my study.

6. I am grateful to my colleagues at the Faculty of Engineering and the Informatics Program of Langlangbuana University for their encouragement, collegiality, and academic support throughout this journey.

7. I would also like to thank my fellow students in the Cyber Security and Forensics Master's Program, especially the 3rd cohort, for their collaboration, friendship, and encouragement throughout this academic journey.

8. Finally, I express heartfelt gratitude to my beloved family. Their prayers, motivation, and patience have been my greatest source of strength in completing this thesis.

Bandung, 3rd August, 2025
Aisyah Nuraeni