

PREFACE

All praise is due to Allah SWT for the guidance and strength that enabled the author to complete this master's research entitled "Co-channel Interference of Multi-beam and Frequency Reuse on the GSO High Throughput Satellite: Techno-Economic and Regulatory Analysis in Indonesia." This thesis is required to complete the Master's Program in Electrical-Telecommunication Engineering, specializing in Regulation and Management of Telecommunication (RMT) at Telkom University.

The author acknowledges that this Master's Thesis is far from perfect and recognizes the limitations inherent in the research process. Therefore, the author sincerely apologizes for any shortcomings that may be present. Constructive criticism and suggestions from readers are welcomed and essential for addressing the gaps identified in this research.

The author hopes this research will contribute valuable insights to the field of telecommunications, especially in satellite communication. It will enrich the reader's knowledge and foster a deeper understanding of the complexities involved in co-channel interference and frequency reuse in HTS. Furthermore, it is intended that this work will inspire fellow students, academics, and satellite operators nationally and globally to pursue advanced research in this vital area of study.

In closing, the author expresses gratitude to all who have supported this journey, including supervisors, peers, and family, whose encouragement and guidance have been invaluable throughout this academic endeavor.

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