

**BARRIERS TO RIPPLE ADOPTION IN  
TRADITIONAL BANKING SYSTEM:  
CHALLENGES AND OPPORTUNITIES IN  
CROSS-BORDER MONEY TRANSFERS**

**Thesis**

To Fulfill the Requirement to Obtain a Master Degree  
Master in Management



Submitted By:

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**Barriers to Ripple Adoption in Traditional Banking System: Challenges and Opportunities in Cross-Border Money Transfer**

Daniel Matthew Iskandar, Rocky Adiguna, S.E., M.Sc., Ph.D.

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## ABSTRACT

The financial industry is undergoing a digital transformation with the rise of blockchain technology. Ripple (XRP) has emerged as a leading blockchain-based payment system offering faster, more cost-efficient, and secure cross-border transactions. While some financial institutions have integrated Ripple's technology, many traditional banks system remain hesitant due to regulatory uncertainty, technical integration challenges, and strategic risks.

This thesis conducts a comprehensive case study explores the barriers to Ripple adoption in traditional banking systems and provides a strategic roadmap for overcoming these challenges especially in Asia Banking Industry. The research will analyze the regulatory landscape, operational constraints, and competitive positioning of Ripple compared to traditional payment systems like SWIFT. A mixed-method approach will be used, incorporating case studies, expert interviews, and comparative financial analysis to assess Ripple's efficiency, security, and compliance with banking regulations.

Findings from this study will help bank executives and strategic planners understand the feasibility of integrating Ripple into their operations while ensuring compliance with regulatory frameworks. The research will also outline key strategies for banks to adopt On-Demand Liquidity (ODL) solutions and leverage Ripple's blockchain infrastructure to enhance liquidity management and global payment efficiency.

This thesis contributes to the field of strategic financial management by providing data-driven insights and strategic recommendations for financial institutions considering blockchain adoption. The results will serve as a practical guide for banks looking to transition toward blockchain-powered financial services while navigating the risks and opportunities associated with Ripple technolo



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