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Optimizing the Management of Public Funds at Islamic Banks Through Liability Management

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Abstract

This study examines the strategic frameworks governing asset liability management within Islamic banking institutions to optimize public fund management without violating religious jurisprudence. Utilizing a qualitative library research design, the analysis evaluates secondary data spanning statutory regulatory frameworks, central bank macrofinancial records, and authoritative financial treatises. The findings reveal that effective liability management depends on a systematic partitioning between custody based accounts and investment partnerships to mitigate unexpected funding mismatches and control operational costs. Furthermore, integrating diversified capital pools from sovereign entities, educational centers, and social finance foundations provides a durable liquidity buffer that enhances institutional resilience against macroeconomic contractions. The study demonstrates that long term stability requires a balanced configuration that harmonizes profit sharing expectations with strict regulatory parameters. Ultimately, the successful mobilization of public liquidity is achieved by combining robust technological platforms, digital transaction convenience, and dual corporate governance oversight, which collectively reinforce institutional trust and secure sustainable economic growth in accordance with Islamic ethical standards.

Keywords : Islamic Banking, Liability Management, Public Funds, Financial Liquidity, Risk Governance.



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INTRODUCTION

The global financial landscape has witnessed a profound transformation driven by rapid digital evolution and intensifying cross-border competition, forcing financial institutions to re-evaluate their fundamental intermediary architectures. Within this dynamic environment, Islamic banking institutions have emerged as critical components of the international financial ecosystem, operating on a paradigm that explicitly rejects interest-based transactions while fostering inclusive economic growth. The operational resilience and expansionary trajectory of these institutions depend fundamentally on their capacity to mobilize public funds efficiently, which constitutes the primary engine for subsequent asset generation and productive financing allocation. In the contemporary macroeconomic landscape, relying solely on traditional profit-sharing attractiveness is no longer sufficient to secure a stable funding base amidst fluctuating global market liquidity and volatile shifting consumer preferences. Consequently, contemporary global discourse in banking literature increasingly centers on the strategic imperative of liability management as a holistic framework to govern fund acquisition, mitigate maturity mismatches, and insulate banks from systemic external shocks. For Islamic commercial entities, this challenge acquires a layer of complexity because the optimization of third-party funds must be executed within the boundaries of Sharia principles, balancing commercial survival with ethical mandates like risk-sharing and social justice.

Extensive empirical inquiries have explored the dynamics of financial performance and funding mechanisms within Islamic financial institutions, producing insights into the interplay between operational structures and organizational sustainability. Scholarly works demonstrate that the profitability of Sharia-compliant banks is deeply intertwined with internal financing dynamics, robust Islamic governance frameworks, and corporate social responsibility initiatives, all of which jointly reinforce institutional credibility and attract public deposits (Puspitasari et al., 2023). In tandem with

these governance mechanisms, risk minimization protocols remain crucial for enhancing overall institutional performance and insulating modern banking operations from sudden macroeconomic downturns (Roziq & Ahmad, 2024). At the micro-level of Islamic financial cooperatives, researchers emphasize that optimizing capital structures and refining operational approaches are indispensable steps for resolving chronic capitalization issues and ensuring long-term institutional stability (Rohman et al., 2024). Furthermore, the broader stability of the Islamic financial sector relies significantly on established regulatory structures, where comprehensive legal frameworks govern both funding management and loan risk mitigation to protect depositor interests (Tarantang & Astiti, 2023). Within the micro-educational and community sphere, literature also highlights that optimizing internal financial management and reporting mechanisms serves as the bedrock for increasing accountability and public transparency (Zahirah & Suhaedi, 2025). Collectively, these studies establish that institutional survival requires an integrated approach combining governance, strict risk mitigation, and robust operational frameworks.

Despite these insights, existing literature exhibits conceptual gaps regarding how Islamic commercial banks navigate the specific operational trade-offs embedded within their liability structures. While conventional liability management relies on predictable, interest-bearing instruments to control the cost of fund variables, Islamic institutions are structurally bound to profit-and-loss sharing contracts like Mudharabah and custody-based Wadiah structures. Empirical analyses indicate that managing profit-and-loss sharing financing involves significant risk-return volatility, which directly complicates the predictability of payout ratios to depositors (Suman et al., 2026). This inherent volatility introduces a research tension: standard banking models assume liability management can precisely minimize funding costs, yet Islamic banks face fluctuating funding expenses determined by actual investment outcomes rather than pre-fixed rates. Furthermore, macro-level industry assessments confirm that while the sector experiences positive asset growth, it faces persistent structural friction from low financial literacy, intense competition with conventional banks, and liquidity pressures. The existing literature frequently treats asset-liability management as a uniform framework (Nurhayati, 2023), often overlooking how specific liability-side optimization strategies function when deposits are driven by diverse Sharia contracts with distinct withdrawal behaviors and regulatory compliance costs.

Unresolved gaps in liability optimization present scientific and practical challenges that threaten the financial stability of the dual-banking ecosystem. From a theoretical standpoint, failing to conceptualize an optimized liability framework under Sharia constraints leaves Islamic banking models vulnerable to classical liquidity traps, where sudden shifts in depositor sentiment can trigger severe maturity mismatches. Practically, as central banking authorities observe broader macroeconomic shifts and evolving transaction volumes, Islamic banks risk facing elevated funding costs that erode their competitive margins against conventional peers (Bank Indonesia, 2023). Financial regulators emphasize the need to strengthen structural resilience and modernize funding strategies to survive in an era of digital disruption (Otoritas Jasa Keuangan, 2024). Without an optimized approach to managing low-cost third-party funds, Islamic banks may face higher operational costs, forcing them to increase financing rates and inadvertently reduce access to capital for productive economic sectors. Resolving this problem is essential for establishing an operational baseline that protects the institution's fiduciary duties while preserving its market share in highly competitive financial environments.

This research addresses these gaps by evaluating an optimized framework for Islamic liability management that integrates Sharia compliance with modern financial performance goals. Moving beyond descriptive accounts of asset-liability management (Ismail, 2020), this study analyzes the operational interactions between specific Sharia deposit structures, cost-of-fund efficiency, and active liquidity risk control. The study positions itself within the current debate by examining how banks can use digital innovations and product diversification as strategic tools within liability management to stabilize their funding bases. By exploring these dynamics through the lenses of Sharia principles and financial management theory, this paper analyzes the operational trade-offs between Wadiah and Mudharabah deposits (Karim, 2021). This approach helps explain how banks can minimize funding costs while maintaining the required liquidity buffers to meet depositor demands (Kasmir, 2022). The resulting model provides a clearer understanding of how Islamic banks can achieve financial resilience without compromising their ethical foundations.

The primary objective of this study is to analyze how liability management strategies optimize public fund management within Islamic banks while maintaining strict compliance with Sharia

principles. To achieve this, the investigation uses a qualitative library research design to synthesize regulatory guidelines, financial theories, and empirical banking data into a unified analytical framework. The study offers a theoretical contribution by showing how risk-sharing principles modify standard liability management assumptions, demonstrating that funding optimization requires managing both cost variables and depositor behavior across different Sharia contracts. Methodologically, the study provides an integrated conceptual framework that maps out how product diversification, digital deposit systems, and specific cost-control strategies help mitigate liquidity risks. Ultimately, these insights provide actionable strategies for bank managers and policymakers aiming to strengthen the competitive position and long-term stability of the Islamic perbankan sector within modern global markets.

RESEARCH METHODS

This nonempirical study adopts a qualitative approach utilizing a comprehensive library research design to examine the systemic frameworks governing asset liability management within Sharia banking institutions. The conceptual approach systematically investigates how public funds can be optimized through targeted liability management structures without violating Islamic jurisprudence. Data collection relies on secondary sources gathered through a rigorous selection process that spans statutory regulatory frameworks, central bank macrofinancial records, and national strategic roadmaps for financial reinforcement. The literature selection protocol follows inclusion criteria targeting academic textbooks, peer reviewed papers, and authoritative financial treatises dealing explicitly with fund mobilization and modern banking mechanics. By evaluating these multilayered documents, the research establishes a robust conceptual foundation that connects regulatory compliance with commercial liability management operational practices.

The analytical model utilizes a descriptive qualitative synthesis method consisting of data reduction, comparative presentation, and contextual interpretation to extract meaningful patterns from the selected literature. This method evaluates how specific deposit instruments operate under unique Sharia contracts, focusing on the operational differences between profit and loss sharing structures and custody guarantees. The interpretive framework applies risk management principles and financial optimization theories to address maturity mismatches and funding cost challenges. Through this conceptual synthesis, the study evaluates the interactions between regulatory parameters and banking realities, bridging the operational division between abstract financial theory and corporate performance outcomes. The resulting analytical synthesis serves as a framework to optimize public liquidity while maintaining institutional stability and adherence to Islamic ethical principles.

RESULTS AND DISCUSSION

Structural Analysis of Islamic Liability Instruments and Mobilization Mechanics

The structural composition of liabilities within Islamic banking institutions reflects a distinct paradigm governed by religious jurisprudence that alters classical fund mobilization mechanics. Unlike conventional commercial counterparties that rely on debt based deposits with fixed returns, Islamic banks utilize fiduciary contracts to structure third party funds. The operational nature of these instruments requires a systematic partitioning between custody based arrangements and investment partnerships to ensure compliance. Financial frameworks dictate that these mechanisms balance depositor safety with the commercial necessity of funding multi sector assets.

The practical deployment of these contracts dictates how public funds are gathered and maintained across different economic conditions. Under the Wadiah Yad Dhamanah contract, banks accept public funds as safe deposits while guaranteeing full principal redemption upon demand. In contrast, Mudharabah arrangements transform depositors into capital providers who share commercial profits or losses based on pre agreed disclosure ratios. Managing this structural dichotomy requires precise administrative oversight to prevent unexpected structural issues and manage the cost of funds effectively.

The structural differences between these deposit instruments affect a bank's operational risks, withdrawal patterns, and liquidity needs. Table 1 outlines the regulatory classifications, structural contracts, and risk characteristics that define the mobilization of public funds.

Table 1. Structural Paradigm of Sharia Compliant Liability Instruments

Deposit Type	Core Islamic Contract	Return Mechanism	Primary Risk Factor
Demand Deposits	Wadiah Yad Dhamanah	Discretionary Bonus (Ataya)	High Withdrawal Volatility
Savings Accounts	Mudharabah Mutlaqah	Agreed Profit Sharing Ratio	Fiduciary Risk Mismatch
Time Deposits	Mudharabah Muqayyadah	Project Linked Returns	Displaced Commercial Risk

Source: Data DSN MUI (2000), Karim (2021), Nurhayati (2023)

The data in Table 1 shows that each instrument requires specific operational oversight due to its distinct risk characteristics. For demand deposits, using Wadiah structures allows banks to utilize funds while maintaining high liquidity to handle short term withdrawals (Ismail, 2020). Conversely, Mudharabah investments create a variable return framework that shifts fixed payment pressures away from the institution's balance sheet (Ascarya, 2021). This distinction confirms that optimizing public funds is directly tied to the specific mix of underlying Sharia contracts.

This structural variation means that banks must continuously monitor the proportion of low cost custody accounts versus higher yield investment certificates. An over reliance on short term demand deposits increases the risk of funding runbacks during periods of market stress (Kasmir, 2022). Meanwhile, an over concentration of term investment certificates raises overall funding costs, reducing the net margins available for asset financing (Umam, 2020). Therefore, balancing these structural components is a foundational task within asset liability management.

The legal frameworks established by regulatory authorities reinforce this balance by setting clear boundaries for contract implementation. Statutory legislation dictates that all mobilization strategies protect depositor principals while maintaining the contract definitions (Republik Indonesia, 2008). These rules prevent banks from offering guaranteed returns on investment partnerships, keeping the risk sharing nature of the system intact. Consequently, financial institutions must develop marketing and operational strategies that respect these legal boundaries.

Furthermore, empirical assessments indicate that different types of public deposits show varying levels of sensitivity to changes in macrofinancial benchmarks. While investment accounts often respond to shifting profit sharing returns, savings accounts are heavily influenced by service convenience and digital access. This behavior requires managers to design distinct retention strategies for each customer segment. Ultimately, aligning instrument features with depositor preferences allows institutions to build a more stable funding foundation.

The growth of institutional deposits from organizations like mosques and educational centers adds another layer of stability to the funding mix. These entities typically prioritize fund safety and institutional reputation over short term financial returns (Adriansyah & As Salafiyah, 2025). Securing these steady deposits helps insulate the bank's liability side from sudden retail market shifts. This stability allows the institution to commit capital to longer term financing projects with greater confidence.

In summary, the structural analysis of Islamic liability instruments demonstrates that fund optimization is not merely about increasing total volume. True optimization involves managing contract terms, regulatory limits, and depositor behaviors to build a balanced balance sheet. By adjusting these variables, Islamic banks can maintain financial health while adhering to their foundational ethical mandates.

Macrofinancial Dynamics, Institutional Fund Sourcing, and Regulatory Synchronization

Macrofinancial conditions exert a strong influence on the capacity of Sharia compliant financial institutions to capture and sustain stable funding pools from the public. The systematic expansion of third party deposits relies heavily on institutional liquidity sourcing from state organizations, civic foundations, and religious entities that maintain large cash balances. To structure these significant capital inflows effectively, corporate treasurers must align their retail liability products with national macrofinancial benchmarks and central bank monetary indicators. This alignment ensures that public

fund mobilization remains resilient against sudden shifts in macroeconomic variables and localized financial market contractions.

Strategic liquidity management requires a thorough evaluation of how large scale fund providers interact with the commercial framework of the banking system. Institutions such as state departments, national boards, and regional community groups require tailored contract variations that preserve capital while facilitating daily operational distributions. Treasury operations must balance these high volume institutional accounts alongside retail capital pools to optimize the overall funding configuration. The operational distribution of specialized institutional funding sources and their structural contract parameters are outlined in Table 2.

Table 2. Institutional Sourcing Architecture and Sharia Contract Distribution

Institutional Capital Source	Primary Sharia Contract Structure	Operational Intention and Mandate	Empirical Reference Standards
National Hajj Management Funds	Wakalah and Liability Driven Investment	Long Term Sovereign Asset Allocation	(Aziz et al., 2023; Mahfudz et al., 2023)
Religious Endowments and Awqaf	Special Purpose Mudharabah Schemes	Social Infrastructure Capital Support	(Ayub et al., 2025; Rohman et al., 2024)
Regional Educational Centers	Mudharabah Mutlaqah Accounts	Working Capital Liquidity Buffer	(Al-Mursal et al., 2025; Zahirah & Suhaedi, 2025)

Source: Data DSN MUI (2000), Otoritas Jasa Keuangan (2024), Bank Indonesia (2023)

The empirical reference standards in Table 2 indicate that large institutional deposits provide a durable liquidity foundation when managed through structured Sharia contracts. The application of Wakalah principles for sovereign religious funds provides long term capital stability that helps mitigate immediate liquidity shortfalls (Juniastanti et al., 2024). This structural alignment allows corporate treasurers to reduce their reliance on volatile short term retail accounts, which are highly sensitive to shifting macrofinancial variables. Consequently, securing deep institutional partnerships acts as a primary buffer against systemic liquidity stress.

Maintaining this institutional funding base requires constant alignment with the evolving macrofinancial directives issued by central banking authorities. Financial institutions must adapt their liability pricing models to reflect national strategic roadmaps that promote long term systemic stability and capital resilience (Otoritas Jasa Keuangan, 2024). When macrofinancial records show rising market volatility, banks must adjust their profit sharing disclosure ratios to prevent capital flight toward conventional alternatives. This proactive adjustments ensure that the mobilization of public liquidity remains synchronized with broader monetary policy targets.

Furthermore, empirical assessments confirm that integrating social finance instruments into the corporate liability framework enhances institutional funding resilience. Capital gathered from civic foundations and public endowments exhibits lower withdrawal velocity during periods of macroeconomic contraction compared to corporate commercial deposits (Kanapiyanova et al., 2023). This behavior stems from the non commercial mandates of social fund managers, who prioritize capital security and Sharia compliance over aggressive short term yields. Incorporating these diversified social finance pools into the liability matrix creates a stable funding baseline that improves the bank's survival horizon during unexpected market stress.

Ultimately, long term liability optimization requires a balanced approach that combines regulatory compliance, institutional relationship management, and advanced risk modeling. Corporate treasurers must continuously evaluate their asset liability mismatch metrics using analytical simulation models to ensure sufficient liquidity coverage (Choirunnisak, 2022). By combining stable institutional capital with flexible retail deposits, Sharia compliant banks can successfully navigate shifting macrofinancial cycles while keeping credit channels open. This balanced approach protects the

institution's financial position and supports sustainable economic development in accordance with Islamic ethical standards.

Strategic Integration of Halal Management Practices, Social Finance Instruments, and Risk Mitigation Frameworks in Liability Optimization

The operational execution of halal management practices within systemic financial institutions serves as a primary driver for enhancing organizational value and maintaining competitive advantages. Academic evidence indicates that integrating ethical principles into corporate operations directly improves customer retention and fortifies the stability of the core liability portfolio (Adinugraha et al., 2025). Institutional profitability expands when governance mechanisms successfully reduce internal friction while demonstrating corporate social responsibility to the public (Puspitasari et al., 2023). Maximizing these internal performance factors allows corporate treasurers to build resilient fund mobilization models that withstand unexpected macroeconomic shifts (Dwianto et al., 2024).

The preservation of public capital requires robust credit risk management systems that directly protect the institutional balance sheet from asset quality deterioration. Comprehensive risk control mechanisms minimize unexpected defaults and ensure that public investment accounts yield predictable returns for retail depositors (Iqbal et al., 2025). Banking practitioners must deploy advanced risk models to evaluate potential vulnerabilities across diverse commercial funding sectors (Sudarmanto et al., 2021). Sound risk mitigation practices enhance institutional resilience and prevent sudden capital flight during periods of localized market contraction (Roziq & Ilma Ahmad, 2024).

Regulatory alignment remains a foundational prerequisite for designing sustainable liquidity frameworks that comply with international prudential standards and Islamic legal principles. Corporate governance structures must explicitly map liquidity risks to ensure that short term deposit obligations are consistently backed by high quality liquid assets (Nikmah et al., 2025). National statutory laws provide the definitive legal arguments required to structure secure public financing options without compromising consumer protection parameters (Tarantang & Astiti, 2023). Statutory compliance protocols safeguard retail deposit principals and maintain systemic trust across the broader financial network (Republik Indonesia, 2008).

The strategic application of asset and liability management principles allows corporate treasurers to balance maturity structures and control funding costs effectively. Financial managers utilize advanced modeling techniques to monitor funding gaps and align public deposit maturities with asset financing disbursements (Choirunnisak, 2022). Maintaining an equilibrium between short term custody arrangements and long term investment partnerships is essential for stabilizing net margins (Nurhayati, 2023). Effective structural matching techniques improve corporate profitability indicators and insulate banking operations from interest rate shocks in conventional markets (Abidah et al., 2024).

Empirical evaluations of profit and loss sharing instruments demonstrate that investment accounts possess unique behavioral characteristics that alter classical monetary transmission channels. Distributed returns fluctuate based on actual portfolio performance rather than predetermined interest benchmarks, which changes how depositors respond to market movements (Suman et al., 2026). Analytical models confirm that understanding these unique withdrawal patterns allows corporate treasurers to prevent severe maturity mismatches (Nuzulia & Kasanah, 2024). Integrating risk theories with empirical liquidity assessments establishes a resilient conceptual foundation for sustainable liability configuration (Haikal et al., 2024).

Table 3. Strategic Framework for Risk Mitigation and Capital Optimization in Liability Governance

Strategic Pillar	Core Jurisprudential Mechanism	Institutional Outcome and Objective
Governance Integration	Halal Management Practices	Higher Corporate Value Metrics
Portfolio Protection	Credit Risk Mitigation	Enhanced Balance Sheet Resilience
Legal Synchronization	Statutory Compliance	Minimization of Fiduciary Exposure

Structural Balancing	Asset Liability Matching	Optimized Funding Cost Efficiencies
Capital Deployment	Profit and Loss Sharing	Balanced Money Creation Velocity

The conceptual configurations outlined in Table 3 indicate that institutional stability depends on the harmonious integration of governance standards and structural risk parameters. Effective risk management frameworks decrease corporate vulnerability to sudden funding runbacks by stabilizing customer confidence (Anggraini & Sadewa, 2024). The historical evolution of liquidity instruments highlights the strategic importance of developing flexible short term instruments to manage regional money market fluctuations (Can & Bocuoglu, 2022). Restricting excessive money creation through equity based contracts preserves macroeconomic stability and anchors inflation expectations (Ben Jedidia & Hamza, 2024).

Optimizing financial schemes for micro enterprise development allows banking networks to fulfill their broader socioeconomic mandates while generating steady retail revenues. Customized working capital financing structures must be analyzed through an Islamic economic law perspective to ensure total jurisprudential compliance (Noviarita et al., 2025). Strategic capital deployment into micro commercial sectors minimizes default risks and guarantees that public deposits remain highly productive (Nasrulloh et al., 2024). Balancing these micro level assets with stable funding allocations improves the long term institutional survival horizon (Rohman et al., 2024).

The structured optimization of benevolent social finance contracts enhances public welfare and expands the client ecosystem of modern financial institutions. Managing social funds through structured contracts allows banking networks to empower marginalized populations while securing stable retail liquidity pools (Nugraheni & Muhammad, 2024). Formal internal governance channels reduce structural agency costs and maximize the social utility of traditional endowment assets (Ayub et al., 2025). Incorporating non commercial social capital into the liability mix creates a resilient funding baseline during periods of macroeconomic contraction (Kanapiyanova et al., 2023).

The execution of sovereign capital programs requires specialized investment strategies that guarantee capital preservation over long planning horizons. Sovereign religious allocations benefit from advanced analytical frameworks that optimize portfolio distributions across national infrastructure projects (Juniastanti et al., 2024). Clear agency contracts ensure that sovereign asset management complies with national religious objectives and legal parameters (Mahfudz et al., 2023). Managing these massive public allocations based on ethical principles secures the stability of the entire macroeconomic financial system (Aziz et al., 2023).

Digital transformation initiatives allow contemporary financial entities to expand their deposit collection capabilities while minimizing processing costs. Automated tools streamline corporate treasury functions and allow banks to gather low cost retail deposits through mobile interfaces (Yusuf, 2024). Educational organizations and regional religious boards utilize these digital systems to optimize their resource pipelines and improve accounting transparency (Al-Mursal et al., 2025). The systematic evaluation of secondary financial records confirms that combining technological platforms with robust risk management frameworks secures the future of public fund optimization (Zahirah & Suhaedi, 2025; Sugiyono, 2023).

CONCLUSION

The comprehensive optimization of public fund management within Islamic financial institutions requires a systematic alignment of jurisprudential contract architectures, macrofinancial synchronization, and robust risk governance. The fundamental dichotomy between custody based arrangements and risk sharing partnerships dictates institutional liquidity velocities and directly shapes the overall cost of funds. By systematically calibrating liability instruments to withstand macrofinancial shifts and integrating stable, noncommercial capital pools from state, educational, and civic networks, Islamic banks establish a resilient funding baseline. Ultimately, liability management within modern Sharia-compliant banking transcends simple deposit accumulation, evolving into a strategic synthesis of regulatory compliance, digital transformation, and advanced asset liability matching that preserves institutional stability while maximizing stakeholder value within an ethical framework.

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