

# WHITEPAPER

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## Abstract

IDRP is a blockchain-based stablecoin pegged at a 1:1 ratio to the Indonesian Rupiah (IDR), designed to ensure value stability and transparency within the digital asset ecosystem. Developed by PT Adhyoka Berkah Maju (PT ABM) with the support of PT Tennet Depository Indonesia (PT TDI) as a digital asset custodian and PT Bank Negara Indonesia as an escrow agent, IDRP provides an innovative solution for the tokenization of real-world assets (RWA).

As an integral part of a regulatory-compliant digital financial ecosystem, IDRP does not serve as a means of payment but rather as an instrument for digital asset trading, financing, and blockchain-based investment. In adherence to POJK No. 27 of 2024 and SEOJK No. 20 of 2024, IDRP ensures full compliance with the regulations set by the Financial Services Authority (OJK), including transparency in asset reserves and the implementation of a secure escrow mechanism.

IDRP is committed to expanding access to digital financial services, enhancing transaction efficiency, and supporting the growth of Indonesia's digital economy. Through the integration of blockchain technology, IDRP offers a high level of security, rapid transaction processing, and scalability, positioning it as a leading choice within Indonesia's asset tokenization and digital financial ecosystem.

# Introduction

## Background and Future Prospects

The development of blockchain technology has driven a major transformation in the global financial sector, including in Indonesia. One of the key innovations emerging from this technology is asset tokenization, which enables high-value assets to be accessed by a wider audience and increases their liquidity. The Financial Services Authority (OJK) recognizes that tokenization will be a key driver in the digital asset industry and has been actively exploring tokenization-based business models within its regulatory sandbox. In line with global trends, The Executive Head of Financial Sector Technology Innovation Supervision, Digital Financial Assets, and Crypto Assets at the Financial Services Authority (OJK) stated that the tokenization of Real World Assets (RWA) has experienced significant growth, increasing by more than 60% throughout 2024 and reaching a total value of US\$13.5 billion . In this context, stablecoins backed by local currency serve as essential instruments in bridging traditional assets with blockchain technology, creating more inclusive investment opportunities and enhancing the efficiency of digital asset trading.

The OJK has emphasized that stablecoins categorized as RWA must adhere to strict transparency mechanisms, should not be used as a payment instrument, and must remain under the supervision of licensed financial institutions. Consequently, IDRPs have been introduced as a secure and reliable stablecoin, ensuring compliance with applicable regulations and supported by a robust escrow system. As a result, IDRPs can be utilized as an instrument for digital asset trading, blockchain-based financing, and more efficient investments for various stakeholders.

As part of financial sector innovation, the IDRPs stablecoin integrates the traditional banking system with blockchain technology while maintaining compliance with prevailing regulations. Its trial within the regulatory sandbox will ensure that this business model not only aligns with OJK regulations but is also secure and capable of delivering tangible benefits to users. With support from licensed financial institutions, as well as transparency and a reserve asset mechanism that is subject to audits, IDRPs are poised to become a key solution in Indonesia's asset tokenization and digital finance ecosystem. This innovation not only expands investment opportunities but also accelerates asset digitalization, enhances financial inclusion, and contributes to national economic growth.

## **Vision and Mission**

IDRP emerges as a Rupiah-backed stablecoin designed to strengthen the integration between the traditional financial system and blockchain technology. As part of a regulated financial ecosystem, IDRP serves as an instrument for digital asset trading, blockchain-based financing, and more efficient investments.

With the support of licensed financial institutions and the implementation of a transparent, regularly audited escrow mechanism, IDRP aims to promote asset digitization, enhance financial inclusion, and contribute to national economic growth. The following vision and mission serve as the primary guidelines for the development and implementation of this stablecoin.

### **Vision**

To become the leading solution in Real-World Asset (RWA) tokenization that is innovative, transparent, and seamlessly integrated into the digital financial system, supporting economic growth and financial inclusion both domestically and globally.

### **Mission**

#### **1. Offering Stability and Security**

Providing a Rupiah-backed stablecoin supported by real asset reserves with a regularly audited escrow mechanism.

#### **2. Enhancing Transparency**

Utilizing blockchain technology to ensure traceability and public verification of asset reserves and transactions.

#### **3. Ensuring Regulatory Compliance and Collaboration with Stakeholders**

Complying with Financial Services Authority (OJK) regulations and collaborating with banks, regulators, and other financial institutions to create a secure, reliable, and sustainable financial ecosystem.

# IDRP Stablecoin Model

## Structure and Technology

IDRP is built on a robust technological framework with smart contract functionality, interoperability, and regulatory oversight to achieve stability, security, and scalability.

- **Blockchain Infrastructure using Ethereum (ERC-20) and Polygon-Based Issuance**

IDRP will be deployed on multiple blockchain networks, including Ethereum (ERC-20), Binance Smart Chain (BSC), Polygon, and Tron. This expansion ensures wider accessibility, lower transaction costs, and better interoperability. Ethereum ensures high security and adoption in DeFi, BSC offers lower gas fees, Polygon enhances scalability, and Tron provides faster transactions at minimal costs. By leveraging these networks, IDRP ensures seamless integration with major crypto exchanges, DeFi platforms, and cross-chain applications.

IDRP is deployed on both Ethereum (ERC-20) and Polygon, enabling secure and efficient transactions across these platforms. By leveraging Ethereum (ERC-20), IDRP ensures broad compatibility and seamless integration with major DeFi platforms, enhancing its accessibility and utility. At the same time, Polygon's infrastructure offers lower transaction fees and faster processing speeds, making IDRP more cost-effective and scalable for users. This dual deployment strategy combines the strengths of both networks, providing flexibility and optimizing the overall user experience.

- **Smart Contract Security & Transparency**

IDRP operates through audited smart contracts, which ensure tamper-proof transactions and automated compliance, providing users with a secure and reliable ecosystem. To further mitigate risks such as contract exploits and fraud, regular third-party security audits are conducted, reinforcing the platform's integrity. All activities, including minting, burning, and transactions, are recorded on-chain, ensuring full transparency and traceability. This robust framework not only enhances trust but also aligns with the principles of decentralization and accountability in the blockchain space.

- **Interoperability with Digital Asset Ecosystems**

IDRP is designed to seamlessly integrate and function within the Decentralized Finance (DeFi) ecosystem, unlocking a wide range of use cases. It can be utilized in liquidity pools and yield farming on DeFi platforms, allowing users to earn rewards while contributing to market liquidity. Additionally, IDRP serves as collateral for decentralized lending and borrowing protocols, enabling users to access loans or generate yield on their holdings. It also facilitates on-chain payments and settlements, streamlining transactions with efficiency and transparency. Furthermore, IDRP's compatibility with major crypto exchanges and digital asset trading platforms enhances its

liquidity and usability, making it a versatile and accessible asset within the broader blockchain ecosystem.

- **Regulatory Oversight & Compliance Testing**

IDRP will undergo real-world testing within the Otoritas Jasa Keuangan (OJK) regulatory sandbox, a critical step to ensure full compliance with financial regulations before achieving broader adoption. The sandbox provides a controlled environment where IDRP's model can be thoroughly evaluated, allowing for the identification and resolution of potential regulatory or operational challenges. This process not only ensures that IDRP aligns with legal and financial standards but also builds trust and confidence among users and stakeholders. By participating in the OJK regulatory sandbox, IDRP demonstrates its commitment to transparency, security, and regulatory adherence, paving the way for its successful integration into the financial ecosystem.

## **Minting and Burning Mechanism**

IDRP's minting and burning process will be standardized across all supported blockchain networks (Ethereum, BNB, Polygon, and Tron). Users will deposit IDR into an escrow account managed by PT BNI. Upon verification, IDRP will be issued on the blockchain of their choice. For burning, IDRP is sent to a smart contract, and the equivalent IDR is returned through the escrow mechanism. This ensures full transparency and maintains a 1:1 peg with IDR, regardless of the network used.

- **Minting Process**

The minting process of IDRP occurs when users deposit funds in Indonesian Rupiah (IDR) into an escrow account managed by PT Bank Negara Indonesia (PT BNI). Once the funds are confirmed and verified, IDRP stablecoins are issued in an amount equivalent to the deposited IDR. This process ensures that every circulating IDRP is fully backed by Rupiah reserves, guaranteeing the stability and trustworthiness of the stablecoin.

- **Burning Process**

Burning of IDRP takes place when users wish to convert their IDRP stablecoins back into Rupiah. Users submit a redemption request, and the returned IDRP stablecoins are sent to a smart contract to be burned. Once the burning process is complete, the corresponding IDR funds are returned to the user's account through an escrow mechanism overseen by PT TDI. This ensures that the circulating supply of IDRP always reflects the reserve funds held in escrow, maintaining transparency and system stability.

- **Escrow & Custodian**

In this mechanism, PT BNI acts as the escrow manager, receiving and holding funds in Rupiah before IDRP stablecoins are issued. PT BNI ensures that every circulating IDRP has an equivalent

IDR guarantee. Meanwhile, PT TDI functions as the custodian of the stablecoin, responsible for overseeing transactions, securing digital assets, and ensuring that the minting and burning processes are conducted transparently and in compliance with applicable regulations. This mechanism is designed to create a transparent, secure, and reliable stablecoin ecosystem, supported by credible financial institutions.

## **Proof of Reserves & Transparency**

- **Guarantee with 100% Rupiah Reserves**

Every IDRPN circulating in the ecosystem is fully backed by Indonesian Rupiah (IDR) reserves, which are placed and allocated 100% in an escrow account managed by PT Bank Negara Indonesia (PT BNI). This ensures that the total amount of IDRPN on the blockchain always has an equivalent value in IDR within the escrow account. By maintaining full reserves in escrow, this mechanism upholds the stability and trustworthiness of the IDRPN stablecoin for both individual and institutional users.

- **Reserve Fund Report Publication**

Reserve fund reports will be published regularly to uphold transparency and enhance public trust. These reports will include details on the total circulating IDRPN and the available Rupiah balance in escrow. Routine publication allows users to easily verify that IDRPN stablecoins are genuinely backed by equivalent assets, preventing risks such as over-issuance or asset manipulation.

- **Regular Audits by Independent Parties**

In addition to periodic reports, the reserve funds will be audited by independent audit firms to ensure their validity and compliance with financial standards. These audits will include verification of the escrow account balance, adherence to operational procedures, and assessments of system transparency. Regular audits provide users and regulators with confidence that the IDRPN stablecoin operates credibly and in accordance with applicable regulations.



# Security and Regulatory Architecture

## Compliance with Regulations

The IDRП stablecoin is designed to operate within a digital financial ecosystem that complies with Indonesia's applicable regulations. To ensure adherence to legal and regulatory frameworks set by financial authorities, IDRП adopts various standards and oversight mechanisms, including legality, transparency, and transaction security.

- **Real World Asset (RWA) in Compliance with OJK Regulations**

IDRП is classified as a Real World Asset (RWA), meaning that each issued stablecoin unit is backed by a physical asset—in this case, Rupiah currency stored in an escrow account at BNI. This classification ensures that IDRП remains within the digital asset category and is not recognized as a legal payment instrument in Indonesia.

- **Unofficial Payment Instrument**

In accordance with prevailing regulations, the IDRП stablecoin cannot be used as a payment instrument in economic transactions within Indonesia. This aligns with Bank Indonesia's policy, which states that Rupiah is the only legal tender in the country. Therefore, IDRП is primarily positioned as a digital asset that can be utilized in various financial ecosystems, including cryptocurrency trading, blockchain-based transaction settlements, and investment instruments.

- **Compliance with OJK and Bank Indonesia Regulations**

In its operations, IDRП is committed to complying with regulations set by the Financial Services Authority (OJK) and Bank Indonesia (BI). This includes rules governing digital asset trading, consumer protection, and the implementation of stringent security standards to ensure safe and transparent transactions.

- **Implementation of AML & KYC Procedures**

To prevent the misuse of stablecoins for illegal activities such as money laundering (Anti-Money Laundering / AML) and terrorism financing, IDRП enforces Know Your Customer (KYC) procedures. Every user who wishes to transact with IDRП must undergo an identity verification process, including official document checks and transaction activity monitoring. This measure ensures that IDRП stablecoins are only used by parties that meet regulatory requirements and are not involved in illegal activities.

- **Testing and Evaluation in OJK's Regulatory Sandbox**

PT ABM and PT TDI have signed a Cooperation Agreement to test IDRPs within OJK's regulatory sandbox, a controlled environment for financial innovation trials before broader implementation. This testing aims to identify risks, assess regulatory impact, and ensure IDRPs' compliance and security. Following the trial, the OJK Working Group will evaluate the technical, operational, and regulatory aspects of IDRPs before officially recognizing it as a legitimate digital asset in Indonesia.

## **Security of Technology**

IDRP implements multiple layers of technological security within its ecosystem to ensure secure and reliable operation. These measures include employing smart contract mechanisms, managing digital asset storage, and monitoring regulatory compliance for custodians.

- **Multi-Signature Smart Contract**

IDRP utilizes multi-signature (multi-sig) smart contracts to enhance security in the minting and burning processes of the stablecoin. This system requires authorization and signatures from multiple approved parties before a transaction can be executed. This approach reduces the risk of unauthorized access and ensures that the issuance and burning of IDRPs are conducted transparently and in a controlled manner.

- **Cold & Hot Wallet Storage**

IDRP adopts a dual-storage strategy to protect digital assets from potential cyber threats. By combining cold and hot wallet storage, it optimizes the balance between security and accessibility.

- a. **Cold Wallet** – Offline storage used to safeguard the majority of IDRPs' digital asset reserves. Since it is not connected to the internet, cold wallets offer strong protection against hacking and cyberattacks.
- b. **Hot Wallet** – Online storage used for day-to-day transactions, allowing quick access to IDRPs assets. Hot wallets are secured with multiple security protocols to mitigate risks of theft or system exploitation.

- **Transaction Monitoring and Logging**

The IDRPs system features real-time transaction monitoring to detect and prevent suspicious activities, such as money laundering or hacking attempts. Automated logging technology records all blockchain transactions transparently and permanently. This system enables the rapid identification and response to any anomalies or potential threats.

- **Compliance with Custodian Regulations**

PT TDI, as the entity responsible for storing and managing IDRP stablecoins, complies with regulatory standards set for crypto asset custodians. It implements security policies, user protection measures, and operational risk management to ensure compliance. By adhering to applicable regulations, PT TDI manages IDRP according to industry standards and strict security principles.

## Use Cases in the Digital Financial Ecosystem

IDRP is designed to support various applications within the digital financial ecosystem. While maintaining compliance with applicable regulations, IDRP offers multiple functions in crypto asset trading, real-world asset tokenization, and integration with decentralized finance (DeFi) ecosystems.

### Trading & Exchange

As a stablecoin-based digital asset, IDRP plays a crucial role in the crypto trading ecosystem. Its key functions include:

- **Trading Pairs:** IDRP can be used as a trading pair against other crypto assets on various exchanges, facilitating liquidity and stability in transactions.
- **Investment Instrument:** Although not a legal tender for economic transactions, IDRP can be utilized as a blockchain-based investment asset with more stable value compared to volatile cryptocurrencies.
- **Hedging Mechanism:** Traders can use IDRP as a hedge against crypto price fluctuations, given its 100% backing by Rupiah reserves.

### Real World Asset (RWA) Tokenization

IDRP plays a role in the tokenization of real-world assets (RWA) by representing ownership of physical assets in digital form. The benefits of asset tokenization using IDRP include:

- **Full Transparency:** Blockchain technology enables public verification of asset ownership, reducing the risk of data manipulation.
- **Wider Accessibility:** Tokenization allows retail investors easier access to asset ownership without the need to physically possess the asset.
- **Security through Escrow & Custodian:** The tokenization process is supported by PT BNI as an escrow provider and PT TDI as a custodian, ensuring regulatory compliance and asset owner protection.

## Integration with DeFi & Lending

IDRP will be integrated into multiple DeFi platforms, including Uniswap, PancakeSwap, JustSwap, and lending protocols such as Aave, Venus, and JustLend. Users will be able to stake IDRP, participate in liquidity pools, and use it as collateral for decentralized lending. Cross-chain compatibility will allow seamless transactions between Ethereum, BNB, Polygon, and Tron, ensuring IDRP is widely used across the DeFi ecosystem.

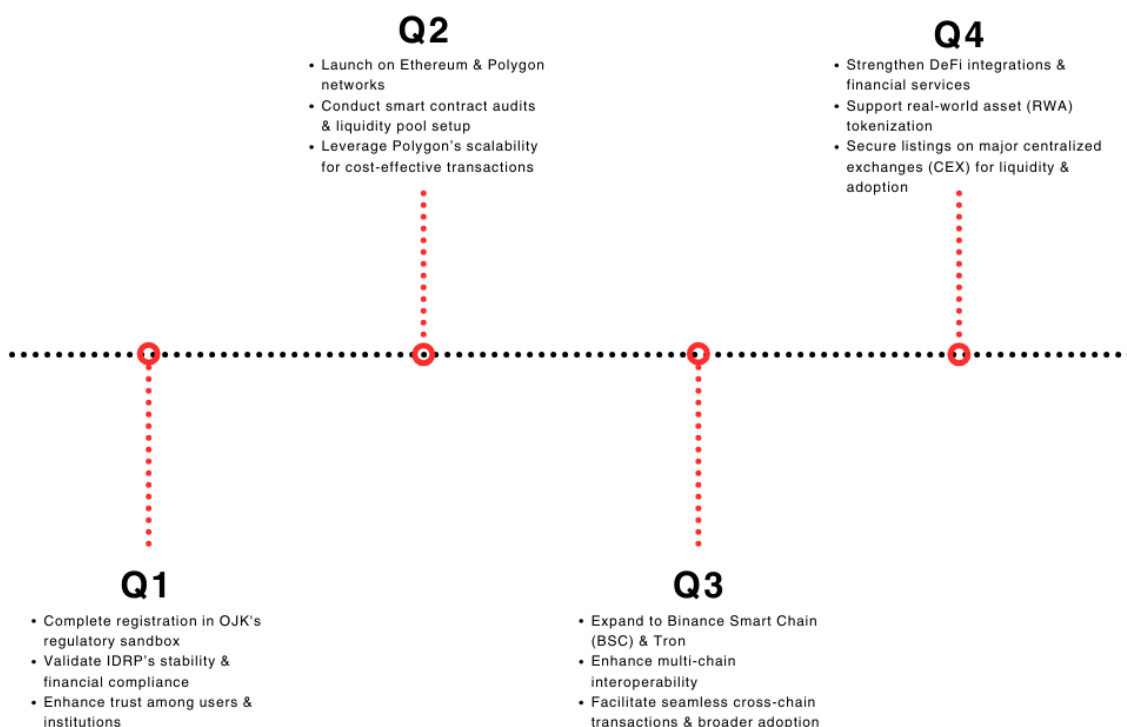
IDRP can be utilized within the Decentralized Finance (DeFi) ecosystem, supporting various blockchain-based financial services such as:

- **Lending & Borrowing:** IDRP can be used as collateral on blockchain lending platforms, allowing users to borrow other assets without selling their IDRP holdings.
- **Yield Farming & Staking:** IDRP holders can earn passive income by participating in yield farming or staking, where they deposit IDRP in DeFi protocols to receive returns.
- **Liquidity in DeFi:** Due to its stable nature, IDRP can enhance liquidity across DeFi platforms, providing a safer asset alternative compared to highly volatile cryptocurrencies.

# Roadmap of Development

## Roadmap of Development

In Q1 2025, IDRП will complete its registration in OJK's regulatory sandbox, marking a significant milestone in regulatory compliance within Indonesia's digital asset ecosystem. This process will validate IDRП's stability and adherence to financial regulations, reinforcing trust among users and institutions. IDRП will launch on the Ethereum and Polygon networks in Q2 2025, prioritizing smart contract audits and liquidity pool setup to ensure a secure and efficient ecosystem. These measures will enhance transaction reliability while leveraging Polygon's cost-effective scalability solutions. In Q3 2025, IDRП will expand its multi-chain interoperability by integrating with Binance Smart Chain (BSC) and Tron. This expansion will facilitate broader adoption, enabling seamless cross-chain transactions and improving accessibility for users across diverse blockchain networks. IDRП will focus on strengthening its DeFi integrations and supporting real-world asset (RWA) tokenization in Q4 2025, . Strategic partnerships with financial institutions and DeFi platforms will enable innovative financial services, while listings on major centralized exchanges (CEX) will drive liquidity and mainstream adoption.



**Figure 1.** Roadmap of Development IDRП 2025

## Future Strategy

IDRP aims to enhance liquidity by collaborating with top-tier exchanges for trading pair listings (ETH/IDRP, USDT/IDRP, BNB/IDRP). The project will introduce IDRP staking and farming incentives to encourage adoption. A user-friendly mobile wallet and Web3 integration will be launched to facilitate IDRP transactions across multiple blockchain networks. The implementation of cross-chain bridge solutions will further enhance the usability of IDRP across different ecosystems.

IDRP will evolve as a secure, transparent, and regulation-compliant Rupiah-backed stablecoin by executing several strategic initiatives. These initiatives include ensuring regulatory compliance, establishing strategic partnerships with banks and financial institutions, developing a user-friendly IDRP application and wallet, implementing a smart contract-based escrow and custodian system, and adopting a hybrid reserves allocation strategy.

- **Implement a Smart Contract-Based Escrow & Custodian System**

The team will implement a smart contract-based escrow and custodian system to ensure transparency and security in transactions, with PT TDI as the custodian and BNI as the escrow provider. Smart contracts will autonomously manage the minting (issuance) and burning (redemption) of IDRP based on predefined rules, eliminating manual intervention. This approach will enhance transparency, enable verifiable blockchain transactions, and reduce risks of manipulation or misuse.

- **Developing the IDRP Application & Wallet**

The team will develop a user-friendly IDRP wallet and application to drive widespread adoption. This wallet will let users store, send, and receive IDRP seamlessly while providing additional features like staking and DeFi integration. To safeguard user assets from cyber threats, the app will incorporate advanced security measures, including two-factor authentication (2FA) and data encryption.

- **Establishing Partnerships with Banks & Financial Institutions**

The team will establish strategic partnerships with banks and financial institutions to strengthen the IDRP ecosystem. These collaborations will boost liquidity, expand market reach, and integrate IDRP into the traditional financial system. With support from the banking and financial sectors, IDRP adoption will accelerate, enabling use cases such as investment, remittances, and asset tokenization.

- **Hybrid Reserves Allocation**

Hybrid Reserves Allocation strategy will be implemented to optimally balance liquidity, security, and asset efficiency. This approach will ensure that reserves are strategically distributed across

various financial instruments, maintaining full backing for IDRP while optimizing returns and risk management. This strategy also will ensure the long-term stability and sustainability of IDRP. By adopting a diversified allocation model, immediate liquidity for redemptions can be guaranteed, sustainable returns can be generated without compromising accessibility, and the overall credibility of the stablecoin can be strengthened. The table below outlines the planned reserve composition along with its respective functions:

Reserve Instruments	Percentage	Function
Escrow Bank (Current Account in BNI)	50%	High liquidity, immediately available for IDRP redemption
Term Deposits	30%	Provides returns without sacrificing short-term liquidity
Government Bonds (SUN) <1 year	20%	Secure investment, enhances stablecoin credibility

The transactions related to the management of IDRP reserves will be handled by two key entities: PT Bank Negara Indonesia (BNI) as the provider of escrow services and financial instruments, and PT ABM, which will approve and oversee asset optimization. BNI will be responsible for storing funds in the escrow account and allocating assets into term deposits and Government Bonds (SUN) in accordance with the established policies. Meanwhile, PT ABM will ensure that all fund allocations are made with careful consideration of liquidity, security, and returns, ensuring that IDRP reserves are always managed transparently, efficiently, and in accordance with sound governance principles. Through this mechanism, IDRP users can be confident that each circulating stablecoin is fully backed by equivalent assets and professionally managed to maintain the stability and credibility of the ecosystem. Furthermore, the Hybrid Reserves Allocation will adhere to established security standards, ensuring that all assets are managed with the highest level of safety and compliance. The hybrid reserve strategy is a long-term approach designed to enhance liquidity efficiency and sustainable revenue while maintaining full transparency through periodic reports.



# Business Impact

## Economic Impact of IDRП

### 1. Banking Sector

IDRP has the potential to significantly increase bank deposits and liquidity through the Assets Under Custody (AUC) mechanism. By encouraging the holding of digital Rupiah-based assets within financial institutions, banks will have greater reserves, which can be leveraged to expand credit issuance. This leads to more lending opportunities for individuals and businesses, supporting entrepreneurship, infrastructure development, and overall economic expansion. Additionally, the presence of IDRП may help mitigate risks related to currency fluctuations and ensure a more stable financial environment, thus reinforcing consumer and investor confidence in the banking sector.

### 2. Investment & Capital Markets

The introduction of IDRП enhances investment flows through its multiplier effect, as stable digital assets backed by the national currency provide investors with a reliable store of value. IDRП facilitates asset tokenization, allowing previously illiquid assets such as real estate, art, and intellectual property to be traded more seamlessly. By digitizing assets, IDRП broadens participation in financial markets, enabling retail investors to access asset classes that were traditionally limited to institutional investors. Moreover, increased transparency and security through blockchain technology will boost investor confidence, leading to a stronger, more dynamic capital market.

### 3. Economic Growth

IDRP plays a crucial role in boosting GDP by accelerating investment and digital transaction adoption. The investment multiplier effect generated by IDRП stimulates job creation, particularly in emerging sectors such as blockchain, fintech, and digital commerce. By promoting a cashless economy and reducing transaction inefficiencies, IDRП fosters economic productivity and efficiency. Furthermore, IDRП can drive financial inclusion by providing the unbanked population with access to digital financial services, allowing them to participate in economic activities and contribute to national economic growth.

### 4. Digital Financial Innovation

The widespread adoption of IDRП facilitates the integration of advanced digital payment technologies, including Decentralized Finance (DeFi) platforms. DeFi enables individuals and businesses to engage in financial activities such as lending, borrowing, and yield farming without the need for traditional intermediaries. With IDRП-backed transactions on blockchain networks, financial services become more accessible, cost-effective, and secure. The seamless interoperability of IDRП with various blockchain protocols can further drive innovation in financial products, leading to enhanced payment systems, cross-border transactions, and financial automation.

## **5. Local Crypto Ecosystem**

IDRP strengthens Indonesia's crypto ecosystem by providing a stable and regulated digital asset that reduces dependency on foreign stablecoins like USDT and USDC. This enhances the resilience of local crypto exchanges and financial platforms by offering a native alternative that aligns with domestic monetary policies. Additionally, IDRP fosters greater adoption of blockchain-based financial services, enabling businesses and individuals to participate in decentralized applications (dApps) with confidence. By ensuring a secure and regulated environment for crypto transactions, IDRP can attract more institutional investors and drive the mainstream acceptance of digital assets in Indonesia.

## **6. Foreign Direct Investment (FDI)**

IDRP facilitates foreign investment inflows through an IDRP-based FDI swap mechanism, making it easier for foreign investors to enter the Indonesian market. By providing a seamless and transparent means of converting foreign currencies into IDRP-backed digital assets, investors can efficiently allocate capital to various sectors, including real estate, technology, and manufacturing. This increased ease of investment not only enhances Indonesia's global competitiveness but also supports long-term economic sustainability by attracting strategic foreign capital into key industries.

## **7. Regulation & Compliance**

The emergence of IDRP necessitates the development of a well-defined regulatory framework to govern digital assets and stablecoins. Clear and enforceable regulations will enhance financial security, prevent illicit activities, and promote responsible digital asset management. By setting higher compliance standards, IDRP can align with international best practices in financial regulation, ensuring that Indonesia remains a credible and attractive destination for digital asset innovation. Additionally, enhanced regulatory clarity will provide businesses and consumers with greater confidence in adopting IDRP for everyday transactions.

## **8. SMEs & Digital Economy**

Small and medium-sized enterprises (SMEs) stand to benefit significantly from IDRP by gaining easier access to digital financial services. Through IDRP-powered payment solutions, SMEs can conduct transactions more efficiently, reduce costs associated with currency conversions, and expand their customer base to include digital-savvy consumers. Moreover, IDRP can facilitate alternative financing options such as crowdfunding and decentralized lending platforms, helping SMEs secure funding without relying on traditional banks. By accelerating the digitalization of commerce, IDRP supports the growth and competitiveness of SMEs in the evolving global economy.

## Conclusion

IDRP, an Indonesian Rupiah-based stablecoin designed as a Real World Asset (RWA), aims to bring stability and transparency to the digital financial ecosystem. Through its business model, which includes real-world asset tokenization, a digital escrow system managed by PT BNI, and the use of blockchain technology on the Ethereum and Polygon networks, IDRP ensures secure transactions free from third-party manipulation. The implementation of smart contracts also guarantees the security of the minting and burning processes of the stablecoin.

In the future, IDRP plans to enhance liquidity by collaborating with top-tier exchanges and introducing staking and farming incentives to drive adoption. Additionally, the development of a user-friendly IDRP app and wallet, along with Web3 integration, will simplify cross-chain transactions. The implementation of cross-chain bridge solutions will further enhance the usability of IDRP across various ecosystems.

IDRP's strategy includes strengthening collaborations with banks and financial institutions, implementing a smart contract-based escrow and custodian system, and adopting a hybrid reserve allocation strategy to maintain liquidity and stability. With this approach, IDRP ensures that every circulating stablecoin is fully backed by equivalent assets, managed with transparency, and optimized for efficiency.

Economically, IDRP has the potential to make a significant impact on the banking sector, investment markets, and the digital economy. IDRP could accelerate economic growth, enhance market liquidity, and provide wider access to digital financial services for the unbanked population. Moreover, it supports Indonesia's local crypto ecosystem by offering a stable alternative to foreign stablecoins and attracting foreign investments. In conclusion, IDRP has the potential to become an innovative digital financial instrument that plays a key role in the development of blockchain-based financial systems in Indonesia, while strengthening the country's digital economy competitiveness.

## Disclaimer

This document is provided for informational purposes only and is not intended as financial, investment, legal, or tax advice. The information contained in this whitepaper is subject to change without prior notice and should not be considered as a promise, guarantee, or representation regarding the future development, adoption, or performance of IDRP. By reading this whitepaper, users understand and agree that they are solely responsible for any decisions made based on the information provided in this document.

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