

PLPA Whitepaper



Exchange is Licensed and Complies with Indonesian Regulations

<https://www.bittime.com/>



Table of Contents

1.Introduction.....	2
2.Investment Opportunities Insights.....	2
3. Current Condition of the Exchange Industry.....	5
5.Advantages of Bittime Technology.....	10
6.PLPA - Bittime Platform Coin.....	13
7.PLPA Token Distribution Plan.....	14
8.Team Background.....	16
9. Risks and Disclaimer Statement.....	18

1. Introduction

In January 2024, the United States SEC approved the launch and issuance of a Bitcoin ETF, sparking unprecedented worldwide trading attention and enthusiasm for the crypto asset industry. Indonesia, with the fourth largest population in the world, is experiencing rapid growth in the number of crypto asset holders. Bittime, an exchange that is licensed and complies with regulations in Indonesia, provides easy and direct fiat purchasing facilities for its customers, has launched crypto asset spot trading, Staking financial product services, and other services, and implemented the MPC wallet storage method to provide the safest protection for user funds. In almost a year since its launch, Bittime has become one of the main platforms of choice for trading crypto assets in Indonesia.

To enhance Bittime's service capabilities, Bittime will launch its platform token, the PLPA token, which has various capabilities that enable users to better use Bittime's services, and provide more people with the opportunity to participate in Bittime's growth. Bittime is committed to being firmly dedicated to realizing the vision of providing a reliable and stable digital asset trading environment for traders, and with the launch of the PLPA token, this vision will become a reality faster.

PLPA is a company known for its blockchain technology innovations and crypto assets. PLPA is highly focused on utilizing cutting-edge technology and has become a leader in the industry. The newly launched PLPA token further strengthens their commitment to providing a comprehensive and profitable ecosystem for its users. The PLPA token offers users a series of practical features, including staking, increased yields, transaction fee discounts, free withdrawals, token airdrops, and governance capabilities. These practical features are designed to increase user engagement, motivate participation, and create a seamless experience within the PLPA ecosystem.

2. Investment Opportunity Insights

Recording History! Bitcoin Spot ETF Approved

On January 10, 2024, the long-awaited good news for crypto asset investors finally arrived, when the United States Securities and Exchange Commission (SEC) announced approval for the listing of 11 spot Bitcoin ETFs.

This is a huge recognition by the traditional financial world that Bitcoin, even the Web3.0 world, will further accelerate integration between the two. This is a historic breakthrough, after the gold ETF was approved in 2004, which started an 8-year gold bull market, the impact of the BTC ETF approval will far exceed the gold ETF approval. In just eight weeks after the announcement, spot Bitcoin ETFs have brought in more than 10 billion US dollars in purchasing volume, and the price of BTC has also broken 73,000 US dollars, with the general prediction from institutions that Bitcoin prices will break through 200,000 US dollars.

Historic Moment!

Bitcoin Spot ETF approved on January 10, 2024



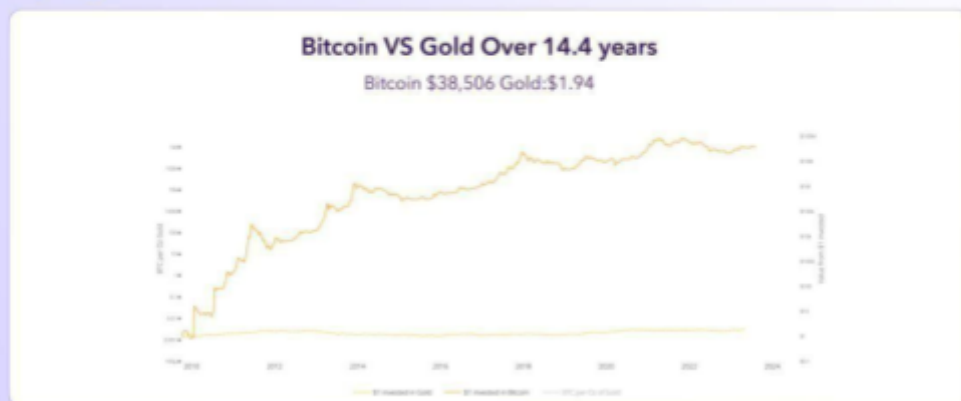
- **8-year** bull market after the Gold Spot ETF in 2004;
- The market cap of Bitcoin is **1.28** trillion;
- The market cap of Gold is **14.68** trillion;
- Institutions generally predict that the price of Bitcoin will surpass **\$200,000**

Looking back at the rate of return on Bitcoin investment over the past 14.4 years, Bitcoin has recorded a huge increase, up to thousands of times. For comparison, if in 2009 you invested 1 US dollar in Bitcoin and 1 US dollar in gold, in August 2023, 1 US dollar invested in gold will increase to 1.93 US dollars, while 1 US dollar invested into Bitcoin in 2009 will have a value of 38,000 US dollars in August 2023, showing a very significant increase.

Bitcoin VS Gold

In 2009, investing \$1 in Bitcoin and \$1 in gold

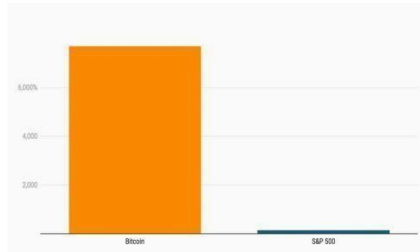
By August 2023, Bitcoin is **\$38,506**, Gold is **\$1.94**



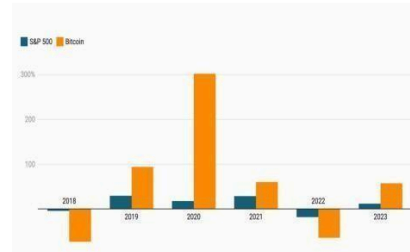
Even compared to the United States stock market index, the Standard & Poor's 500 (S&P 500), Bitcoin's return on investment (ROI) far exceeds the S&P 500. Over the last ten years, the S&P 500 has experienced an accumulated ROI of 145%, while Bitcoin's ROI reached 7,682%

Bitcoin VS S&P

Bitcoin **7,682%**, S&P **145%**



Cumulative Returns, Bitcoin vs. S&P 500 (2013-2023)



Returns Rates : S&P 500 vs. Bitcoin Over 5 Years

In 2024, along with the launch of Bitcoin ETFs, the halving of Bitcoin supply (Bitcoin Halving) in April and the possibility of lower interest rates in the US will trigger a huge flow of funds into the crypto asset market, which will bring about a new bull market.

Indonesian Market Prospects and Opportunities

Indonesia is the fourth most populous country in the world with 275 million people and an Internet penetration rate of 77 percent.

Indonesia Market

Indonesia Moves Up to Become Upper Middle Income

Masuknya Indonesia dalam kategori negara berpendapatan menengah atas karena ekonominya tumbuh kuat sebesar 5,3% pada 2022 sehingga GNI per kapita Indonesia naik 9,83%.



#4 Population Country, 275 million people



Internet penetration rate reached 77%



Become upper-middle-income country from 2022

Along with Indonesia's rapid economic growth, the country has risen to become an upper- middle-income country, with gross national income per capita exceeding 4,466 US dollars, and the number of middle- and high-income people continues to grow. This was followed by an increase in investment needs, and people began to focus their attention on new types of assets such as crypto assets.

According to data from the Commodity Futures Trading Supervisory Agency (Bappebti/CoFTRA), until November 2023, the total number of crypto asset investors in Indonesia reached 18.25 million people, with a new monthly growth of registrants of 437,900

Indonesia Crypto Market

Crypto users in Indonesia are growing rapidly, the growth is expected to be at least 40% in the year 2024.

Year	2021	2022	2023	2024F
Indonesia Internet User	196.71 million	210.03 million +6.77%	215.63 million +2.67%	221.4 million 2.67%
Crypto Users	11.4 million	16.4 million +43.86%	18.25 million +11.28%	25.68 million +40.74%
Percentage	5.80%	7.81%	8.46%	11.60%

According to Chainalysis' 2023 crypto asset adoption report, Indonesia's adoption rate jumped from 20th global ranking in 2022 to 7th in the world.

Indonesia VS Global

Indonesia penetration rate of crypto is relatively low, only 6.6%

There is still huge growth space (Vietnam:26.0%)



Although the number of users is increasing rapidly, market penetration is still at an early stage, and the penetration rate of crypto assets to the population in Indonesia is only 6.6%, showing huge growth potential.

3. Current Condition of the Exchange Industry

Because crypto assets are a new industry, initially the lack of regulation caused various problems to occur frequently, such as market manipulation, use of customer funds for

other needs, etc. In addition, difficulties in making deposits and withdrawals of fiat currency are also a major barrier for new users to enter the market.



- **Asset Security Risk**

Without oversight, users' assets on the exchange are at risk because platform operators may handle customer funds held on the exchange in an inappropriate manner. This could result in theft or misuse of assets, and users having difficulty obtaining compensation.

- **Market Manipulation**

Some unregulated exchanges allow market manipulation behavior, such as fake trading volumes or price manipulation. This can lead to market unfairness and abnormal market price fluctuations.

- **Legal Compliance Issues**

When there are doubts regarding the legality and compliance of an exchange, this can give rise to various legal issues, especially related to fiat transactions, including anti-money laundering regulations and securities laws. This can cause customers to face potential legal risks.

- **Technical Vulnerabilities and Security Issues**

Exchanges that have not been thoroughly audited and tested may have technical vulnerabilities and security issues, making them vulnerable to hacker attacks or internal leaks.

According to incomplete statistics, various frequent problems on exchanges have caused losses of more than 10 billion US dollars for customers.

- In the context of this industry, the Indonesian government is actively embracing the Crypto Industry and taking effective supervisory measures to ensure the healthy development of the entire industry.
- In 2019, the Indonesian Commodity Futures Trading Supervisory Agency (BAPPEBTI) announced crypto assets as tradable commodities.
- BAPPEBTI, OJK, KOMINFO, PPATK, and several other departments work together to strengthen supervision.

- And Bittime is one of the first exchanges to pass supervision, officially registered and supervised by BAPPEBTI and Kominfo, 100% compliant and safe.

Indonesian government embraces crypto



- 2019, the Indonesian Commodity Futures Trading Regulatory Agency (referred to as "BAPPEBTI") declared crypto as a tradable commodity.



- BAPPEBTI, OJK, KOMINFO, PPATK and multiple departments jointly strengthen supervision.



- Bittime is an officially registered exchange that is supervised by Bappebti and Kominfo. It is 100% compliant with regulations and secure as it is equipped with ISO 27001:2022 and ISO 27017:2015 certifications.



How Bittime Protects the Security of User Assets

Compliance is the future, Bittime is the future.

- Fund Security Guarantee

Provides effective anti-money laundering AML procedures, advanced fund security measures, including MPC multi-signature wallet, cold storage and security audits, to protect users' digital assets.

- Separation of Assets

The Exchange strictly separates customer funds from its own operational funds to prevent commingling and misuse of assets.

- Transparent Market

Routinely provides market data, order book and transaction history to regulators to ensure market transparency and fairness.

- Compliance Audit

Conduct regular compliance audits to ensure compliance with regulations, while providing necessary reports and information to regulatory agencies.

4. Various Benefits of Bittime

Bittime officially started operations in December 2022, with a team that has 5 years of successful experience in exchange operations. Strong technical expertise and security capabilities have allowed Bittime to grow very quickly, becoming one of the top platforms of choice for trading crypto assets in Indonesia within a year. Bittime offers multi-platform support, including PC, iOS, and Android, providing a variety of trading options for users.

Bittime also provides various rich features such as Spot Order Book, Swap, Staking, and legal IDR deposits and withdrawals, meeting various customer transaction needs. Ease of use, complete features, and reliable security are the main reasons why Bittime is so popular with customers.



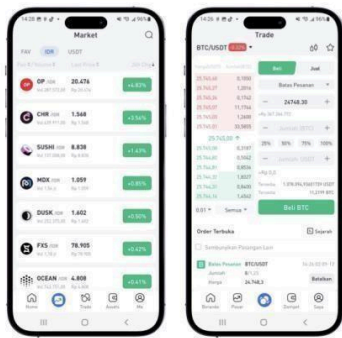
Bittime Core Advantages

- 01 Buy hundreds of hype tokens with IDR
- 02 Flexible and diverse staking options
- 03 Covering 95%+ of IDR deposit channels
- 04 Leading MPC technology ensures asset security
- 05 Passed audits by BAPPEBTI and ISO
- 06 Strong ecosystem cooperation capabilities

Purchase 250+ Popular Tokens with IDR & One Click

Bittime currently supports purchasing 250+ popular tokens with IDR in one click. Meanwhile, to support more popular tokens, Bittime adopts an aggressive listing strategy. We have established a professional research team dedicated to researching potential projects and listing them on the Bittime exchange platform in a timely manner. For example, in January 2024, Bittime successfully listed 40 projects, and led the market.

Support 250+ IDR pairs spot order book








- Supports **250+** IDR trading pairs;
- Adding **40+** new listings each month, leading the Indonesian market;
- Supports Limit Order, Market Order, Trigger Order;

Flexible and Diverse Asset Staking

Bittime provides a variety of Staking financial products. With a wide selection of Staking assets, along with high APY (Annual Percentage Yield), it allows users to enjoy substantial profits from the blockchain Proof of Stake (POS) consensus mechanism just by staking simple tokens (such as: ETH, DOT, SOL, etc.).

Staking list

Coin	APY	Period	Operation
 XDC <small>New user exclusive</small>	13%	7 days	Stake Now
 TRX <small>New user exclusive</small>	8%	7 days	Stake Now
 DOT <small>New user exclusive</small>	13%	7 days	Stake Now
 USDT <small>New user exclusive</small>	18%	30 days	Stake Now
 USDT <small>New user exclusive</small>	16%	7 days	Stake Now

Flexible and diverse staking options

Rich Staking Options
Share earnings from blockchain POS


XDC
13%


TRX
8%


MAGIC
8%


ETH
20%


DOT
13%


ADA
6.8%


SOL
8%

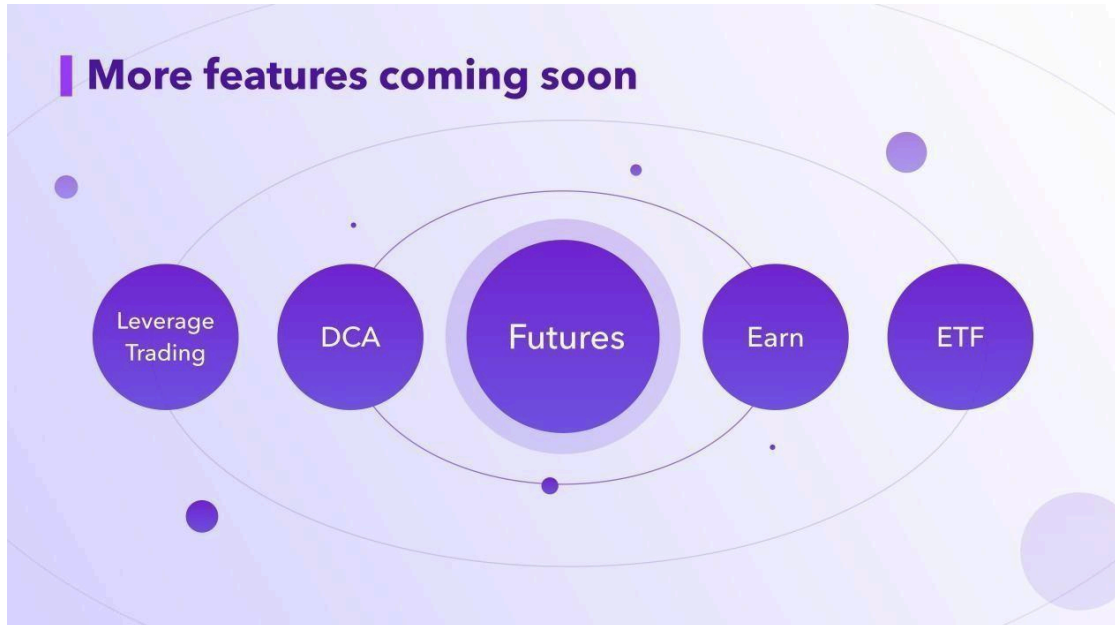

USDT
20%

IDR Currency Withdrawals and Deposits Cover 95+% Channels

In contrast to unregulated exchange platforms, Bittime has implemented strict anti- money laundering (AML) mechanisms. We use advanced AML technology and processes to ensure the security of customer assets. In addition, for user convenience, we provide various Indonesian Rupiah (IDR) deposit and withdrawal methods.

Various Features Planned to Launch:

1. Futures
2. DCA
3. Loans
4. And many more...

**5. Bittime Technology Advantages**

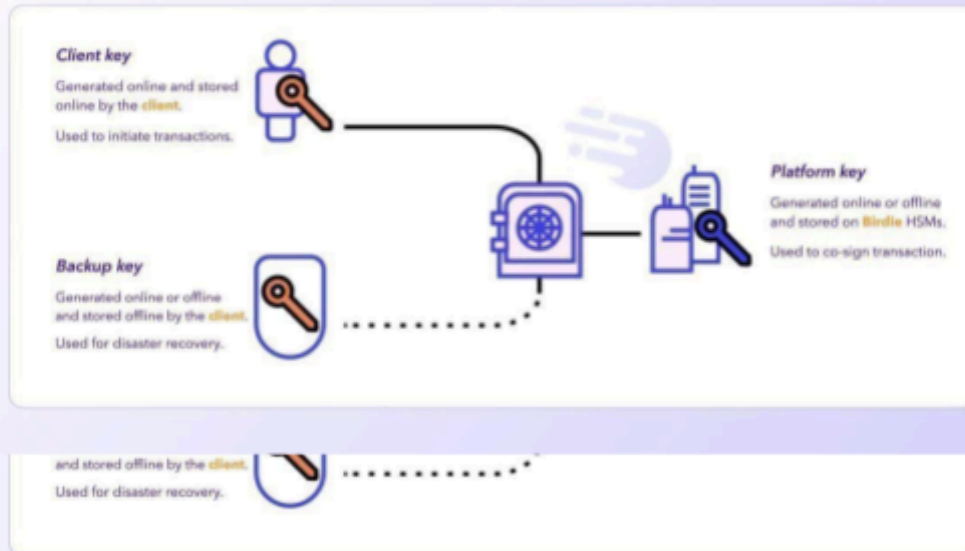
Bittime is built on high technology standards and strict auditing. We have extensive experience in building financial systems and always prioritize security as a top priority, to ensure the safety of investors' assets.

MPC Encryption Technology

Bittime uses the latest MPC encryption technology to provide multiple layers of protection to customer assets, ensuring they are 100% secure.

Leading MPC encryption technology

Multi-layer protection to ensure asset security

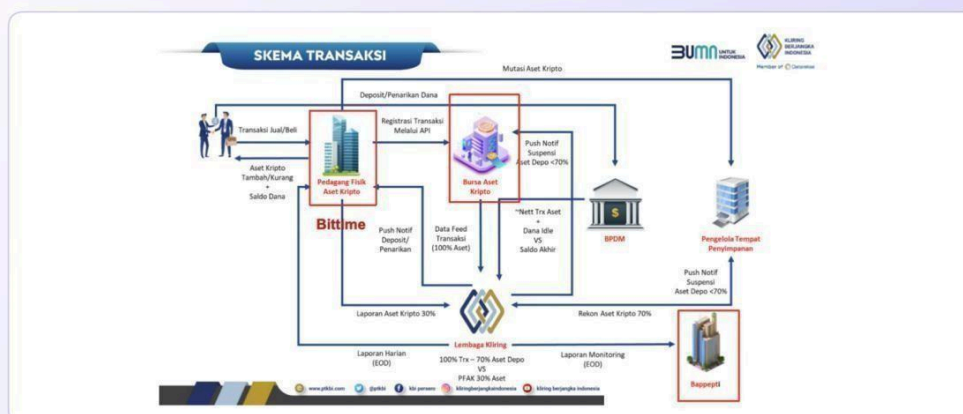


BAPPEBTI Security Audit

Bittime has passed the supervision of BAPPEBTI and Kominfo, with guaranteed asset transparency, reporting asset conditions to BAPPEBTI & SRU every day.

Passed BAPPEBTI security audit

Assets are transparent through BAPPEBTI and Kominfo audits



ISO Security Audit

Obtaining various ISO international security certifications (ISO 27001:2022, 27017:2015), Bittime is a crypto asset trading platform **First** in Indonesia which received two ISO international certifications (27001:2022 and 27017:2015).

Passed ISO Security Audit

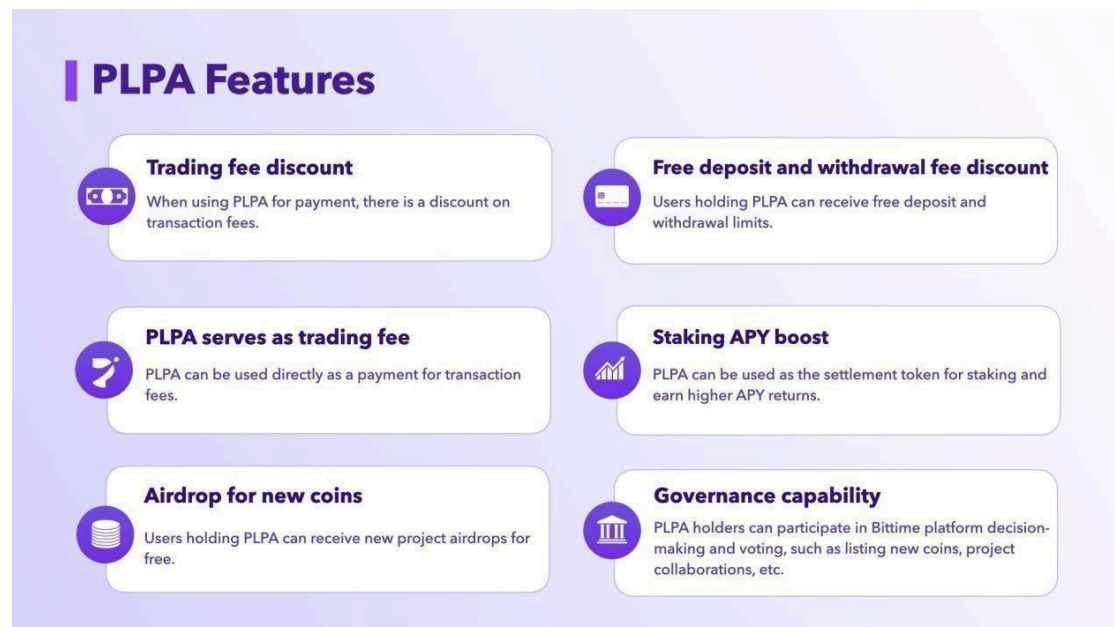
#1 in Indonesia to obtain these ISO security audit



6. PLPA - Bittime Platform Coin

PLPA Functions and Empowerment

PLPA is the utility token of the Bittime platform, an important functional module of Bittime, which powers the entire Bittime ecosystem. PLPA will play a role in various key scenarios at Bittime, with PLPA usage including, but not limited to, the following aspects:



- PLPA as a means of paying transaction fees

PLPA can be used directly to pay transaction fees. When using PLPA for payment, there is a 5%- 10% fee discount.

- As a Settlement Token for Financial Staking

Bittime supports staking mechanisms for many tokens, and PLPA can be used as a settlement token for staking, allowing users to earn higher income.

- Transaction Fee Discount Based on the Number of PLPA Owned

Based on the amount of PLPA held, users get different VIP levels, with corresponding transaction fee discounts. These incentives encourage users to increase their PLPA holdings and increase transaction activity on Bittime.

- Miningby Holding PLPA

Holders can stake PLPA tokens on the Bittime platform to earn staking returns.

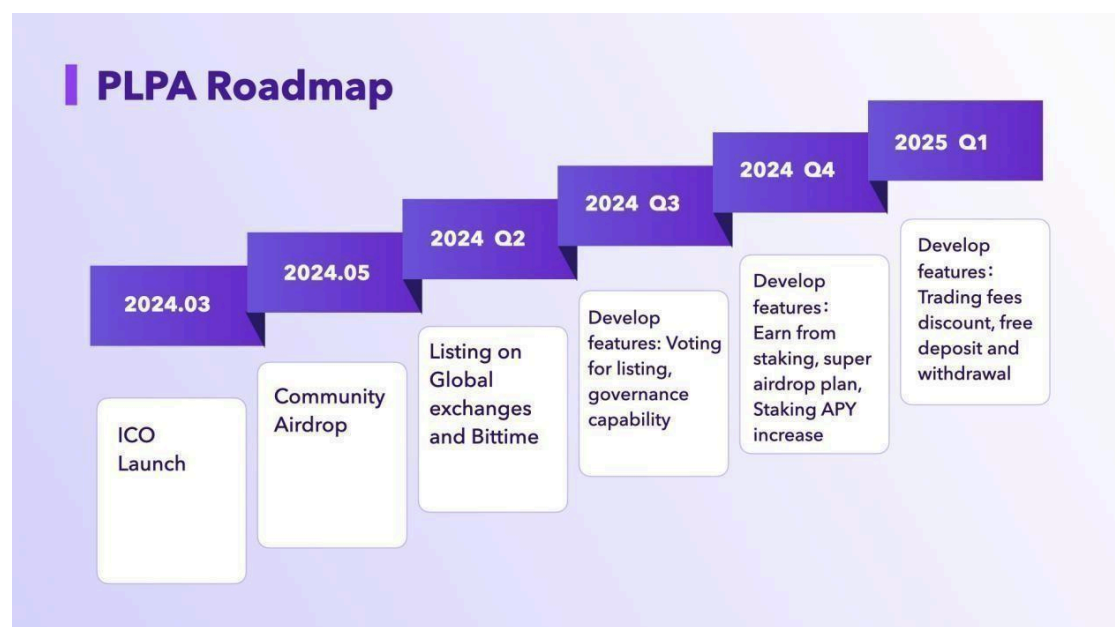
- Governance Ability

PLPA holders can participate in more decisions and voting on the Bittime platform. This mechanism allows users to be involved in the platform development decision-making process and build the Bittime community together, including product feature iteration, project collaboration, and community ambassadorship. Participation in new coin listing decisions is a signature feature of Bittime, and by holding PLPA, users can participate in coin listing decisions on the platform and win prizes.

- Free Withdrawal and Deposit Quota

Bittime provides free withdrawal and deposit quotas for users holding PLPA, especially for withdrawing IDR to registered bank accounts.

PLPA Roadmap



7. PLPA Token Distribution Plan

The token distribution and redemption schedule ensures fair PLPA distribution, while the participation of the PLPA team and strategic investors demonstrates long-term commitment and confidence in the platform's success.

The total supply of PLPA tokens is 10,000,000,000 PLPA, with distribution as follows:

Allocation	Token Allocation (%)	Token Allocation (PLPA)	Vesting Schedule	
Community Rewards	5%	500,000,000	Up to 10% will be distributed upon token launch, and tokens that have not been airdropped will be burned	Remaining 90% to be vested on demand
Team	20%	2,000,000,000	Locked for 9 months	Vested linearly over 48 months, with equal monthly releases
Early Investors	15%	1,500,000,000	Locked for 3 months	Release 25% every quarter after 3 months.
Public Sale	10%	1,000,000,000	No lockup	-
Ecosystem Development	20%	2,000,000,000	From February 2025, distribute to Bittime outstanding contribution team	-
Treasury for Staking Incentives	30%	3,000,000,000	With the launch of the feature, continuous release is expected to be in December 2024.	-



Note: Subject to change without prior notice.

PLPA Unlock Time

The estimated PLPA unlocking period is as follows :



Buyback and Burn Mechanism

The PLPA token applies a buyback and burn mechanism to increase value for token holders. There are two buyback mechanisms for PLPA:

- 1) The platform will use 10% of net profits each quarter for buybacks and burning tokens from the market. This reduces the supply of the token, which over time, can increase the scarcity and value of the token. This mechanism combines the profitability of the project with the interests of token holders, resulting in a deflationary effect and potential price appreciation. The amount burned depends on quarterly profits, with the maximum burn limit being 20% of the total token supply.
- 2) The platform will use 80% of the revenue earned through the project's staking mechanism, which is settled every quarter, to buy back PLPA. This portion of the repurchased PLPA will not be burned. Instead, this token will continue to be used in the staking mechanism as a settlement token.

8. Team Background

Bittime & PLPA core team consists of 50 people, of which 70% are R&D (research and development) personnel:

Wallet team has about 12 people. The core R&D personnel have worked in the blockchain industry for approximately 6 years, with one member having in-depth research in the field of security and cryptography. Two other people also have deep expertise in cryptography.

Server team consists of about 18 people, with the main server developer having 15 years of work experience, involved in the design and development of news recommendation algorithms as well as the design and development of exchange matching systems. With its help, Bittime can achieve matching and settlement of up to 20,000 transactions per second, placing it in a leading position in the industry. The front-end development team has 5 people,

with core developers involved in application development with daily activity of 100 million users in the global market.

80% of the entire Bittime & PLPA team are top talents who graduated from leading universities in countries such as Indonesia and Singapore.

| PLPA Management Team



Jimmy · CEO

- 5+ years experience in web3 Indonesia
- Entrepreneur in Indonesia;
- Aspiring to introduce and disseminate blockchain and crypto technology to the public.



Albert · Head BD

- Ten (10) years experience in Sales and Business Development with demonstrated history of working at Marketplace, Startup, Crypto, Blockchain and Web 3 industry.

| Corporate Board



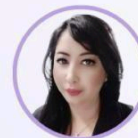
Ronny

- Entrepreneur with 20+ years investment and operation experience in Indonesia;
- Business covers fintech, hotel, mining, factory and supermarket;
- Professional investor in the Blockchain business.



Ryan

- Entrepreneurs in the Internet and blockchain industries;
- Over 10 years of management experience in the Indonesian market
- Have created multiple web3 projects.



Sera

- 10+ years compliance experience in Financial and Fintech industry.
- Strong expertise and experience in setting up Crypto Exchange in Indonesia, business licenses/permits
- Strong Government Relationship buildup.

| Bittime Management Team



Ryan · CEO

- Entrepreneurs in the Internet and blockchain industries;
- Over 10 years of management experience in the Indonesian market
- Have operated multiple web3 projects.



Evan · CTO

- 8 years+ of experience in the financial industry;
- 5 years+ of experience as a system architect;
- Responsible for the overall technical architecture of Bittime;
- Managing the technical team to ensure the safe and stable operation of the exchange.



Giras · CMO

- Over 15 years of experience in marketing and brand strategy
- Experienced in branding, marketing, growth, media relations, and public relations.
- A former CNN journalist with a wide network and fast learner character.

9. Risks and Disclaimer Statement

Risk

1. **Market Volatility:** The value of PLPA tokens and any associated returns or benefits may be affected by significant price fluctuations and market volatility. Users should be aware that the value of their PLPA tokens can change rapidly, and there is a potential risk of financial loss.
2. **Regulatory and Legal Considerations:** The regulatory environment for crypto assets and blockchain technology continues to evolve and may vary across jurisdictions. Users must carefully evaluate and comply with applicable laws, regulations and restrictions relating to the acquisition, ownership and use of PLPA tokens.
3. **Technical Risks:** Blockchain technology, including the PLPA ecosystem, faces potential technical vulnerabilities, hacker attacks, and cyber threats. Although PLPA has implemented security protocols, there is no guarantee that such risks can be completely prevented.
4. **Third Party Risks:** PLPA may rely on third party services, partners or platforms. Users should acknowledge that the performance and reliability of these third parties may impact the functionality and security of the PLPA token ecosystem.
5. **Investment Risk:** Acquisition and ownership of PLPA tokens involves investment risk. Before engaging in token-related activities, users should carefully evaluate their financial condition and ability to bear risks.

Disclaimer Statement

Disclaimer Statement: PLPA provides PLPA tokens and related utilities and benefits “as is” and “as available”. PLPA does not provide any warranty or guarantee regarding the function, security, value or performance of PLPA tokens. User acknowledges and assumes all risks associated with the acquisition, ownership and use of PLPA tokens. PLPA is not responsible for any loss, damage, or inconvenience arising from use of or reliance on PLPA tokens or the PLPA ecosystem. Users should conduct their own research, seek professional advice, and exercise caution when participating in the PLPA token and the PLPA ecosystem