ETSK.WHITE PAPER

ETHEREUM STACKING

Digital Assets
for digital industry 4.0
"Real business opportunities"

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ETHER STAKE (ETSK)

Digital Assets

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Abstract:

ETSK is a Digital Asset for the development of innovating fintech in the Industry 4.0 business. alternative blockchain technology based business development. ETSK is a blockchain based technology startup business for various payments and merchain through Payment Point Online Bank. Asset growth through staking, offers guaranteed returns and predictable sources of income.

As an ERC-20 token built into the ethereum blockchain network, ETSK inherits speed, security, transparency, and characteristics that have the basic standards of the world ethereum community. Making ETSK easier to gain trust for the cryptocurrency community.

The main target customers of ETSK are those who are interested in developing technology-based businesses, people who run various fields of small and medium business, anyone who wants regular income through the ETSK payment application. The final price of ETSK on each cryptocurrency exchange will only depend on the market power of supply and demand. ETSK has no contractual obligations to repurchase ETSK from its holders and does not represent debts to ETSK holders.

A. Introduction

Cryptocurrency (or cryptocurrency) is a digital asset designed to work as an exchange medium that uses strong cryptography to secure financial transactions, control the creation of additional units, and verify asset transfers. Cryptocurrency uses decentralized controls as opposed to centralized digital currencies and the central banking system. Decentralized control of each cryptocurrency works through distributed ledger technology, usually blockchain, which functions as a database of public financial transactions.

The first decentralized cryptocurrency, bitcoin, was created in 2009 by a pseudonym developer Satoshi Nakamoto. It uses SHA-256, the cryptographic hash function, as a proof-of-action scheme. In April 2011, Namecoin was created as an effort to establish a decentralized DNS, which would make internet censorship very difficult. Soon after, in October 2011, Litecoin was released. It was the first cryptocurrency that successfully used Scrypt as a hash function instead of SHA-256. Another well-known cryptocurrency, Peercoin is the first to use a hybrid proof-of-work / proof-of-stake.

1. Altcoin

The term altcoin has various similar definitions. Stephanie Yang of The Wall Street Journal defines altcoin as "alternative digital currency," while Paul Vigna, also from The Wall Street Journal, describes altcoin as an alternative version of bitcoin. Aaron Hankins from MarketWatch refers to cryptocurrency other than bitcoin as altcoin.

2. Crypto Token

Blockchain accounts can provide functions other than making payments, for example in decentralized applications or smart contracts. In this case, units or coins are sometimes referred to as crypto tokens. A token is a digital asset issued by a project that can be used as a payment instrument in the project ecosystem. Tokens can function as digital assets, represent shares / ownership of the company (security tokens), use access to a function in the project and many others.

Tokens are crypto assets created by developers that will be needed to use blockchain-based software that will be built in such a way. While the developers themselves are the names of people who make software, websites and applications.

At this time, tokens can be made according to needs, there are tokens that function like shares, meaning that they represent ownership of the company so that later we will get a dividend from the company's profits. In addition, tokens can function as digital assets that have a certain value with the potential for additional assets if staking (betting / holding) through an application made by the developer.

Generally tokens are created through smart contract platforms such as ethereum. So on the ethereum blockchain we can access details about contracts made by the contract maker.

B. Economic and Welfare Problems

Economic problems that occur in a country can slow the rate of economic growth. In Indonesia, economic problems can hamper the realization of people's welfare. Some of Indonesia's economic problems are as follows.

1. Low Economic Growth

The economic growth of a country is one indication that can be used to measure the success of the country's development. Economic growth can be seen through the level of production of goods and services that can be produced during a certain period. Economic growth in developing countries like Indonesia is often constrained by capital and investment problems. Indonesia still relies on capital from foreign investment to support its economic activities.

2. Poverty

Poverty is a state of society that is unable to meet their needs. The necessities of life include food, clothing, shelter, education, and health. Poverty as a result of the reduction in people's income in real terms. The community has experienced a general decline in the purchasing power of staple goods. As a result, people cannot live properly so that their living standards decline.

3. Unemployment

In general, unemployment is defined as a labor force that does not work. Unemployment is a chain of problems that can cause several problems in a country. Unemployment is caused by the number of labor force that is not balanced with the number of employment / employment opportunities. As a result, many workforces cannot be absorbed in employment, causing unemployment.

Statistik Tenaga Kerja dan Pengangguran (Absolut) di Indonesia:

dalam juta orang	2016	2017	2018[1]
Tenaga Kerja	127.8	128.1	133.9
- Bekerja	120.8	121.0	127.1
- Menganggur	7.0	7.0	6.9
Penduduk Usia Kerja, Bukan Angkatan Kerja	63.7	64.0	59.6
- Sekolah	15.9	16.5	15.6
- Mengurus Rumah Tangga	39.3	39.9	36.0
- Lainnya	8.4	7.6	8.0

4. Income Gap

Income is used by the community to meet their various needs. In society there are community groups with high incomes and community groups with low incomes. People who have high incomes are able to meet their basic needs, from primary, secondary to tertiary. Meanwhile, groups of people who have low incomes are unable to meet their daily needs despite the most basic needs.

In a broader perspective, the existence of gaps can also have a positive impact in order to improve economic growth. In fact, inequality will provide incentives for everyone, including disadvantaged groups of people to keep on trying (including being entrepreneurs) and innovating in business (Lazear and Rosen, 1981).

C. Benefits of Fintech for the Digital Economy

Today the technology in the field of economics and funding continues to increase. In the past, people who want to trade must meet in person. This of course takes energy and time. Now everything can be done online so it's easier to do. Now there is also fintech which is popular among business people. Fintech is an important thing to know.

It's not only small scale companies that use fintech. However, large companies also use fintech to manage finances, from the transfer process to other financial needs. So it can be called if fintech is a combination of financial systems and technology.

What is Fintech?

Actually, the standard definition of fintech has not been well explained. Based on the National Digital Research Center, fintech is a term that refers to the mention of innovation in financial or financial services. Or it can also be called an innovation given a touch of modern technology.

The goal of fintech is to maximize the use of technology, sharpen, change, and also accelerate financial services in the business world. That is, various payment methods are carried out, ranging from asset management, fund collection to loans can be arranged and accelerated using the help of these technologies.

For this reason, it is not surprising that fintech becomes a necessity in the business world that can ultimately change the lifestyle of many people. This includes people who are struggling in the world of finance and technology. Fintech is an important part that affects the economic progress of a country, in which there are many companies with various variants.

Development of Fintech Indonesia The number of fintech users in Indonesia is very large. It can even be said that every business actor must use it to facilitate financial management. This is evidence that the development of fintech is also very rapid in Indonesia. No wonder because there are many benefits to be had when companies use it. The startup business continues to grow in Indonesia. One of the things that dominates is the new industry we call fintech. With fintech, it is easier for the public to access financial products, simplifying the transaction process and increasing financial literacy. Fintech companies in Indonesia were also attended by startup companies with large market potential. It is undeniable if digital technology in the financial sector provides a sense of comfort that is extraordinary for users when transacting. No wonder if business it has developed so relentlessly until now. Not only that, fintech also has many benefits, especially for companies that use it. Here are some of the benefits:

1. Helping Start-Up Companies Develop.

Many startup companies have created innovations in the field of fintech. Call it like planting money that makes new products to provide other experiences in the field of digital banking whose analysis is more detailed and also detailed. Such companies generally grow in Singapore with the main market in Indonesia.

2. Fintech Can Improve Living Standards.

Not only does it benefit, fintech also adds to people's living standards and purchasing power. For example, there are startup companies that innovate by presenting merchants, where the merchant receives the payment process easily and quickly. Of course the costs presented are also low.

3. Fintech Stimulates the Development of Cryptocurrency

The most obvious impact of the existence of fintech is Cryptocurrency (Digital Assets) which also developed well. According to research, at least 2.5 billion Cryptocurrency users use fintech. The result, not a few of these users can make transactions without the slightest disturbance.

D. E Commerce for Small and Medium Enterprises

E commerce comes from English, namely electronic commerce. And as trading is done directly or face to face. In e-commerce also includes the process of promotion, purchase and marketing of products. What is different is the trading system used, namely through electronic media or the internet.

In e-commerce, the whole trading process starts from the process of ordering products, exchanging data, to transferring funds electronically. In the midst of the increasingly sophisticated development of digital technology and information. E commerce activity is an application of e business or e-business. Which is related to commercial transaction activities.

So, in broad terms this notion of e-commerce does not only cover business activities. But it also includes collaboration with business partners, client services, job openings, and so on. In addition to utilizing digital technology, e-commerce also requires databases, e-mail, and other non-internet technologies. For example, in sending goods, and how to pay for products from e-commerce.

Examples of E-Commerce in Indonesia Connoisseurs of online shopping in Indonesia are indeed very high. Not surprisingly, then continues to grow new e-commerce, which helped enliven the universe of sales in cyberspace. Even so, there are only a few e-commerce that can survive and thrive amid intense competition. Below is an example of e-commerce that is growing rapidly in Indonesia.

1. Bukalapak
2. Shopee
3. Lazada
4. Gojek

The development of e-commerce in Indonesia can be said to be very rapid. When compared with other countries around. As you can see for yourself, e-commerce has mushroomed over time. Of course this also adjusts to market demand which is increasingly fond of online shopping activities.

Improving Small and Medium Enterprises through Merchants

For millennials it is certainly no stranger to the term merchant. Merchant is the seller of an item or service that has a certain form of business and cooperates with an e-money payment service provider from the bank concerned. Thus, it can be concluded that the merchant is a non-cash or cashless payment system for purchasing certain products.

Increase Revenue Through PPOB

PPOB stands for Payment Point Online Bank, an online payment system that uses banking functions. In this case, various types of payments such as BPJS, PLN, PDAM, landlines, multi-finance, credit cards and insurance. PPOB offers

facilities that meet the needs of other communities, such as impulses, data packages, and game vouchers.

Benefits of PPOB Services:

a. Benefits for Customers

1) Become a Payment Place for Various Bills

2) Save Time and Transportation Costs

3) No Need to Queue

4) Many Payment Options Provided

b. Benefits for the Community

1) As a Business Opportunity

2) Opening Jobs

E. Ether Stake Solution

ETSK is developing digital assets business. In addition, with the great potential is to become a qualified capital to make ETSK as an alternative to business development based on blockchain technology. In detail, the purpose of making ETSK tokens is as follows:

1. Development of a blockchain-based technology startup business.

2. ETSK for various payments and merchain through Online Payment Point Bank

3. Growth of assets through staking, offering guaranteed returns and predictable sources of income.

4. Increase sales of merchain small and medium entrepreneurs so that they can help improve the economy.

5. Open up opportunities for anyone who wishes to earn outside income or permanent employment so that it helps improve living standards.

1. Implementation of Benefits Our implementation has the following advantages:

    a. ETSK is on the Ethereum blockchain which is highly developed and tested to be decentralized and there is no intervention from ethereum on tokens in its network.

    b. ETSK can be used like bitcoin, which is in a p2p, pseudoanonimous, decentralized and cryptographically secure environment.

    c. ETSK can be integrated with merchants, exchanges, and wallets as easily as Bitcoin or other cryptocurrency.

    d. ETSK inherits the characteristics of the Ethereum Blockchain protocol which includes: decentralized, browser-based, open source exchange, wallet encryption, Ethereum-based transparency, accountability, multiparty security, and reporting functions.

    e. ETSK can meet the cryptocurrency nature that can be accepted by the crypto community such as; Total Supply, Balance Of, Transfer, Transfer From, Approve, Allowance.

2. ETSK Transaction Technology Stacks have 3 layers, and many features, are best understood through diagrams
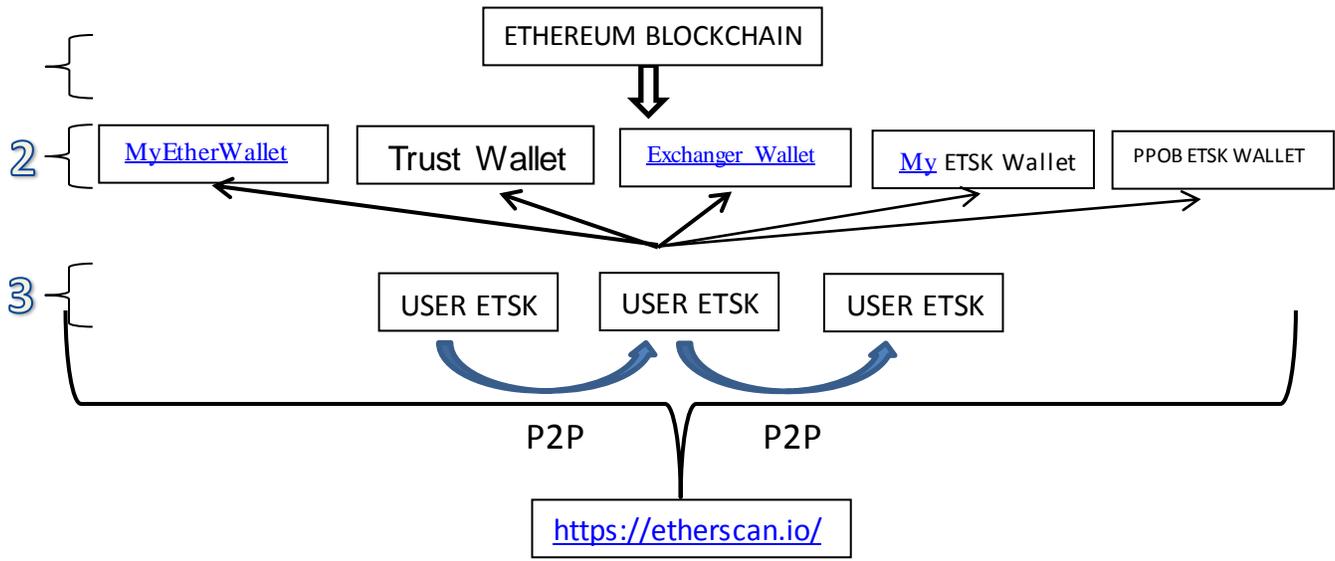
Explanation:

1) ETHEREUM BLOCKCHAIN, Is the first layer means that ETSK will run in a decentralized ethereum network that has an advanced technology platform that is integrated with various wallets and various addres respectively.

2) WALLET, are various types of ethereum storage places and tokens, in this case including ETSK tokens. Whereas there are only two platforms provided by ETSK developers, namely My ETSK Wallet and PPOB ETSK Wallet. In this last wallet, only wallet for ETH and ETSK is available.

3) USER ETSK, are ETSK holders who can use various kinds of wallets that support ETH and ETSK. Users can send tokens to fellow users through the available wallet and of course the user can send tokens to the user's own wallet to a variety of wallets that support. All transactions are recorded and confirmed at https://etherscan.io/.

3. ETSK Staking Process
Staking steps by the user to get a reward are as follows:

Langkah staking oleh user untuk mendapatkan reward adalah sebagai berikut:

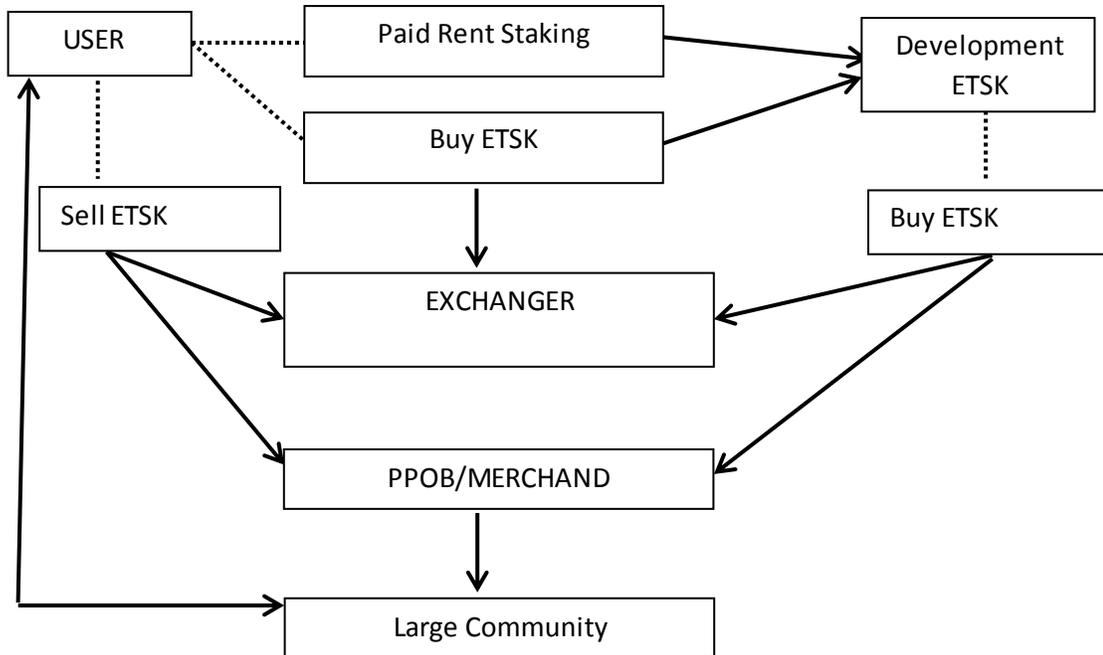|		
1. Registration and KYC at myetsk.com	2. SEND ETH TO Wallet myetsk.com	3. BUY ETSK used ETH on myetsk.com
6. Choose for contract STAKING ETSK which choosen at ; 3,6, 12 month	5. SEND TOKEN TO STACKING PROGRAM	4. PAID FOR RENT STACKING BY Etherium (ETH)
7. STAKING ETSK Start	8. AGING (Maturation process Token) until 30 Days	9. Receive REWARD, compound staking Start
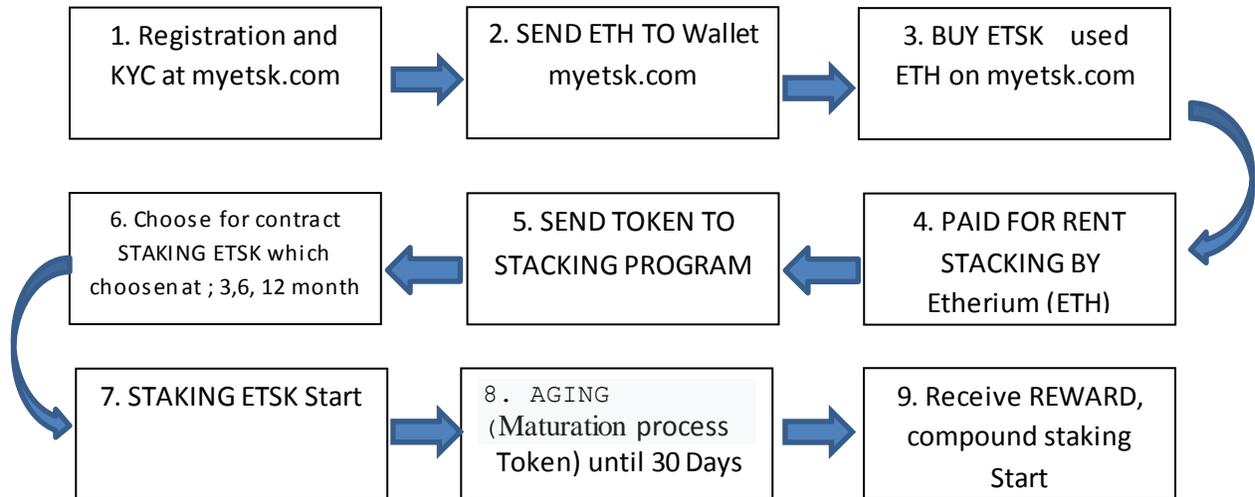
Explanation:

1) User registration at myetsk.com completes KYC, once confirmed, each user will automatically get an address in his wallet in the form of letters and numbers.
2) The user sends a number of ETHs to myetsk.com wallet through the address contained in each user's account for ETSK purchases, staking rental payments and token shipping costs.
3) The user purchases a number of ETSK using Ether currency.
4) The user pays the staking rental fee using ether which is valid for 30 days. The amount of the rent is adjusted to the number of tokens that are made. The greater the assets in stake, the greater the torment, and vice versa.
5) The user moves the number of tokens that want to distaking the available menu
6) Users choose staking contracts that are available with different options and rewards:
a. 3 Months: 0.3% / day
b. 6 Months: 0.4% / day
c. 12 Months: 0.5% / day
Note: The token will be locked and will be returned when the contract period expires.
7) ETSK will automatically make staking and benefit from a number of tokens as prizes.
8) A number of staking gift tokens must carry out the aging process (aging) 30 (Thirty) days from the token stored in the staking menu.
9) The staking system will run automatically and continuously, both if there is an addition or reduction in the number of tokens stored in the wallet or popularly called a compound (compound / mixture).

4. Business System

To make it easier to understand the ETSK business system as a solution to increase user revenue, it can be seen in the scheme below:

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┌──────────┐        ┌─────────────────────┐          ┌──────────────┐
│   USER   │········│  Paid Rent Staking  │────────▶ │ Development  │
└──────────┘········└─────────────────────┘          │     ETSK     │
       ·     ········┌─────────────────────┐          └──────────────┘
       ·             │      Buy ETSK       │──────┐          ·
┌──────────┐         └─────────────────────┘      │   ┌──────────────┐
│ Sell ETSK│                   │                   │   │   Buy ETSK   │
└──────────┘                   ▼                   ▼   └──────────────┘
       │           ┌─────────────────────┐               │
       └──────────▶│     EXCHANGER       │◀──────────────┤
                   └─────────────────────┘               │
       │                       │                         │
       │           ┌─────────────────────┐               │
       └──────────▶│    PPOB/MERCHAND    │◀──────────────┘
                   └─────────────────────┘
                               │
                   ┌─────────────────────┐
                   │   Large Community   │
                   └─────────────────────┘
```

Explanation:

a. Users pay staking rent to the ETSK developer

b. Users buy ETSK to developers through the instant purchase platform provided or also through exchangers, the global market place can also be to other holders.

c. The developer repurchases ETSK from users through a global exchange / market from staking rental revenue and / or new purchases from users.

d. Users sell ETSK to exchangers / markers / other users through the P2P mechanism.

e. Users sell ETSK to PPOB / Merchand provided through an instant mechanism.

f. The developer buys ETSK users through PPOB / Merchand.

g. Users get IDR balances on the PPOB / Merchand platform and can take advantage of these facilities to get more benefits.

F. Road Map

A roadmap is a guiding strategy and planning document for implementing strategies that are displayed in summary with a high-level visual that maps what the vision and direction of the product are from time to time. The following is the ETSK roadmap:

1. ETSK Web Platform Development (June 2020)

In software engineering, a web application (English: web application or often abbreviated as webapp) is an application that is accessed using a web browser through a network such as the Internet or intranet. It is also a computer software application that is encoded in languages supported by web browsers (such as ASP, Perl, Java, Java Script, PHP, Python, Ruby, etc.) and relies on these browsers to display applications. Then in the next development the website platform is formed, in other words, the platform is a place to work, interact and transact, of course in this case in accordance with the business to be run is a place to develop tokens and run various digitalization processes based on blockchain.

a. **Website Address (domain)**
The address of a site on the Internet is called a domain name. The general term and domain name is a URL (Uniform Resource Locator) which is a means of determining the address that will be used to access the Internet. URL address is a special address for certain files that can be accessed by the Internet. The Web address for applications running ETSK functions is www.myetsk.com.

b. **Website Function**
The following is explained the function of the ETSK.crypto website which will be run as an ETSK development platform itself, namely:
1. Means of delivering information and promoting ETSK.
2. The functions of creating user accounts, such as: registration, activation, login, Know Your Customer (KYC), the user's account security system, deposit and withdrawal, as well as the user's authorization function to staking ETSK tokens.
3. Making a wallet (wallet) ETSK token.
4. ETSK token staking function The staking or leasing system that will run on the ETSK.crypto platform is as follows:
1) Every user who has an ETSK balance in his wallet will automatically benefit from a number of tokens as prizes.
2) The number of token prizes obtained can be as much as 15% per month from the number of tokens leased.
3) A number of the rental gift tokens must carry out the aging process of the token before becoming a token that is ready to be made.returned or sent to another wallet and or to the exchanger where the ETSK token is sold.
4) The token maturation period is 30 (thirty) days since the token is stored in the staking wallet.
5) The staking system will run automatically and continuously, both if there is an addition or reduction in the number of tokens stored in the staking wallet or popularly called a compound (combined / mixed).

2. Making Tokens on Ethereum Blockchain (July 2020)

Before explaining about Token ERC-20, it is first explained about ethereum itself as a cryptocurrency and as a blockchain platform. Ethereum is a decentralized computer network that has two basic functions. Blockchain that can record transaction traces and a virtual machine that can make smart contracts. With

these two functions, Ethereum can support decentralized applications (DApps). DApps is built on the existing Ethereum blockchain, on the basis of the technology. Instead, Ethereum charges developers with computing power on their networks, which can only be paid using Ether. Ether means the mention of a currency name for coin ethereum. The purpose of making a token depends on its purpose, DApps can make an ERC-20 token as a currency, as a share in a company, as a point in a loyalty program, or even as proof of home ownership or a certain amount of gold. The token built on Ethereum is called an ERC-20 token. Ethereum blockchain is a good platform for token makers because Ethereum blockchain is the first to provide this service and is also very trusted. by using Ethereum blockchain solidity doesn't have to be difficult to learn. It was designed so that it was similar to Python, JavaScript and C ++ to make it easier to learn.

Token ERC-20 follows a number of standards so that it can be shared, exchanged with other tokens, or transferred into a crypto wallet. The Ethereum Community makes these standards with three optional rules and six rules. These Basic Rules are:

a. Total Supply Total supply is the maximum supply which refers to the total amount of a coin / token determined by the coin / token code or script.

b. Balance Of BalanceOf is a function to return a number of tokens from an existing address into his account. This means that this principle ensures that each token holder can have an authorization on the token he controls.

c. Transfer (Send)
Transfer means allowing the token to be transferred in a certain amount from TotalSupply to one's account.

d. Transfer From
TransferFrom is a function that allows a user to transfer his token to another user.

e. Approve
Approve checks transactions of total token inventory. No more or less certain.

f. Allowance
Allowance is a function that checks the balance in a user's account and will cancel the transaction if there are not enough tokens.

With the existence of universal standards, new tokens can be placed on an exchange or transferred into a wallet automatically, after the wallet is created. ERC-20 also made the creation of new tokens very easy and therefore Ethereum became the most popular platform for ICO in 2017. At present (April 19, 2020) there are 256,647 Token Contracts found at https://etherscan.io/ tokens.

Total Supply for ETSK is 10,000,000,000 ETSK (Ten Billion Tokens). While the number of tokens in ICO is 200,000,000 (Two Hundred Million Tokens). The price for 1 ETSK token during the ICO period is Rp. 1,500 / USD 0,1.

3. Launching ETSK (July 2020)
To run / apply ICO to the public, ETSK prepares a smart contract that is offered for interested persons who wish to have an ETSK token before opening a staking application on the web. An explanation of smart contracts is as follows:

Smart contracts can be built on several blockchain platforms, including Ethereum often termed 'Ethereum smart contract' or 'Ethereum contract'. The language used to make smart contracts is the original coding language Ethereum, called Solidity.

Next the developer determines the price between the ETSK tokens against 1 (One) Ether. With a contract value of 1 eth will get 2,333,333 ETSK, this calculation with an estimated price of 1 Eth

Rp.3,500,000 with ICO pricing through a smart contract Rp. 1,500 / ETSK. The amount of ETSK to be obtained will depend on the Ethereum price at the time of purchase.

After completing the smart contract period on the ethereum platform, the price of 1 ETSK is then followed by the market mechanism with a minimum selling price of Rp. 1,200, with a certain algorithm calculation.

4. Staking begins (July 2020)
Staking ETSK starts immediately, after the initial stages of registration and verification of the users are running. Staking is done with several contract packages, including:
a. 3 Months Staking with 0.3% reward / Day or 9% / Month
b. 6 Months Staking with 0.4% reward / Day or 12% / Month
c. 12 months staking with 0.5% reward / day or 15% / month
When a user stakes a token, the submitted token will be frozen so that the function will continue and will be returned when the contract period is over.

5. Launching PPOB ETSK (August 2020)

Payment Points Online Bank (PPOB) ETSK, as a utility this product will be opened in August 2020. The way it works is that on the myetsk platform there is a IDR wallet that will be integrated with the IDR deposit in the PPOB ETSK application on the user's smart phone. Users can sell ETSK instantly on the IDR conversion menu and can use it for any purchases and payments.

ETSK is partnering with PPOB vendors who already have legality and integrity in their fields. Get multiple benefits from reward staking and PPOB product sales rewards.

6. Global Market Listing (September 2020)
ETSK is coming soon to global exchangers both centralized and centralized. In the initial stage, it is targeted that ETSK can be traded on ForkDelta and EtherMium. Both of these platforms are well-known in the world ethereum community. Almost all ERC20-based tokens are traded on the two exchanges, giving ETSK space to be accepted by the world community.

ETSK also listings in the local Indonesian market by pairing it against Bitcoin (BTC) and Rupiah (IDR).

7. Launching the ETSK Merchine (September 2020)
Merchant ETSK started, merchants both goods and services can offer their products here. Users can also use their staking IDR to buy anything on this platform. There will be many products and services which are all run with internet technology and secure payment systems.

ETSK will partner with Merchine which already has a high legality and application network. There will be many opportunities for both users and traders.

8. ETSK at Coinmarketcap (January 2021)
As a trusted provider of information for all types of cryptocurrency in the world, coin marketcap is an indicator of trust in a coin or token created. By fulfilling the requirements specified by ETSK in the value of being able to fulfill it all.

G. Our Partners

1. IT companies that master web platform technology and blockchain technology and integrated internet networks.

2. An online payment provider company that has an operating license according to Indonesian government regulations.

3. Merchaind provider companies that already have operational licenses according to Indonesian government regulations.

4. Affiliated exchangers who have formed in various regions in Indonesia.

5. Traders from small and medium businesses in Indonesia.

H. Community

Our community is cryptocurrency activists called Indragiri Community, already formed and spread in various regions in Indonesia as many as 3,500 people and even more.

I. Team

Our team is cryptocurrency activists and IT practitioners who are experienced in the blockchain industry. Consists of programming, community networking, administration and finance, and business development.

J. Risk Disclaimer

ETSK is a digital asset for all members of the community. Before buying ETSK, you must ensure knowledge of cryptocurrency and prepare supporting devices such as computers and Android connected to the internet. ETSK prices fluctuate depending on the market scenario. Enjoy unlimited service and convenience from ETSK. "

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