



Cryptocurrency **FORENSICS**

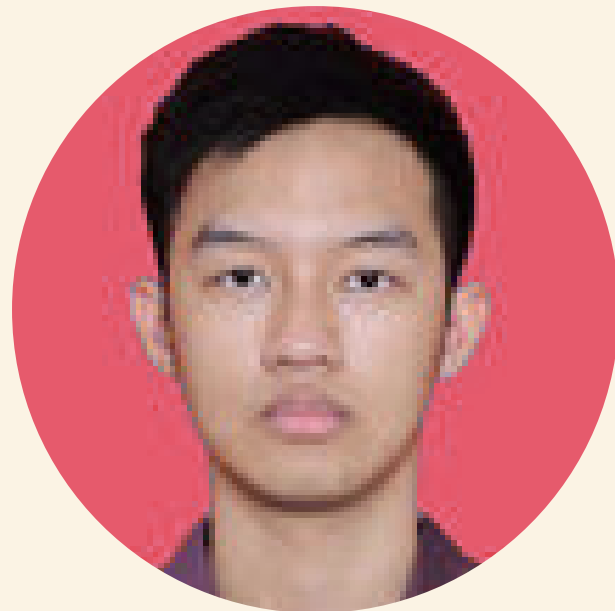
BLOCKCHAIN



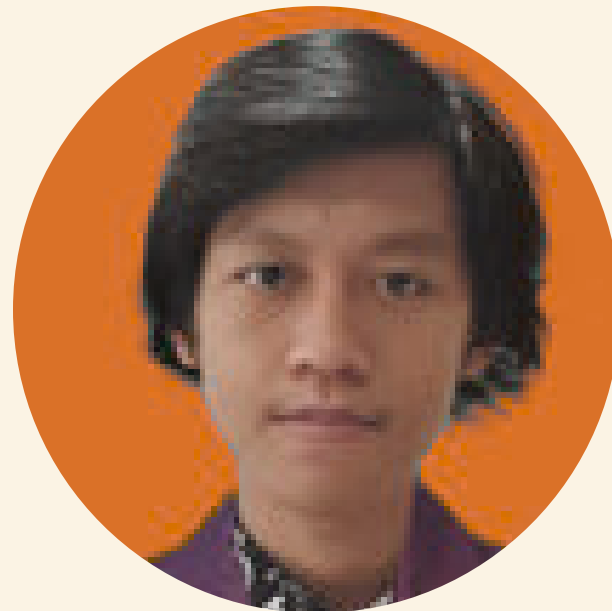
Anggota **KELOMPOK**



CHRISTINA
2502004235



HUGO
2501997016



MADE
2502005723



JONATHAN
2501986611



MAX
2502011360

CRYPTOCURRENCY

Mata uang digital yang sistem pengamanannya menggunakan **kriptografi**. Didesain untuk beroperasi secara terdesentralisasi menggunakan teknologi **blockchain**

+ FORENSICS?

Bidang investigasi digital yang **menyelidiki pergerakan** transaksi dan jejak digital yang ditinggalkan oleh user cryptocurrency. Tujuannya untuk **mengungkap tindakan kriminal** seperti pencucian uang, penipuan, dll yang melibatkan penggunaan cryptocurrency

PROSES FORENSIC CRYPTO

1



DATA GATHERING

Mengumpulkan data-data yang bersangkutan.
Biasanya berisi block data, transaction data, dan metadata lain.

2



DATA ANALYSIS

Data yang sudah dikumpulkan akan dianalisis untuk menemukan pola dan hubungan antara transaksi.

3



VISUALIZATION OF RESULTS

Penggambaran dari hasil data analysis yang didapatkan agar lebih mudah dipahami

4



EVIDENCE PRESENTATION

Menyediakan atau menyusun bukti terkait hasil dari analysis yang telah dilakukan yang dapat diterima di persidangan.

Crypto Forensic TOOLS

BLOCKCHAIN EXPLORER

Memeriksa transaksi serta alamat blockchain untuk berbagai kripto seperti Bitcoin, Ethereum, dan lainnya.

Contoh:

Blockchair, Blockchain.info, Etherscan

SOFTWARE WALLETS

Mengakses transaksi dan riwayat saldo dalam suatu alamat kripto. Ini dapat membantu dalam menganalisis jejak digital.

Contoh:

Electrum, MyEtherWallet

NODE SOFTWARE

Menjalankan simpul blockchain penuh dan melakukan analisis lebih mendalam pada tingkat jaringan.

Contoh:
Bitcoin Core, Geth

EXTRACTION DATA

Membantu ekstraksi data dan pemulihan kunci privat.

Contoh:
forensic etl, btcrecover

CRYPTOCURRENCY FORENSICS SERVICES

Menyediakan layanan analisis forensik blockchain profesional yang digunakan oleh lembaga penegak hukum, pertukaran kripto, dan organisasi lainnya

Contoh:
Chainalysis, CipherTrace, Coinfirm

ANALYSIS TOOL: BLOCK EXPLORER



Block Explorer?

Situs web yang memungkinkan pengguna untuk ***mencari informasi*** seputar transaksi crypto yang dilakukan di ***Blockchain***.

Contoh Web:

Bitcoin <u>btc.com</u>			Avalanche <u>snowtrace.io</u>
Ethereum <u>etherscan.io</u>			Arbitrum <u>arbiscan.io</u>
Binance <u>bscscan.com</u>			Polygon (Matic) <u>polygonscan.com</u>
Solana <u>solscan.io</u>			All-in-one scanners <u>blockchain.com/explorer</u>



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Bagikan

91.443 x ditonton 27 Feb 2021

In this video I show you a common way that bitcoin transactions can be traced, and some methods to avoid your transactions being traced.

view bitcoin transaction history visually <https://oxt.me/>

🇧🇮 🇵🇸 💰 Help Support the Channel by Donating Crypto 💰 🇵🇸 🇧🇮

Monero

45F2bNHVcRzXVBsvZ5giyvKGAgm6LFhMsjUUVPTetdgJJ5SNyxzSNUmFSBR5qCCWLpjiUjYMkmZoX9b3cChNjvxR7kvh436

Bitcoin

3MMKHXPQrGHEsmdHaAGD59FWWhKFGGeUsAxV

Ethereum

0xeA4DA3F9BAb091Eb86921CA6E41712438f4E5079

TARGET WALLET

ETH Price: \$1,553.84 (-0.15%)

Gas: 6 Gwei

Etherscan

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The Ethereum Blockchain Explorer

All Filters

0xeA4DA3F9BA091Eb86921CA6E41712438f4E5079

Ad

Featured: Elevate your website with curated name tags and labels in the all-new Metadata API. [Learn More.](#)

ETHER PRICE

\$1,553.84 @ 0.05777 BTC (-0.15%)

MARKET CAP

\$186,861,702,716.00

TRANSACTIONS

2,125.16 M (12.9 TPS)

LAST FINALIZED BLOCK

18356718

MED GAS PRICE

6 Gwei (\$0.20)

LAST SAFE BLOCK

18356750

TRANSACTION HISTORY IN 14 DAYS

1 040k

880k

Sep 30

Oct 7

Oct 14

Latest Blocks

18356797

16 secs ago

Fee Recipient Flashbots: Builder

154 txns in 12 secs

0.06778 Eth

18356796

28 secs ago

Fee Recipient Flashbots: Builder

167 txns in 12 secs

0.11186 Eth

18356795

40 secs ago

Fee Recipient rsync-builder

178 txns in 12 secs

0.05819 Eth

18356794

52 secs ago

Fee Recipient 0xfe4D2c...e0e91a7f

0.01298 Eth

Latest Transactions

0x8a25d91159e5...

16 secs ago

From 0xDAFEA4...92c98Bc5

To 0xA0b319...D46c3122

0.22243 Eth

0xb04274903b19f...

16 secs ago

From 0x9EfC04...8c33edAd

To 0x5968Ad...52585ED4

0 Eth

0x551bcd82a4d0...

16 secs ago

From 0x1c8F6A...36b2775A

To 0xA69bab...2056e78C

0 Eth

0xedb4ad93fb4e5...

From 0x179F28...825fc605

0.35238 Eth

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Got it!

MENCARI TARGET WALLET DI ETHERSCAN.IO

ETH Price: \$1,554.12 (-0.13%)
Gas: 7 Gwei

Search by Address / Txn Hash / Block / Token / Domain Name

Etherscan

HomeBlockchainTokensNFTsResourcesDevelopersMoreSign In

Address 0xeA4DA3F9BAb091Eb86921CA6E41712438f4E5079

BuyExchangePlayGaming

Overview

ETH BALANCE
0.008909692794972865 ETH

ETH VALUE
\$13.85 (@ \$1,554.12/ETH)

TOKEN HOLDINGS
\$0.55 (2 Tokens)

More Info

PRIVATE NAME TAGS
+ Add

LAST TXN SENT
0x6dfaa1d5809db... from 185 days 16 hrs ago

FIRST TXN SENT
0x81141e4fa5d9a... from 1081 days 20 hrs ago

Multi Chain

MULTICHAIN ADDRESSES
8 addresses found via Blockscan

Transactions

Internal TransactionsToken Transfers (ERC-20)AnalyticsComments

Latest 25 from a total of 54 transactions

Advanced Filter

Transaction Hash	Method	Block	Age	From	To	Value	Txn Fee
0x8c8941382f22dfe9d...	Transfer	17784592	80 days 2 hrs ago	0xA2373F...Eb3cfAd1	0xeA4DA3...8f4E5079	0.00135609 ETH	0.00062092
0x27019b9371c1d3dc...	Transfer	17545138	113 days 17 hrs ago	0xd1D2cb...36e256C3	0xeA4DA3...8f4E5079	0.007 ETH	0.00035548
0x6dfaa1d5809db6ea8...	Transfer	17035177	185 days 16 hrs ago	0xeA4DA3...8f4E5079	Coinbase 10	0.05116024 ETH	0.0005415
0xd8fe68a248f8c28c0...	Transfer	17031522	186 days 4 hrs ago	0x8fb20a...b7B9D687	0xeA4DA3...8f4E5079	0.05 ETH	0.00040362
0x59899b108d8008f...						0.001999 ETH	0.0004773

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ETH Price: \$1,554.12 (-0.13%)

Gas: 7 Gwei

Search by Address / Txn Hash / Block / Token / Domain Name

/

Transactions

Internal Transactions

Token Transfers (ERC-20)

Analytics

Comments

Latest 25 from a total of 54 transactions

Advanced Filter

Transaction Hash	Method	Block	Age	From	To	Value	Txn Fee
<div><div></div><div>0x8c8941382f22dfe9d...</div></div>	Transfer	17784592	80 days 2 hrs ago	<div><div>0xA2373F...Eb3cfAd1</div><div></div></div>	<div><div>IN</div><div>0xeA4DA3...8f4E5079</div><div></div></div>	0.00135609 ETH	0.00062092
<div><div></div><div>0x27019b9371c1d3dc...</div></div>	Transfer	17545138	113 days 17 hrs ago	<div><div>0xd1D2cb...36e256C3</div><div></div></div>	<div><div>IN</div><div>0xeA4DA3...8f4E5079</div><div></div></div>	0.007 ETH	0.00035548
<div><div></div><div>0x6dfaa1d5809db6ea8...</div></div>	Transfer	17035177	185 days 16 hrs ago	<div><div>0xeA4DA3...8f4E5079</div><div></div></div>	<div><div>OUT</div><div>Coinbase 10</div><div></div></div>	0.05116024 ETH	0.0005415
<div><div></div><div>0xd8fe68a248f8c28c0...</div></div>	Transfer	17031523	186 days 4 hrs ago	<div><div>0x8fb20a...b7B9D687</div><div></div></div>	<div><div>IN</div><div>0xeA4DA3...8f4E5079</div><div></div></div>	0.05 ETH	0.00040362
<div><div></div><div>0x59899b108d8008f3...</div></div>	Transfer	16816419	216 days 12 hrs ago	<div><div>0xc7C939...155B709c</div><div></div></div>	<div><div>IN</div><div>0xeA4DA3...8f4E5079</div><div></div></div>	0.00131999 ETH	0.0004773
<div><div></div><div>0x00d9cebc70cafb7d...</div></div>	Transfer	16542033	255 days 21 mins ago	<div><div>0xeA4DA3...8f4E5079</div><div></div></div>	<div><div>OUT</div><div>Coinbase 10</div><div></div></div>	0.01437836 ETH	0.00074224
<div><div></div><div>0x0c45c9c9da7885bd...</div></div>	Transfer	15703627	372 days 2 hrs ago	<div><div>0xeA4DA3...8f4E5079</div><div></div></div>	<div><div>OUT</div><div>Coinbase 13</div><div></div></div>	0.00400193 ETH	0.00012205
<div><div></div><div>0xcc8bed2442a5838fe...</div></div>	Transfer	15703624	372 days 2 hrs ago	<div><div>0x661d26...67140a49</div><div></div></div>	<div><div>IN</div><div>0xeA4DA3...8f4E5079</div><div></div></div>	0.004 ETH	0.00011822
<div><div></div><div>0x45e51fd4899c7f1ca...</div></div>	Transfer	15349730	425 days 13 hrs ago	<div><div>0xeA4DA3...8f4E5079</div><div></div></div>	<div><div>OUT</div><div>Coinbase 10</div><div></div></div>	0.00257113 ETH	0.00032626
<div><div></div><div>0x6d2fb6dcd04da1bd0...</div></div>	Transfer	15349722	425 days 13 hrs ago	<div><div>0x3C18BD...70CcAE89</div><div></div></div>	<div><div>IN</div><div>0xeA4DA3...8f4E5079</div><div></div></div>	0.0029 ETH	0.00024745
<div><div></div><div>0xae0b2a7e265cb45e...</div></div>	Transfer	15069338	469 days 4 hrs ago	<div><div>0xeA4DA3...8f4E5079</div><div></div></div>	<div><div>OUT</div><div>Coinbase 5</div><div></div></div>	0.01931705 ETH	0.00044166
<div><div></div><div>0x66f0336682a0e3ac2...</div></div>	Transfer	15069332	469 days 4 hrs ago	<div><div>Coinbase 5</div><div></div></div>	<div><div>IN</div><div>0xeA4DA3...8f4E5079</div><div></div></div>	0.0189 ETH	0.00037079
<div><div></div><div>0x10a5430790694ef5e...</div></div>	Transfer	14896728	499 days 4 hrs ago	<div><div>0xeA4DA3...8f4E5079</div><div></div></div>	<div><div>OUT</div><div>Coinbase: Miscellaneo...</div><div></div></div>	0.00415093 ETH	0.00096894
<div><div></div><div>0x27422a2256789a6...</div></div>						7877 ETH	0.00154569


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COMPUTER FORENSICS

INFORMASI MASUK DAN KELUAR ETHERIUM DARI TARGET WALLET

Page 11 of 15


Featured: Wallet-to-wallet instant messaging via  [Blockscan Chat!](#)

Overview

State

Comments

More ▾

Transaction Hash: 0x8c8941382f22dfe9df0940ff26f629921cfa316127400b95551542ea24906853 

Status: Success

Block: 17784592 572250 Block Confirmations

Timestamp: 80 days 2 hrs ago (Jul-27-2023 01:07:11 PM +UTC) | Confirmed within 8 secs

Transaction Action: Transfer 0.00135609681168 ETH To 0xeA4DA3...8f4E5079

Sponsored:

From: 0xA2373FCE6cD5eeF832E550ca67999b50Eb3cfAd1 

To: 0xeA4DA3F9BAAb091Eb86921CA6E41712438f4E5079 

Value: 0.00135609681168 ETH \$2.11

Transaction Fee: 0.000620921903406 ETH \$0.97

Gas Price: 29.567709686 Gwei (0.000000029567709686 ETH)

More Details: [+ Click to show more](#)

Private Note: To access the **Private Note** feature, you must be [Logged In](#)

 A transaction is a cryptographically signed instruction that changes the blockchain state. Block explorers track the details of all transactions in the network. Learn more about transactions in our [Knowledge Base](#).

Transactions

Internal Transactions

Token Transfers (ERC-20)

Analytics

Comments

Latest 25 from a total of 54 transactions

Advanced Filter



Transaction Hash	Method	Block	Age	From	To	Value	Txn Fee
0x8c8941382f22dfe9d...	Transfer	17784592	80 days 2 hrs ago	0xA2373F...Eb3cfAd1	IN 0xA4DA3...8f4E5079	0.00135609 ETH	0.00062092
0x27019b9371c1d3dc...	Transfer	17545138	113 days 17 hrs ago	0xd1D2cb...36e256C3	IN 0xA4DA3...8f4E5079	0.007 ETH	0.00035548
0x6dfaa1d5809db6ea8...	Transfer	17035177	185 days 16 hrs ago	0xA4DA3...8f4E5079	OUT Coinbase 10	0.05116024 ETH	0.0005415
0xd8fe68a248f8c28c0...	Transfer	17031523	186 days 4 hrs ago	0x8fb20a...b7B9D687	IN 0xA4DA3...8f4E5079	0.05 ETH	0.00040362
0x59899b108d8008f3...	Transfer	16816419	216 days 12 hrs ago	0xc7C939...155B709c	IN 0xA4DA3...8f4E5079	0.00131999 ETH	0.0004773
0x00d9cebc70cafbf7d...	Transfer	16542033	255 days 21 mins ago	0xA4DA3...8f4E5079	OUT Coinbase 10	0.01437836 ETH	0.00074224
0x0c45c9c9da7885bd...	Transfer	15703627	372 days 2 hrs ago	0xA4DA3...8f4E5079	OUT Coinbase 13	0.00400193 ETH	0.00012205
0xcc8bed2442a5838fe...	Transfer	15703624	372 days 2 hrs ago	0x661d26...67140a49	IN 0xA4DA3...8f4E5079	0.004 ETH	0.00011822
0x45e51fd4899c7f1ca...	Transfer	15349730	425 days 13 hrs ago	0xA4DA3...8f4E5079	OUT Coinbase 10	0.00257113 ETH	0.00032626
0x6d2fb6dcd04da1bd0...	Transfer	15349722	425 days 13 hrs ago	0x3C18BD...70CcAE89	IN 0xA4DA3...8f4E5079	0.0029 ETH	0.00024745
0xae0b2a7e265cb45e...	Transfer	15069338	469 days 4 hrs ago	0xA4DA3...8f4E5079	OUT Coinbase 5	0.01931705 ETH	0.00044166
0x66f0336682a0e3ac2...	Transfer	15069332	469 days 4 hrs ago	Coinbase 5	IN 0xA4DA3...8f4E5079	0.0189 ETH	0.00037079
0x10a5430790694ef5e...	Transfer	14896728	499 days 4 hrs ago	0xA4DA3...8f4E5079	OUT Coinbase: Miscellaneo...	0.00415093 ETH	0.00096894
0x27422a2256789a6...	Transfer	14896728	499 days 4 hrs ago	0xA4DA3...8f4E5079	OUT Coinbase: Miscellaneo...	0.00415093 ETH	0.00096894
0x27422a2256789a6...	Transfer	14896728	499 days 4 hrs ago	0xA4DA3...8f4E5079	OUT Coinbase: Miscellaneo...	0.00415093 ETH	0.00096894

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ETH Price: \$1,554.38 (-0.09%)
Gas: 9 Gwei

Search by Address / Txn Hash / Block / Token / Domain Name

Etherscan

HomeBlockchainTokensNFTsResourcesDevelopersMoreSign In

Address 0xA2373FCE6cD5eeF832E550ca67999b50Eb3cfAd1

BuyExchangePlayGaming

Overview

ETH BALANCE
0 ETH

ETH VALUE
\$0.00

More Info

PRIVATE NAME TAGS
+ Add

LAST TXN SENT
0x8c8941382f22d... from 80 days 2 hrs ago

FIRST TXN SENT
0xed9da4f80cd40... from 365 days 8 hrs ago

Multi Chain

MULTICHAIN ADDRESSES
8 addresses found via Blockscan

BC.GAME + 760% DEPOSIT BONUS

Transactions

Token Transfers (ERC-20)AnalyticsComments

Latest 12 from a total of 12 transactions

Advanced Filter

Transaction Hash	Method	Block	Age	From	To	Value	Txn Fee
0x8c8941382f22dfe9d...	Transfer	17784592	80 days 2 hrs ago	0xA2373F...Eb3cfAd1	OUT 0xeA4DA3...8f4E5079	0.00135609 ETH	0.00062092
0x297a6d789ee08882f...	Transfer	17310480	146 days 18 hrs ago	0xA2373F...Eb3cfAd1	OUT 0x61B897...2515ca19	0.002 ETH	0.00070356
0x39ceaf10a1ca27f6e...	Transfer	17308982	146 days 23 hrs ago	0xA2373F...Eb3cfAd1	OUT 0x30053C...34eaC865	0.0041 ETH	0.00103524
0x060fda723063112e4...	Transfer	17308733	147 days 15 mins ago	0xA2373F...Eb3cfAd1	OUT 0x42e0ab...207E7D08	0.0043 ETH	0.00075532
0x969b6b1aacf9cc6bc...	Transfer	17307426	147 days 4 hrs ago	0xA2373F...Eb3cfAd1	OUT 0xf614ba...51E936Ea	0.0001 ETH	0.00057692

Thank You
TERIMA KASIH