



# Audit Report

## **JOKE Community**

December 2021

Type           BEP20

Address       0x2df0c13487efdf4eb7f6c042273b7aca781b29a0

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## Contract Review

|                         |                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Contract Name</b>    | JOKECOMMUNITY                                                                                                                                           |
| <b>Compiler Version</b> | v0.6.12+commit.27d51765                                                                                                                                 |
| <b>Optimization</b>     | 200 runs                                                                                                                                                |
| <b>Licence</b>          | None                                                                                                                                                    |
| <b>Explorer</b>         | <a href="https://bscscan.com/token/0x2df0c13487efdf4eb7f6c042273b7aca781b29a0">https://bscscan.com/token/0x2df0c13487efdf4eb7f6c042273b7aca781b29a0</a> |
| <b>Symbol</b>           | JOKE                                                                                                                                                    |
| <b>Decimals</b>         | 9                                                                                                                                                       |
| <b>Total Supply</b>     | 7,350,000,000                                                                                                                                           |
| <b>Website</b>          | <a href="https://joke.community/">https://joke.community/</a>                                                                                           |

## Audit Updates

|                      |                       |
|----------------------|-----------------------|
| <b>Initial Audit</b> | 8th of December 2021  |
| <b>Corrected</b>     | 12th of December 2021 |

# Contract Analysis

| Pass | Resolved | Description                                                                                                       |
|------|----------|-------------------------------------------------------------------------------------------------------------------|
| ✓    |          | Contract Owner is not able to mint new tokens                                                                     |
| ✗    | ✓        | Contract Owner is not able to burn tokens from specific wallets                                                   |
| ✗    | ✓        | Contract Owner is not able to increase fees more than a reasonable percent (25%)                                  |
| ✗    | ✓        | Contract Owner is not able to stop or pause transactions                                                          |
| ✓    |          | Contract Owner is not able to transfer tokens from specific address                                               |
| ✓    |          | Contract Owner is not able to increase the amount of liquidity taken by dev wallet more than a reasonable percent |
| ✓    |          | Contract Owner is not able to blacklist wallets from selling                                                      |
| ✓    |          | Liquidity Pool is locked                                                                                          |

## ST - Stop Transactions with Locked Flag

|                    |                                                                                                                                                                                   |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Criticality</b> | high                                                                                                                                                                              |
| <b>Location</b>    | <a href="https://bscscan.com/address/0x2df0c13487efdf4eb7f6c042273b7aca781b29a0#code#L1234">https://bscscan.com/address/0x2df0c13487efdf4eb7f6c042273b7aca781b29a0#code#L1234</a> |
| <b>Status</b>      | Resolved                                                                                                                                                                          |

### Description

The contract owner has the authority to stop transactions. The owner may take advantage of it by setting the `locked` to zero.

```
function transferLock() public onlyOwner {  
    locked = true;  
}
```

### Recommendation

The team should carefully manage the private keys of the owner's account. We strongly recommend a powerful security mechanism that will prevent a single user from accessing the contract admin functions. That risk can be prevented by temporarily locking the contract or renouncing ownership.

### Resolved

The team locked the contract and has no longer access to owner functions. The contract will be locked until 10 January 2022

<https://bscscan.com/tx/0x7bd85dd8c8c7c77a52d0e49c10a7044c5a9296606b8383d85f30a785d897da69>

## ST - Stop Transactions with Max Amount

|                    |                                                                                                                                                                                   |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Criticality</b> | high                                                                                                                                                                              |
| <b>Location</b>    | <a href="https://bscscan.com/address/0x2df0c13487efdf4eb7f6c042273b7aca781b29a0#code#L1063">https://bscscan.com/address/0x2df0c13487efdf4eb7f6c042273b7aca781b29a0#code#L1063</a> |
| <b>Status</b>      | Resolved                                                                                                                                                                          |

### Description

The contract owner has the authority to stop transactions for all users excluding the owner. The owner may take advantage of it by setting the `_maxTxAmount` to zero.

```
if(from != owner() && to != owner())  
    require(amount <= _maxTxAmount, "Transfer amount exceeds the maxTxAmount.");
```

### Recommendation

The team should carefully manage the private keys of the owner's account. We strongly recommend a powerful security mechanism that will prevent a single user from accessing the contract admin functions. That risk can be prevented by temporarily locking the contract or renouncing ownership.

### Resolved

The team locked the contract and has no longer access to owner functions. The contract will be locked until 10 January 2022

<https://bscscan.com/tx/0x7bd85dd8c8c7c77a52d0e49c10a7044c5a9296606b8383d85f30a785d897da69>

## BT - Burn Tokens

|                    |                                                                                                                                                                                   |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Criticality</b> | high                                                                                                                                                                              |
| <b>Location</b>    | <a href="https://bscscan.com/address/0x2df0c13487efdf4eb7f6c042273b7aca781b29a0#code#L1228">https://bscscan.com/address/0x2df0c13487efdf4eb7f6c042273b7aca781b29a0#code#L1228</a> |
| <b>Status</b>      | Resolved                                                                                                                                                                          |

### Description

The contract owner has the authority to burn tokens from a specific address. The owner may take advantage of it by calling the `burn` function. As a result the targeted contract address will lose the corresponding tokens.

```
function burn(address _from, uint256 _amount) public onlyOwner {  
    _burn(_from, _amount);  
}
```

### Recommendation

The owner should carefully manage the credentials of the owner's account. We advised considering an extra-strong security mechanism that the actions may be quarantined by many users instead of one. The owner could also renounce the contract ownership for a period of time or pass the access to the zero address.

### Resolved

The team locked the contract and has no longer access to owner functions. The contract will be locked until 10 January 2022

<https://bscscan.com/tx/0x7bd85dd8c8c7c77a52d0e49c10a7044c5a9296606b8383d85f30a785d897da69>



## UIF - Unlimited Increase Fees

|                    |                                                                                                                                                                                                           |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Criticality</b> | high                                                                                                                                                                                                      |
| <b>Location</b>    | <a href="https://bscscan.com/address/0x2df0c13487efdf4eb7f6c042273b7aca781b29a0#code#L1008,L1014,L1020">https://bscscan.com/address/0x2df0c13487efdf4eb7f6c042273b7aca781b29a0#code#L1008,L1014,L1020</a> |
| <b>Status</b>      | Resolved                                                                                                                                                                                                  |

### Description

The contract owner has the authority to increase fees without limit. The owner may take advantage of it by calling the `setTaxFee` function with a high percentage value.

```
function setTaxFee(uint256 _newTaxFee) public onlyOwner {  
    require(_newTaxFee != 0, "newTaxFee can not be Zero amount");  
    _taxFee = _newTaxFee;  
    _previousTaxFee = _taxFee;  
}
```

### Recommendation

The contract could embody a check for the maximum acceptable value.

The team should carefully manage the private keys of the owner's account. We strongly recommend a powerful security mechanism that will prevent a single user from accessing the contract admin functions. That risk can be prevented by temporarily locking the contract or renouncing ownership.

### Resolved

The team locked the contract and has no longer access to owner functions. The contract will be locked until 10 January 2022

<https://bscscan.com/tx/0x7bd85dd8c8c7c77a52d0e49c10a7044c5a9296606b8383d85f30a785d897da69>

## Contract Diagnostics

| Pass | Name                            |
|------|---------------------------------|
| ✓    | Integer Underflow               |
| ✓    | Parity Multisig Bug             |
| ✓    | Callstack Depth Attack          |
| ✓    | Transaction-Ordering Dependency |
| ✓    | Timestamp Dependency            |
| ✓    | Re-Entrancy                     |

# Contract Functions

| Contract | Type          | Bases      |            |           |
|----------|---------------|------------|------------|-----------|
|          | Function Name | Visibility | Mutability | Modifiers |
|          |               |            |            |           |
| IERC20   | Interface     |            |            |           |
|          | totalSupply   | External   |            | -         |
|          | balanceOf     | External   |            | -         |
|          | transfer      | External   | ✓          | -         |
|          | allowance     | External   |            | -         |
|          | approve       | External   | ✓          | -         |
|          | transferFrom  | External   | ✓          | -         |
|          |               |            |            |           |
| SafeMath | Library       |            |            |           |
|          | add           | Internal   |            |           |
|          | sub           | Internal   |            |           |
|          | sub           | Internal   |            |           |
|          | mul           | Internal   |            |           |
|          | div           | Internal   |            |           |

|         |                        |          |   |  |
|---------|------------------------|----------|---|--|
|         | div                    | Internal |   |  |
|         | mod                    | Internal |   |  |
|         | mod                    | Internal |   |  |
|         |                        |          |   |  |
| Context | Implementation         |          |   |  |
|         | _msgSender             | Internal |   |  |
|         | _msgData               | Internal |   |  |
|         |                        |          |   |  |
| Address | Library                |          |   |  |
|         | isContract             | Internal |   |  |
|         | sendValue              | Internal | ✓ |  |
|         | functionCall           | Internal | ✓ |  |
|         | functionCall           | Internal | ✓ |  |
|         | functionCallWithValue  | Internal | ✓ |  |
|         | functionCallWithValue  | Internal | ✓ |  |
|         | _functionCallWithValue | Private  | ✓ |  |
|         |                        |          |   |  |
| Ownable | Implementation         | Context  |   |  |
|         |                        | Internal | ✓ |  |

|                   |                   |          |   |           |
|-------------------|-------------------|----------|---|-----------|
|                   | owner             | Public   |   | -         |
|                   | renounceOwnership | Public   | ✓ | onlyOwner |
|                   | transferOwnership | Public   | ✓ | onlyOwner |
|                   | geUnlockTime      | Public   |   | -         |
|                   | lock              | Public   | ✓ | onlyOwner |
|                   | unlock            | Public   | ✓ | -         |
|                   |                   |          |   |           |
| Roles             | Library           |          |   |           |
|                   | add               | Internal | ✓ |           |
|                   | remove            | Internal | ✓ |           |
|                   | has               | Internal |   |           |
|                   |                   |          |   |           |
| IUniswapV2Factory | Interface         |          |   |           |
|                   | feeTo             | External |   | -         |
|                   | feeToSetter       | External |   | -         |
|                   | getPair           | External |   | -         |
|                   | allPairs          | External |   | -         |

|                |                  |          |   |   |
|----------------|------------------|----------|---|---|
|                | allPairsLength   | External |   | - |
|                | createPair       | External | ✓ | - |
|                | setFeeTo         | External | ✓ | - |
|                | setFeeToSetter   | External | ✓ | - |
|                |                  |          |   |   |
| IUniswapV2Pair | Interface        |          |   |   |
|                | name             | External |   | - |
|                | symbol           | External |   | - |
|                | decimals         | External |   | - |
|                | totalSupply      | External |   | - |
|                | balanceOf        | External |   | - |
|                | allowance        | External |   | - |
|                | approve          | External | ✓ | - |
|                | transfer         | External | ✓ | - |
|                | transferFrom     | External | ✓ | - |
|                | DOMAIN_SEPARATOR | External |   | - |
|                | PERMIT_TYPEHASH  | External |   | - |
|                | nonces           | External |   | - |

|                        |                      |          |   |   |
|------------------------|----------------------|----------|---|---|
|                        | permit               | External | ✓ | - |
|                        | MINIMUM_LIQUIDITY    | External |   | - |
|                        | factory              | External |   | - |
|                        | token0               | External |   | - |
|                        | token1               | External |   | - |
|                        | getReserves          | External |   | - |
|                        | price0CumulativeLast | External |   | - |
|                        | price1CumulativeLast | External |   | - |
|                        | kLast                | External |   | - |
|                        | burn                 | External | ✓ | - |
|                        | swap                 | External | ✓ | - |
|                        | skim                 | External | ✓ | - |
|                        | sync                 | External | ✓ | - |
|                        | initialize           | External | ✓ | - |
|                        |                      |          |   |   |
| IUniswapV2R<br>outer01 | Interface            |          |   |   |
|                        | factory              | External |   | - |
|                        | WETH                 | External |   | - |

|  |                              |          |         |   |
|--|------------------------------|----------|---------|---|
|  | addLiquidity                 | External | ✓       | - |
|  | addLiquidityETH              | External | Payable | - |
|  | removeLiquidity              | External | ✓       | - |
|  | removeLiquidityETH           | External | ✓       | - |
|  | removeLiquidityWithPermit    | External | ✓       | - |
|  | removeLiquidityETHWithPermit | External | ✓       | - |
|  | swapExactTokensForTokens     | External | ✓       | - |
|  | swapTokensForExactTokens     | External | ✓       | - |
|  | swapExactETHForTokens        | External | Payable | - |
|  | swapTokensForExactETH        | External | ✓       | - |
|  | swapExactTokensForETH        | External | ✓       | - |
|  | swapETHForExactTokens        | External | Payable | - |
|  | quote                        | External |         | - |
|  | getAmountOut                 | External |         | - |
|  | getAmountIn                  | External |         | - |
|  | getAmountsOut                | External |         | - |
|  | getAmountsIn                 | External |         | - |
|  |                              |          |         |   |



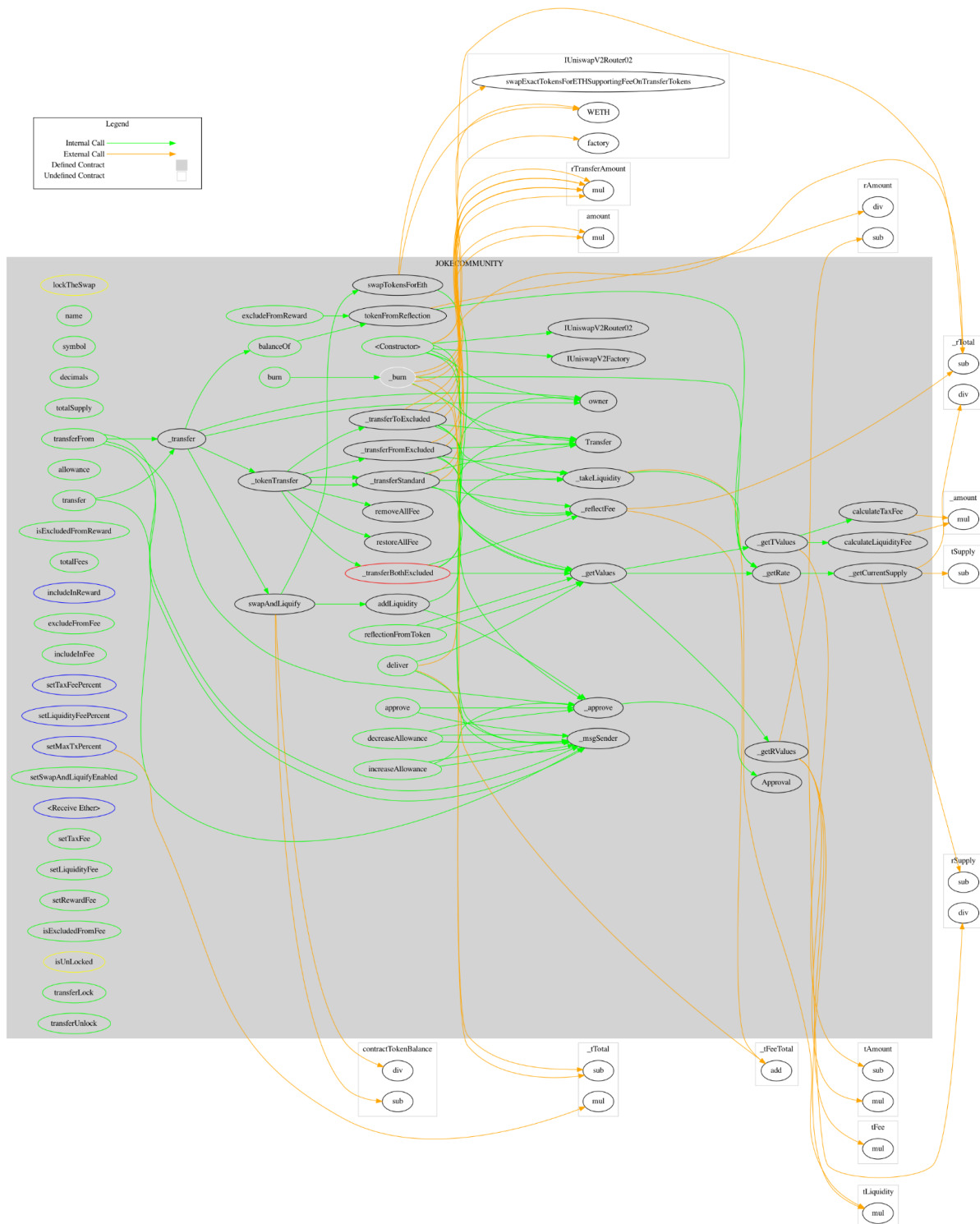
|                    |                                                           |                          |         |            |
|--------------------|-----------------------------------------------------------|--------------------------|---------|------------|
| IUniswapV2Router02 | Interface                                                 | IUniswapV2Router01       |         |            |
|                    | removeLiquidityETHSupportingFeeOnTransferTokens           | External                 | ✓       | -          |
|                    | removeLiquidityETHWithPermitSupportingFeeOnTransferTokens | External                 | ✓       | -          |
|                    | swapExactTokensForTokensSupportingFeeOnTransferTokens     | External                 | ✓       | -          |
|                    | swapExactETHForTokensSupportingFeeOnTransferTokens        | External                 | Payable | -          |
|                    | swapExactTokensForETHSupportingFeeOnTransferTokens        | External                 | ✓       | -          |
|                    |                                                           |                          |         |            |
| JOKECOMMUNITY      | Implementation                                            | Context, IERC20, Ownable |         |            |
|                    |                                                           | Public                   | ✓       | -          |
|                    | name                                                      | Public                   |         | -          |
|                    | symbol                                                    | Public                   |         | -          |
|                    | decimals                                                  | Public                   |         | -          |
|                    | totalSupply                                               | Public                   |         | -          |
|                    | balanceOf                                                 | Public                   |         | -          |
|                    | transfer                                                  | Public                   | ✓       | isUnlocked |

|  |                        |          |   |           |
|--|------------------------|----------|---|-----------|
|  | allowance              | Public   |   | -         |
|  | approve                | Public   | ✓ | -         |
|  | transferFrom           | Public   | ✓ | -         |
|  | increaseAllowance      | Public   | ✓ | -         |
|  | decreaseAllowance      | Public   | ✓ | -         |
|  | isExcludedFromReward   | Public   |   | -         |
|  | totalFees              | Public   |   | -         |
|  | deliver                | Public   | ✓ | -         |
|  | reflectionFromToken    | Public   |   | -         |
|  | tokenFromReflection    | Public   |   | -         |
|  | excludeFromReward      | Public   | ✓ | onlyOwner |
|  | includeInReward        | External | ✓ | onlyOwner |
|  | _transferBothExcluded  | Private  | ✓ |           |
|  | excludeFromFee         | Public   | ✓ | onlyOwner |
|  | includeInFee           | Public   | ✓ | onlyOwner |
|  | setTaxFeePercent       | External | ✓ | onlyOwner |
|  | setLiquidityFeePercent | External | ✓ | onlyOwner |

|  |                          |          |         |           |
|--|--------------------------|----------|---------|-----------|
|  | setMaxTxPercent          | External | ✓       | onlyOwner |
|  | setSwapAndLiquifyEnabled | Public   | ✓       | onlyOwner |
|  |                          | External | Payable | -         |
|  | _reflectFee              | Private  | ✓       |           |
|  | _getValues               | Private  |         |           |
|  | _getTValues              | Private  |         |           |
|  | _getRValues              | Private  |         |           |
|  | _getRate                 | Private  |         |           |
|  | _getCurrentSupply        | Private  |         |           |
|  | _takeLiquidity           | Private  | ✓       |           |
|  | calculateTaxFee          | Private  |         |           |
|  | calculateLiquidityFee    | Private  |         |           |
|  | setTaxFee                | Public   | ✓       | onlyOwner |
|  | setLiquidityFee          | Public   | ✓       | onlyOwner |
|  | setRewardFee             | Public   | ✓       | onlyOwner |
|  | removeAllFee             | Private  | ✓       |           |
|  | restoreAllFee            | Private  | ✓       |           |

|  |                       |          |   |             |
|--|-----------------------|----------|---|-------------|
|  | isExcludedFromFee     | Public   |   | -           |
|  | _approve              | Private  | ✓ |             |
|  | _transfer             | Private  | ✓ |             |
|  | swapAndLiquify        | Private  | ✓ | lockTheSwap |
|  | swapTokensForEth      | Private  | ✓ |             |
|  | addLiquidity          | Private  | ✓ |             |
|  | _tokenTransfer        | Private  | ✓ |             |
|  | _transferStandard     | Private  | ✓ |             |
|  | _transferToExcluded   | Private  | ✓ |             |
|  | _transferFromExcluded | Private  | ✓ |             |
|  | _burn                 | Internal | ✓ |             |
|  | burn                  | Public   | ✓ | onlyOwner   |
|  | transferLock          | Public   | ✓ | onlyOwner   |
|  | transferUnlock        | Public   | ✓ | onlyOwner   |

# Contract Flow



## Domain Info

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b>Domain Name</b>            | joke.community                                       |
| <b>Registry Domain ID</b>     | 1048b0babb1042baa72c537b2aa4aca9-DONUTS              |
| <b>Registrar WHOIS Server</b> | whois.joker.com                                      |
| <b>Registrar URL</b>          | http://joker.com                                     |
| <b>Updated Date</b>           | 2021-06-12T11:52:43Z                                 |
| <b>Creation Date</b>          | 2021-06-07T11:52:30Z                                 |
| <b>Registry Expiry Date</b>   | 2023-06-07T11:52:30Z                                 |
| <b>Registrar</b>              | CSL Computer Service Langenbach GmbH d/b/a Joker.com |
| <b>Registrar IANA ID</b>      | 113                                                  |

The domain was created six months before the creation of the audit. It will expire in about two years.

There is no public billing information, the creator is protected by the privacy settings.

# Summary

Joke is aiming to help comedians mint their jokes onto the blockchain as NFT's as well as run Virtual Comedy Clubs in the Metaverse. The contract analysis reported 3 critical issues. There are some functions that can be abused by the owner, like manipulating fees without limitations, stopping transactions and reducing the max amount of tokens a wallet can have without restrictions. A multi-wallet signing pattern or renouncing the ownership will eliminate all the contract threats. We verified that Simon Young is the founder of JOKE. Real names and people are raising the confidence and trust of the community.

## Update 12th of December 2021

Joke reviewed our comments and has renounced the ownership of the contract. Hence, the functions cannot be abused by anyone.

# Disclaimer

All the content provided in this document is for general information only and should not be used as a financial advice or a reason to buy any investment.

Coinscope team provides no guarantees against the sale of team tokens or the removal of liquidity by the project audited in this document. Always Do your own research and protect yourselves from being scammed.

Coinscope team has audited this project for general information and only expresses their opinion based on similar projects and checks from popular diagnostic tools. Under no circumstances did Coinscope receive a payment to manipulate those results or change the awarding badge that we will be adding in our website.

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Coinscope team disclaims any liability for the resulting losses.



## About Coinscope

Coinscope is the leading early coin listing, voting and auditing authority firm. The audit process is analyzing and monitoring many aspects of the project. That way, it gives the community a good sense of security using an informative report and a generic score.

Coinscope is aiming to make crypto discoverable and efficient globally. It provides all the essential tools to assist users draw their own conclusions.



The Coinscope.co team

<https://www.coinscope.co>