

# Smart Contract Audit

**FOR** 

X-AI

DATED: 26 August 23'



## MANUAL TESTING

**Centralization - Enabling Trades** 

Severity: High

function: enableTrading

Status: Open Overview:

The launch function permits only the contract owner to activate trading capabilities. Until this function is executed, no investors can buy, sell, or transfer their tokens. This places a high degree of control and centralization in the hands of the contract owner.

```
function enableTrading() external onlyOwner {
require(tradingEnabled == false, "Trading is already enabled");
tradingEnabled = true;
}
```

#### Suggestion

To reduce centralization and potential manipulation, consider one of the following approaches:

- 1. Automatically enable trading after a specified condition, such as the completion of a presale, is met.
- 2.If manual activation is still desired, consider transferring the ownership of the contract to a trustworthy, third-party entity like a certified "PinkSale Safu" developer. This can provide investors with more confidence in the eventual activation of trading capabilities, mitigating concerns of potential bad faith actions by the original owner.



# **AUDIT SUMMARY**

Project name - X-Al

Date: 24 August 2023

**Scope of Audit-** Audit Ace was consulted to conduct the smart contract audit of the solidity source codes.

**Audit Status: Passed With High Risk** 

#### **Issues Found**

| Status       | Critical | High | Medium | Low | Suggestion |
|--------------|----------|------|--------|-----|------------|
| Open         | 0        | 1    | 0      | 0   | 1          |
| Acknowledged | 0        | 0    | 0      | 0   | 0          |
| Resolved     | 0        | 0    | 0      | 0   | 0          |



# **USED TOOLS**

#### Tools:

#### 1- Manual Review:

A line by line code review has been performed by audit ace team.

2- BSC Test Network: All tests were conducted on the BSC Test network, and each test has a corresponding transaction attached to it. These tests can be found in the "Functional Tests" section of the report.

#### 3-Slither:

The code has undergone static analysis using Slither.

#### **Testnet version:**

The tests were performed using the contract deployed on the BSC Testnet, which can be found at the following address:

https://testnet.bscscan.com/token/0xBdCC83b975feb9 3060A255beb3AA0C05A046f502



# **Token Information**

#### **Token Address:**

0xF30153d8A69Afde3f7e41E009480a4D5f70fBb44

Name: X-Al

Symbol: XAI

Decimals: 18

**Network:** Binance smart chain

Token Type: BEP20

Owner: 0x6B71BC620DDc1EBFEAfE7d4D010bd1a858Fe4FF4

Deployer: 0x6B71BC620DDc1EBFEAfE7d4D010bd1a858Fe4FF4

Token Supply: 3,000,000

#### Checksum:

481a8c4dcb4665feeac96a69412e38db5afd3ae8

#### **Testnet version:**

The tests were performed using the contract deployed on the BSC Testnet, which can be found at the following address: https://testnet.bscscan.com/token/0xBdCC83b975feb93060A255beb3AA0C05A046f502



# **TOKEN OVERVIEW**

| buy fee: 0-20%       |  |
|----------------------|--|
| Sell fee: 0-20%      |  |
| transfer fee: 0%     |  |
| Fee Privilege: Owner |  |
| Ownership: Owned     |  |
| Minting: None        |  |
|                      |  |

## Blacklist: No

Max Tx: No

#### Other Privileges:

- Modifying fees
- Enabling trades
- Initial distribution of the tokens



# **AUDIT METHODOLOGY**

The auditing process will follow a routine as special considerations by Auditace:

- Review of the specifications, sources, and instructions provided to Auditace to make sure the contract logic meets the intentions of the client without exposing the user's funds to risk.
- Manual review of the entire codebase by our experts, which is the process of reading source code line-byline in an attempt to identify potential vulnerabilities.
- Specification comparison is the process of checking whether the code does what the specifications, sources, and instructions provided to Auditace describe.
- Test coverage analysis determines whether the test cases are covering the code and how much code isexercised when we run the test cases.
- Symbolic execution is analysing a program to determine what inputs cause each part of a program to execute.
- Reviewing the codebase to improve maintainability, security, and control based on the established industry and academic practices.



# **VULNERABILITY CHECKLIST**





# **CLASSIFICATION OF RISK**

#### Severity

- 🔷 Critical
- High-Risk
- Medium-Risk
- Low-Risk
- Gas Optimization
  /Suggestion

#### **Description**

These vulnerabilities could be exploited easily and can lead to asset loss, data loss, asset, or data manipulation. They should be fixed right away.

A vulnerability that affects the desired outcome when using a contract, or provides the opportunity to use a contract in an unintended way.

A vulnerability that could affect the desired outcome of executing the contract in a specific scenario.

A vulnerability that does not have a significant impact on possible scenarios for the use of the contract and is probably subjective.

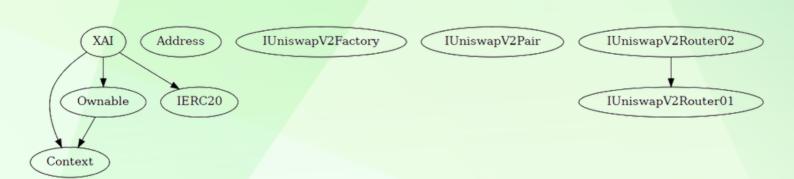
A vulnerability that has an informational character but is not affecting any of the code.

## **Findings**

| Severity   | Found |
|--|-------|
| <b>♦</b> Critical  | 0     |
| ♦ High-Risk  | 1     |
| ♦ Medium-Risk  | 0     |
| ♦ Low-Risk   | 0     |
| <ul><li>Gas Optimization /</li><li>Suggestions</li></ul> | 1     |



# **INHERITANCE TREE**





## **POINTS TO NOTE**

- Owner is able to adjust buy/sell fees within 0-20% (0% transfer fee)
- Owner is not able to blacklist an arbitrary wallet
- Owner is not able to disable trades
- Owner is not able to mint new tokens
- Owner is not able to set maximum wallet and maximum buy/sell/transfer limits
- Owner must enable trades manually



XAI.\_tTotal (contracts/Token.sol#530) should be immutable XAI.uniswapV2Pair (contracts/Token.sol#555) should be immutable

XAI.uniswapV2Router (contracts/Token.sol#554) should be immutable Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#state-variables-that-could-be-declared-immutable

INFO:Slither:./contracts/Token.sol analyzed (9 contracts with 88 detectors), 99 result(s) found

## STATIC ANALYSIS

```
Variable XAI._transferStandard(address,address,uint256).rTransferAmount (contracts/Token.sol#1089) is too similar to XAI._getTValues(uint256).tTransferAmount (contracts/Token.sol#021)
Variable XAI._transferBothExcluded(address,address,uint256).rTransferAmount (contracts/Token.sol#1157) is too similar to XAI._transferBothExcluded(address,address,uint256).tTransferAmount (contracts/Token.sol#1157)
 ontracts/Token.sol#1159)
 Variable XAI._getRValues(uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint2
 .
Variable XAI._transferStandard(address,address,uint256).rTransferAmount (contracts/Token.sol#1089) is too similar to XAI._transferToExcluded(address,address,uint256).tTransferAmount (contracts/Token.sol#1089) is too similar to XAI._transferAmount (contracts/Token.sol#1089) is to too similar to XAI._transferAmount (contracts/Token.sol#1089) is to too similar to XAI._transferAmount (contr
 ts/Token.sol#1113)
  Variable XAI._getRValues(uint256,uint256,uint256,uint256,uint256).rTransferAmount (contracts/Token.sol#836) is too similar to XAI._getTValues(uint256).tTransferAmount (contracts/Token.sol#82
 Variable XAI._getRValues(uint256,uint256,uint256,uint256,uint256,uint256).rTransferAmount (contracts/Token.sol#836) is too similar to XAI._transferToExcluded(address,address,uint256).tTransferAmount
    (contracts/Token.sol#1113)
 Variable XAI._transferFromExcluded(address,address,uint256).rTransferAmount (contracts/Token.sol#1134) is too similar to XAI._transferStandard(address,address,uint256).tTransferAmount (contracts/Token.sol#1134) is too similar to XAI._transferStandard(address,address,uint256).rTransferAmount (contracts/Token.sol#1134) is too similar to XAI._transferStandard(address,address,uint256).rtransferStandard(address,uint256).rtransferStandard(address,uint256).rtransferStandard(address,uint256).rtransferStandard(address,uint256).rtransferStandard(address,uint256).rtransferStandard(address,uint256).rtransferStandard(address,uint256).rtransferStandard(address,uint256).rtransferStandard(address,uint256).rtransferStandard(address,uint256).rtransferStandard(address,uint256).rtransferStandard(address,uint256).rtransferStandard(address,uint256).rtransferStandard(address,uint256).rtransferStandard(address,uint256).rtransferStandard(address,uint256).rtransferStandard(address,uint256).rtransferStandard(address,uint256).rtransferStandard(address,uint256).rtransferStandard(address
Variable XAI.reflectionFromToken(uint256,bool).rTransferAmount (contracts/Token.sol#792) is too similar to XAI._getValues(uint256).tTransferAmount (contracts/Token.sol#792) Variable XAI._transferFromExcluded(address,address,uint256).rTransferAmount (contracts/Token.sol#1134) is too similar to XAI._transferBothExcluded(address,address,uint256).tTransferAmount (contracts/Token.sol#1134) is too similar to XAI._transferBothExcluded(address,address,uint256).tTransferBothExcluded(address,address,uint256).tTransferBothExcluded(address,address,uint256).tTransferBothExcluded(address,address,uint256).tTransferBothExcluded(address,address,uint256).tTransferBothExcluded(address,address,uint256).tTransferBothExcluded(address,address,uint256).tTransferBothExcluded(address,address,uint256).tTransferBothExcluded(address,address,uint256).tTransferBothExcluded(address,address,uint256).tTransferBothExcluded(address,address,uint256).tTransferBothExcluded(address,uint256).tTransferBothExcluded(address,uint256).tTransferBothExcluded(address,uint256).tTransferBothExcluded(address,uint256).tTransferBothExcluded(address,uint256).tTransferBothExcluded(address,uint256).tTransferBothExcluded(address,uint256).tTransferBothExcluded(address,uint256).tTransferBothExcluded(a
 ontracts/Token.sol#1159)
Ontracts/Token.sol#1159)

Variable XAI.reflectionFromToken(uint256,bool).rTransferAmount (contracts/Token.sol#728) is too similar to XAI._getTValues(uint256).tTransferAmount (contracts/Token.sol#821)

Variable XAI._transferToExcluded(address,address,uint256).rTransferAmount (contracts/Token.sol#8111) is too similar to XAI._getTValues(uint256).tTransferAmount (contracts/Token.sol#821)

Variable XAI._transferToExcluded(address,address,uint256).rTransferAmount (contracts/Token.sol#1111) is too similar to XAI._getValues(uint256).tTransferAmount (contracts/Token.sol#792)

Variable XAI._transferToExcluded(address,address,uint256).rTransferAmount (contracts/Token.sol#1111) is too similar to XAI._transferToExcluded(address,address,uint256).tTransferAmount (contracts/Token.sol#1111)
 acts/Token.sol#1113)
  Variable XAI.reflectionFromToken(uint256,bool).rTransferAmount (contracts/Token.sol#728) is too similar to XAI._transferToExcluded(address,address,uint256).tTransferAmount (contracts/Token
 ol#1113)
 Variable XAI._transferFromExcluded(address,address,uint256).rTransferAmount (contracts/Token.sol#1134) is too similar to XAI._transferFromExcluded(address,address,uint256).tTransferAmount (contracts/Token.sol#1134)
 ontracts/Token.sol#1136)
 Variable XAI._getValues(uint256).rTransferAmount (contracts/Token.sol#797) is too similar to XAI._transferToExcluded(address,address,uint256).rTransferAmount (contracts/Token.sol#1113)
 Variable XAI_transferBothExcluded(address,address,uint256).rTransferAmount (contracts/Token.sol#792) is too similar to XAI_getValues(uint256).tTransferAmount (contracts/Token.sol#792)
Variable XAI._transferBothExcluded(address,address,uint256).TransferAmount (contracts/loken.sol#157) is too similar to XAI._getValues(uint256).tTransferAmount (contracts/Token.sol#321)

Variable XAI._transferBothExcluded(address,address,uint256).TransferAmount (contracts/Token.sol#157) is too similar to XAI._getTValues(uint256).tTransferAmount (contracts/Token.sol#321)

Variable XAI._getValues(uint256).TransferAmount (contracts/Token.sol#3797) is too similar to XAI._getValues(uint256).tTransferAmount (contracts/Token.sol#321)

Variable XAI._transferBothExcluded(address,address,uint256).TransferAmount (contracts/Token.sol#3797) is too similar to XAI._getValues(uint256).tTransferAmount (contracts/Token.sol#3797)

Variable XAI._transferBothExcluded(address,address,uint256).tTransferAmount (contracts/Token.sol#3797) is too similar to XAI._transferBothExcluded(address,address,uint256).tTransferAmount (contracts/Token.sol#3797)
 tracts/Token.sol#1113)
 Variable XAI._transferStandard(address,address,uint256).rTransferAmount (contracts/Token.sol#1089) is too similar to XAI._transferStandard(address,address,uint256).tTransferAmount (contracts
 /Token.sol#1091)
Variable XAI._getRValues(uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256).rTransferAmount (contracts/Token.sol#836) is too similar to XAI._transferStandard(address,address,uint256).tTransferAmount contracts/Token.sol#1091)
Variable XAI._transferFromExcluded(address,address,uint256).rTransferAmount (contracts/Token.sol#1134) is too similar to XAI._transferToExcluded(address,address,uint256).tTransferAmount (contracts/Token.sol#1134)
 Variable XAI._transferFromExcluded(address,address,uint256).rTransferAmount (contracts/Token.sol#792)
 Reference: https://github.com/crytic/slither/wiki/Detector-Docu
                                                                                                                                                                                                                         ntation#variable-n
 INFO:Detectors:
Loop condition 'i < _excluded.length' (contracts/Token.sol#848) should use cached array length instead of referencing 'length' member of the storage array. Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#cache-array-length
 INFO:Detectors:
 XAI.DEAD (contracts/Token.sol#552) should be constant
XAI._decimals (contracts/Token.sol#527) should be constant XAI._name (contracts/Token.sol#525) should be constant
 XAI._symbol (contracts/Token.sol#526) should be constant
                       nce: https://github.com/crytic/slither/wiki/Detector-Documentation#state-variables-that-could-be-declared-constant
 INFO:Detectors:
```

Result => A static analysis of contract's source code has been performed using slither,

No major issues were found in the output



```
| Contract | Type | Bases |
- **Function Name** | **Visibility** | **Mutability** | **Modifiers** |
111111
**Context** | Implementation | |||
| - | msgSender | Internal - | | |
HIIII
**Ownable** | Implementation | Context |||
└ | <Constructor> | Public ! | ● NO! |
111111
| **IERC20** | Interface | | | |
| └ | totalSupply | External ! | NO! |
| L | balanceOf | External | | NO | |
| └ | transfer | External | | ● |NO | |
| Lallowance | External | NO! |
| └ | transferFrom | External | | ● NO | |
111111
| **Address** | Library | | | |
| └ | isContract | Internal | 6 | | |
| └ | sendValue | Internal 🔒 | ● | |
| └ | functionCall | Internal 🔒 | ● | |
| └ | functionCall | Internal 🔒 | ● | |
| - | functionCallWithValue | Internal - | - | - | |
| - | functionCallWithValue | Internal | - | | - | |
| - | _functionCallWithValue | Private 🔐 | 🛑 | |
```



```
IIIIII
**IUniswapV2Factory** | Interface | | | |
| | feeTo | External | | NO ! |
| | | feeToSetter | External | | NO | |
| | getPair | External | | NO | |
| | allPairs | External | | NO | |
| - | setFeeTo | External ! | • | NO! |
| | setFeeToSetter | External | | | NO | |
IIIIII
**IUniswapV2Pair** | Interface | |||
| - | symbol | External | | | NO | |
| L | decimals | External | | NO | |
| L | totalSupply | External ! | NO! |
| L | balanceOf | External | | NO | |
| Lallowance | External ! | NO! |
| └ | transferFrom | External ! | ● NO! |
| L | DOMAIN_SEPARATOR | External ! | NO! |
| L | PERMIT_TYPEHASH | External ! | NO! |
| L | MINIMUM_LIQUIDITY | External ! | NO! |
| - | token0 | External | | | NO | |
| | token1 | External | | NO | |
| L | getReserves | External ! | NO! |
| | priceOCumulativeLast | External | | NO | |
| | price1CumulativeLast | External | ||NO | |
| - | initialize | External | | - | NO | |
```



```
**IUniswapV2Router01** | Interface | |||
| - | factory | External ! | NO! |
| | addLiquidity | External | | | NO | |
| | addLiquidityETH | External | | 1 1 1 NO | |
removeLiquidity | External ! | | NO! |
removeLiquidityETH | External ! | • | NO! |
removeLiquidityWithPermit | External ! | • | NO! |
removeLiquidityETHWithPermit | External ! | • | NO ! |
📗 🗀 | swapExactTokensForTokens | External 💄 | 🌑 | NO 📗 |
| | swapTokensForExactTokens | External | | | | NO | |
| - | swapExactETHForTokens | External | | 1 NO | |
| - | swapETHForExactTokens | External | | 1 NO | |
| L | getAmountOut | External | | NO | |
| L | getAmountIn | External ! | NO! |
| └ | getAmountsOut | External ! | |NO! |
| └ | getAmountsIn | External ! | |NO! |
HIIIII
| **IUniswapV2Router02** | Interface | IUniswapV2Router01 |||
│ └ | removeLiquidityETHSupportingFeeOnTransferTokens | External ! | ●
INO!
| - | removeLiquidityETHWithPermitSupportingFeeOnTransferTokens |
External | | • | NO | |
| - | swapExactTokensForTokensSupportingFeeOnTransferTokens | External
! | • |NO ! |
| | swapExactETHForTokensSupportingFeeOnTransferTokens | External |
| 💵 |NO 📗 |
| - | swapExactTokensForETHSupportingFeeOnTransferTokens | External |
| • |NO ! |
```



```
**XAI** | Implementation | Context, IERC20, Ownable |
| - | < Constructor > | Public ! | • | NO! |
| | name | Public | | | NO | |
| | symbol | Public | | NO | |
| | decimals | Public | | NO | |
| LotalSupply | Public ! | NO! |
| - | transfer | Public ! | | | NO! |
| | allowance | Public | | NO ! |
| - approve | Public ! | | NO! |
| - | transferFrom | Public ! | | | NO! |
| └ | decreaseAllowance | Public ! | ● |NO! |
| L | isExcludedFromReward | Public | | NO ! |
| L | totalReflectionDistributed | Public ! | NO! |
| - | reflectionFromToken | Public ! | | NO! |
| L | tokenFromReflection | Public | | NO | |
| - | excludeFromReward | Public ! | • onlyOwner |
| - | includeInReward | External ! | • | onlyOwner |
| └ | <Receive Ether> | External ! | ■ | NO! |
| └ | claimStuckTokens | External ! | ● | onlyOwner |
| └ | _reflectFee | Private 🔐 | ● | |
| └ | _getValues | Private 🔐 | | |
| └ | _getTValues | Private 🔐 | | |
| LagetRValues | Private | | | |
| - | _getRate | Private 🔐 | | |
| - | _getCurrentSupply | Private @ || |
| └ | _takeLiquidity | Private 🔐 | ● | |
| - | _takeMarketing | Private 🔐 | • | |
| └ | calculateTaxFee | Private 🔐 | | |
| - | calculateLiquidityFee | Private 2 | | |
| - | calculateMarketingFee | Private ? | | |
| └ | removeAllFee | Private 🔐 | ● | |
| └ | setSellFee | Private 🔐 | ● | |
| L | isExcludedFromFee | Public ! | NO! |
| └ | enableTrading | External ! | ● | onlyOwner |
```



#### ### Legend

```
| Symbol | Meaning |
|:-----|
| • | Function can modify state |
| • | Function is payable |
```



# **FUNCTIONAL TESTING**

1- Adding liquidity (passed):

https://testnet.bscscan.com/tx/0x277cc2d79a070de2bc153a5c2c2304cba 95dac87067b73695d8bfa01e361567b

2- Buying when excluded (0% tax) (passed):

https://testnet.bscscan.com/tx/0xbf674210ca5c7771399c1150f03f8facbf6 2ff42610be883b03eccdf52ef0e37

3- Selling when excluded (0% tax) (passed):

https://testnet.bscscan.com/tx/0xa0db1b353ae9dcbe60afd5e5a58538d5 901e69c7a5a410b7542fdeedc40f76e4

4- Transferring when excluded from fees (0% tax) (passed):

https://testnet.bscscan.com/tx/0x3c78e287b7f814889071e9ab9397913e1 5ff7919e66735ae740e4696e943a3b6

5- Buying when not excluded from fees (tax 0-20%) (passed):

https://testnet.bscscan.com/tx/0x51c8f3001de1f43459ed8af068a25ba62 3273deb6bd1ba330f373198f93966b4

6- Selling when not excluded from fees (tax 0-20%) (passed):

https://testnet.bscscan.com/tx/0xc9ac354729726984317084addd271644 8c073da9857a09fdf98335157526a53e

7- Transferring when not excluded from fees (0% tax) (passed):

https://testnet.bscscan.com/tx/0x182d4af4a1ecd4bcad0d816857b34e03c 38eb68221d97d0893845d2050ec1bdb

8- Internal swap (BNB set to marketing wallet | Auto-liquidity)(passed):

https://testnet.bscscan.com/tx/0xc9ac354729726984317084addd271644

8c073da9857a09fdf98335157526a53e



## MANUAL TESTING

**Centralization - Enabling Trades** 

Severity: High

function: enableTrading

Status: Open Overview:

The launch function permits only the contract owner to activate trading capabilities. Until this function is executed, no investors can buy, sell, or transfer their tokens. This places a high degree of control and centralization in the hands of the contract owner.

```
function enableTrading() external onlyOwner {
require(tradingEnabled == false, "Trading is already enabled");
tradingEnabled = true;
}
```

#### Suggestion

To reduce centralization and potential manipulation, consider one of the following approaches:

- 1. Automatically enable trading after a specified condition, such as the completion of a presale, is met.
- 2.If manual activation is still desired, consider transferring the ownership of the contract to a trustworthy, third-party entity like a certified "PinkSale Safu" developer. This can provide investors with more confidence in the eventual activation of trading capabilities, mitigating concerns of potential bad faith actions by the original owner.



Keep fees within 0-10%

## MANUAL TESTING

```
Centralization - Excessive Fees
Severity: Informational
function: setTaxFee - setBuybackFee - setMarketingFee
Status: Open
Overview:
Owner is able to set up to 20% tax on buy/sell
function setBuyFeePercentages(
uint256 _taxFeeonBuy,
uint256 _liquidityFeeonBuy,
uint256 _marketingFeeonBuy
 ) external onlyOwner {
taxFeeonBuy = _taxFeeonBuy;
liquidityFeeonBuy = _liquidityFeeonBuy;
marketingFeeonBuy = _marketingFeeonBuy;
totalBuyFees = _taxFeeonBuy + _liquidityFeeonBuy + _marketingFeeonBuy;
require(totalBuyFees <= 20, "Buy fees cannot be greater than 20%");
emit BuyFeesChanged(taxFeeonBuy, liquidityFeeonBuy, marketingFeeonBuy);
 }
function setSellFeePercentages(
uint256 _taxFeeonSell,
uint256 _liquidityFeeonSell,
uint256 _marketingFeeonSell
 ) external onlyOwner {
taxFeeonSell = _taxFeeonSell;
liquidityFeeonSell = _liquidityFeeonSell;
marketingFeeonSell = _marketingFeeonSell;
totalSellFees =
taxFeeonSell +
_liquidityFeeonSell +
_marketingFeeonSell;
require(totalSellFees <= 20, "Sell fees cannot be greater than 20%");
emit SellFeesChanged(
  taxFeeonSell,
liquidityFeeonSell,
marketingFeeonSell
);
 }
Suggestion
```



# DISCLAIMER

All the content provided in this document is for general information only and should not be used as financial advice or a reason to buy any investment. 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. The Auditace 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 Auditace receive a payment to manipulate those results or change the awarding badge that we will be adding in our website. Always Do your own research and protect yourselves from scams. This document should not be presented as a reason to buy or not buy any particular token. The Auditace team disclaims any liability for the resulting losses.



# **ABOUT AUDITACE**

We specializes in providing thorough and reliable audits for Web3 projects. With a team of experienced professionals, we use cutting-edge technology and rigorous methodologies to evaluate the security and integrity of blockchain systems. We are committed to helping our clients ensure the safety and transparency of their digital assets and transactions.



https://auditace.tech/



https://t.me/Audit\_Ace



https://twitter.com/auditace\_



https://github.com/Audit-Ace