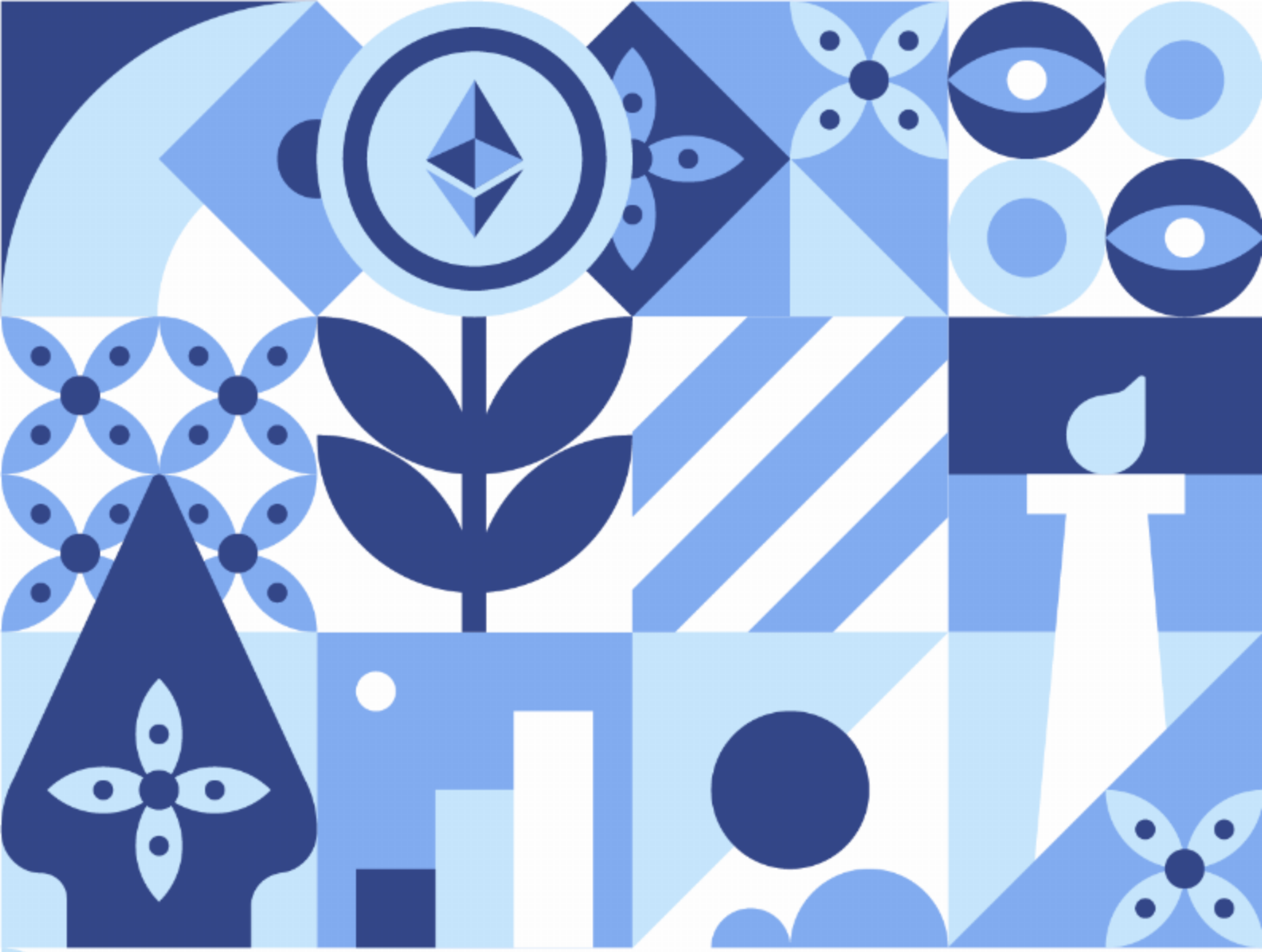

ZombieTama

Smart Contract Audit Report

SYSFIXED

04 Oct 2022

TABLE OF CONTENTS

AUDITED DETAILS

Audited Project

Project name	Token ticker	Blockchain
ZombieTama	ZTama	Ethereum

Addresses

Contract address	0x28988C700e0Ed4D3AdCC8a4A48862251E3aFBA22
Contract deployer address	0x8BC03EEB17a8774917ab3dD2E3b345B30EFa339d

Project Website

https://zombietama.com/

Codebase

https://etherscan.io/address/0x28988C700e0Ed4D3AdCC8a4A48862251E3aFBA22#code

SUMMARY

A Community Driven project with the intention of enjoying the season and bringing back the old ways!! We will use our teams experience and humanitarian nature to use this project to help develop and create something that will befit our holders and community. Have faith in us and we will show our good will in time!!!

Contract Summary

Documentation Quality

ZombieTama provides a very good documentation with standard of solidity base code.

- The technical description is provided clearly and structured and also dont have any high risk issue.

Code Quality

The Overall quality of the basecode is standard.

- Standard solidity basecode and rules are already followed by ZombieTama with the discovery of several low issues.

Test Coverage

Test coverage of the project is 100% (Through Codebase)

Audit Findings Summary

- SWC-100 SWC-108 | Explicitly define visibility for all state variables on lines 729.
- SWC-101 | It is recommended to use vetted safe math libraries for arithmetic operations consistently on lines 141, 173, 196, 197, 232, 268, 698, 698, 699, 699, 731, 731, 767, 874, 876, 898, 1159, 1254, 1276, 1276 and 876.
- SWC-103 | Pragma statements can be allowed to float when a contract is intended on lines 25.
- SWC-110 SWC-123 | It is recommended to use of revert(), assert(), and require() in Solidity, and the new REVERT opcode in the EVM on lines 875, 876, 876, 899, 1024, 1025, 1160, 1160, 1161 and 1162.

CONCLUSION

We have audited the ZombieTama project released on October 2022 to discover issues and identify potential security vulnerabilities in ZombieTama Project. This process is used to find technical issues and security loopholes which might be found in the smart contract.

The security audit report provides a satisfactory result with some low-risk issues.

The issues found in the ZombieTama smart contract code do not pose a considerable risk. The writing of the contract is close to the standard of writing contracts in general. The low-risk issues found are some arithmetic operation issues, a floating pragma is set, a state variable visibility is not set and out of bounds array access which the index access expression can cause an exception in case of the use of an invalid array index value.

AUDIT RESULT

Article	Category	Description	Result
Default Visibility	SWC-100 SWC-108	Functions and state variables visibility should be set explicitly. Visibility levels should be specified consciously.	ISSUE FOUND
Integer Overflow and Underflow	SWC-101	If unchecked math is used, all math operations should be safe from overflows and underflows.	ISSUE FOUND
Outdated Compiler Version	SWC-102	It is recommended to use a recent version of the Solidity compiler.	PASS
Floating Pragma	SWC-103	Contracts should be deployed with the same compiler version and flags that they have been tested thoroughly.	ISSUE FOUND
Unchecked Call Return Value	SWC-104	The return value of a message call should be checked.	PASS
Unprotected Ether Withdrawal	SWC-105	Due to missing or insufficient access controls, malicious parties can withdraw from the contract.	PASS
SELFDESTRUCT Instruction	SWC-106	The contract should not be self-destructible while it has funds belonging to users.	PASS
Reentrancy	SWC-107	Check effect interaction pattern should be followed if the code performs recursive call.	PASS
Uninitialized Storage Pointer	SWC-109	Uninitialized local storage variables can point to unexpected storage locations in the contract.	PASS
Assert Violation	SWC-110 SWC-123	Properly functioning code should never reach a failing assert statement.	ISSUE FOUND
Deprecated Solidity Functions	SWC-111	Deprecated built-in functions should never be used.	PASS
Delegate call to Untrusted Callee	SWC-112	Delegatecalls should only be allowed to trusted addresses.	PASS

DoS (Denial of Service)	SWC-113 SWC-128	Execution of the code should never be blocked by a specific contract state unless required.	PASS
Race Conditions	SWC-114	Race Conditions and Transactions Order Dependency should not be possible.	PASS
Authorization through tx.origin	SWC-115	tx.origin should not be used for authorization.	PASS
Block values as a proxy for time	SWC-116	Block numbers should not be used for time calculations.	PASS
Signature Unique ID	SWC-117 SWC-121 SWC-122	Signed messages should always have a unique id. A transaction hash should not be used as a unique id.	PASS
Incorrect Constructor Name	SWC-118	Constructors are special functions that are called only once during the contract creation.	PASS
Shadowing State Variable	SWC-119	State variables should not be shadowed.	PASS
Weak Sources of Randomness	SWC-120	Random values should never be generated from Chain Attributes or be predictable.	PASS
Write to Arbitrary Storage Location	SWC-124	The contract is responsible for ensuring that only authorized user or contract accounts may write to sensitive storage locations.	PASS
Incorrect Inheritance Order	SWC-125	When inheriting multiple contracts, especially if they have identical functions, a developer should carefully specify inheritance in the correct order. The rule of thumb is to inherit contracts from more /general/ to more /specific/.	PASS
Insufficient Gas Griefing	SWC-126	Insufficient gas griefing attacks can be performed on contracts which accept data and use it in a sub-call on another contract.	PASS
Arbitrary Jump Function	SWC-127	As Solidity doesnt support pointer arithmetics, it is impossible to change such variable to an arbitrary value.	PASS

Typographical Error	SWC-129	A typographical error can occur for example when the intent of a defined operation is to sum a number to a variable.	PASS
Override control character	SWC-130	Malicious actors can use the Right-To-Left-Override unicode character to force RTL text rendering and confuse users as to the real intent of a contract.	PASS
Unused variables	SWC-131 SWC-135	Unused variables are allowed in Solidity and they do not pose a direct security issue.	PASS
Unexpected Ether balance	SWC-132	Contracts can behave erroneously when they strictly assume a specific Ether balance.	PASS
Hash Collisions Variable	SWC-133	Using abi.encodePacked() with multiple variable length arguments can, in certain situations, lead to a hash collision.	PASS
Hardcoded gas amount	SWC-134	The transfer() and send() functions forward a fixed amount of 2300 gas.	PASS
Unencrypted Private Data	SWC-136	It is a common misconception that private type variables cannot be read.	PASS

SMART CONTRACT ANALYSIS

Started	Monday Oct 03 2022 10:26:49 GMT+0000 (Coordinated Universal Time)
Finished	Tuesday Oct 04 2022 20:23:04 GMT+0000 (Coordinated Universal Time)
Mode	Standard
Main Source File	ZombieTama.sol

Detected Issues

ID	Title	Severity	Status
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "-" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "%" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "**" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "-" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "%" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "**" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "++" DISCOVERED	low	acknowledged

SWC-101	ARITHMETIC OPERATION "-" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "++" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "++" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "**" DISCOVERED	low	acknowledged
SWC-101	COMPILER-REWRITABLE "<UINT> - 1" DISCOVERED	low	acknowledged
SWC-103	A FLOATING PRAGMA IS SET.	low	acknowledged
SWC-108	STATE VARIABLE VISIBILITY IS NOT SET.	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 141

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- ZombieTama.sol

Locations

```
140   function add(uint256 a, uint256 b) internal pure returns (uint256) {
141   uint256 c = a + b;
142   require(c >= a, "SafeMath: addition overflow");
143
144   return c;
145
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 173

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- ZombieTama.sol

Locations

```
172   require(b <= a, errorMessage);
173   uint256 c = a - b;
174
175   return c;
176   }
177
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 196

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- ZombieTama.sol

Locations

```
195
196   uint256 c = a * b;
197   require(c / a == b, "SafeMath: multiplication overflow");
198
199   return c;
200
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 197

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- ZombieTama.sol

Locations

```
196   uint256 c = a * b;
197   require(c / a == b, "SafeMath: multiplication overflow");
198
199   return c;
200   }
201
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 232

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- ZombieTama.sol

Locations

```
231   require(b > 0, errorMessage);
232   uint256 c = a / b;
233   // assert(a == b * c + a % b); // There is no case in which this doesn't hold
234
235   return c;
236
```

SWC-101 | ARITHMETIC OPERATION "%" DISCOVERED

LINE 268

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- ZombieTama.sol

Locations

```
267   require(b != 0, errorMessage);
268   return a % b;
269   }
270   }
271
272
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 698

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- ZombieTama.sol

Locations

```
697   uint256 private constant MAX = ~uint256(0);
698   uint256 private _tTotal = 1000000000 * 10**9;
699   uint256 private _rTotal = (MAX - (MAX % _tTotal));
700   uint256 private _tFeeTotal;
701
702
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 698

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- ZombieTama.sol

Locations

```
697   uint256 private constant MAX = ~uint256(0);
698   uint256 private _tTotal = 1000000000 * 10**9;
699   uint256 private _rTotal = (MAX - (MAX % _tTotal));
700   uint256 private _tFeeTotal;
701
702
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 699

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- ZombieTama.sol

Locations

```
698   uint256 private _tTotal = 1000000000 * 10**9;
699   uint256 private _rTotal = (MAX - (MAX % _tTotal));
700   uint256 private _tFeeTotal;
701
702   string private _name = "ZombieTama";
703
```

SWC-101 | ARITHMETIC OPERATION "%" DISCOVERED

LINE 699

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- ZombieTama.sol

Locations

```
698   uint256 private _tTotal = 1000000000 * 10**9;
699   uint256 private _rTotal = (MAX - (MAX % _tTotal));
700   uint256 private _tFeeTotal;
701
702   string private _name = "ZombieTama";
703
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 731

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- ZombieTama.sol

Locations

```
730   bool public swapAndLiquifyEnabled = true;
731   uint256 private minTokensBeforeSwap = 1000000 * 10**9;
732
733   event MinTokensBeforeSwapUpdated(uint256 minTokensBeforeSwap);
734   event SwapAndLiquifyEnabledUpdated(bool enabled);
735
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 731

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- ZombieTama.sol

Locations

```
730   bool public swapAndLiquifyEnabled = true;
731   uint256 private minTokensBeforeSwap = 1000000 * 10**9;
732
733   event MinTokensBeforeSwapUpdated(uint256 minTokensBeforeSwap);
734   event SwapAndLiquifyEnabledUpdated(bool enabled);
735
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 767

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- ZombieTama.sol

Locations

```
766   // launch sell fee
767   launchSellFeeDeadline = now + 0 days;
768
769   emit Transfer(address(0), _msgSender(), _tTotal);
770   }
771
```

SWC-101 | ARITHMETIC OPERATION "++" DISCOVERED

LINE 874

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- ZombieTama.sol

Locations

```
873   require(_isExcluded[account], "Account is already excluded");
874   for (uint256 i = 0; i < _excluded.length; i++) {
875   if (_excluded[i] == account) {
876   _excluded[i] = _excluded[_excluded.length - 1];
877   _tOwned[account] = 0;
878
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 876

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- ZombieTama.sol

Locations

```
875   if (_excluded[i] == account) {
876   _excluded[i] = _excluded[_excluded.length - 1];
877   _tOwned[account] = 0;
878   _isExcluded[account] = false;
879   _excluded.pop();
880
```

SWC-101 | ARITHMETIC OPERATION "++" DISCOVERED

LINE 898

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- ZombieTama.sol

Locations

```
897   uint totalExcludedBal;
898   for (uint256 i = 0; i < _excluded.length; i++){
899   totalExcludedBal = balanceOf(_excluded[i]).add(totalExcludedBal);
900   }
901   uint256 rewards =
holdersBal.mul(_balance).div(_tTotal.sub(balanceOf(uniswapV2Pair)).sub(totalExcludedBal))
;
902
```

SWC-101 | ARITHMETIC OPERATION "++" DISCOVERED

LINE 1159

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- ZombieTama.sol

Locations

```
1158   uint256 tSupply = _tTotal;
1159   for (uint256 i = 0; i < _excluded.length; i++) {
1160   if (_rOwned[_excluded[i]] > rSupply || _tOwned[_excluded[i]] > tSupply) return
(_rTotal, _tTotal);
1161   rSupply = rSupply.sub(_rOwned[_excluded[i]]);
1162   tSupply = tSupply.sub(_tOwned[_excluded[i]]);
1163
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 1254

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- ZombieTama.sol

Locations

```
1253   require(devFee <= 100, "Maximum fee limit is 10 percent");
1254   require(devTax + marketingTax == devFee, "Dev + marketing must equal total fee");
1255   _devFee = devFee;
1256   _devTax = devTax;
1257   _marketingTax = marketingTax;
1258
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 1276

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- ZombieTama.sol

Locations

```
1275   function setMinTokensBeforeSwap(uint256 minTokens) external onlyOwner {
1276   minTokensBeforeSwap = minTokens * 10**9;
1277   emit MinTokensBeforeSwapUpdated(minTokens);
1278   }
1279
1280
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 1276

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- ZombieTama.sol

Locations

```
1275   function setMinTokensBeforeSwap(uint256 minTokens) external onlyOwner {
1276   minTokensBeforeSwap = minTokens * 10**9;
1277   emit MinTokensBeforeSwapUpdated(minTokens);
1278   }
1279
1280
```

SWC-101 | COMPILER-REWRITABLE "<UINT> - 1" DISCOVERED

LINE 876

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- ZombieTama.sol

Locations

```
875   if (_excluded[i] == account) {
876   _excluded[i] = _excluded[_excluded.length - 1];
877   _tOwned[account] = 0;
878   _isExcluded[account] = false;
879   _excluded.pop();
880
```

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 25

low SEVERITY

The current pragma Solidity directive is ""^0.6.12"". It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

Source File

- ZombieTama.sol

Locations

```
24
25   pragma solidity ^0.6.12;
26
27   abstract contract Context {
28   function _msgSender() internal view virtual returns (address payable) {
29
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 729

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "inSwapAndLiquify" is internal. Other possible visibility settings are public and private.

Source File

- ZombieTama.sol

Locations

```
728
729   bool inSwapAndLiquify;
730   bool public swapAndLiquifyEnabled = true;
731   uint256 private minTokensBeforeSwap = 1000000 * 10**9;
732
733
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 875

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- ZombieTama.sol

Locations

```
874   for (uint256 i = 0; i < _excluded.length; i++) {
875   if (_excluded[i] == account) {
876   _excluded[i] = _excluded[_excluded.length - 1];
877   _tOwned[account] = 0;
878   _isExcluded[account] = false;
879
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 876

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- ZombieTama.sol

Locations

```
875   if (_excluded[i] == account) {
876   _excluded[i] = _excluded[_excluded.length - 1];
877   _tOwned[account] = 0;
878   _isExcluded[account] = false;
879   _excluded.pop();
880
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 876

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- ZombieTama.sol

Locations

```
875   if (_excluded[i] == account) {
876   _excluded[i] = _excluded[_excluded.length - 1];
877   _tOwned[account] = 0;
878   _isExcluded[account] = false;
879   _excluded.pop();
880
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 899

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- ZombieTama.sol

Locations

```
898   for (uint256 i = 0; i < _excluded.length; i++){
899   totalExcludedBal = balanceOf(_excluded[i]).add(totalExcludedBal);
900   }
901   uint256 rewards =
holdersBal.mul(_balance).div(_tTotal.sub(balanceOf(uniswapV2Pair)).sub(totalExcludedBal))
;
902   return rewards;
903
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 1024

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- ZombieTama.sol

Locations

```
1023   address[] memory path = new address[](2);
1024   path[0] = address(this);
1025   path[1] = uniswapV2Router.WETH();
1026
1027   _approve(address(this), address(uniswapV2Router), tokenAmount);
1028
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 1025

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- ZombieTama.sol

Locations

```
1024   path[0] = address(this);
1025   path[1] = uniswapV2Router.WETH();
1026
1027   _approve(address(this), address(uniswapV2Router), tokenAmount);
1028
1029
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 1160

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- ZombieTama.sol

Locations

```
1159   for (uint256 i = 0; i < _excluded.length; i++) {
1160   if (_rOwned[_excluded[i]] > rSupply || _tOwned[_excluded[i]] > tSupply) return
(_rTotal, _tTotal);
1161   rSupply = rSupply.sub(_rOwned[_excluded[i]]);
1162   tSupply = tSupply.sub(_tOwned[_excluded[i]]);
1163   }
1164
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 1160

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- ZombieTama.sol

Locations

```
1159   for (uint256 i = 0; i < _excluded.length; i++) {
1160   if (_rOwned[_excluded[i]] > rSupply || _tOwned[_excluded[i]] > tSupply) return
(_rTotal, _tTotal);
1161   rSupply = rSupply.sub(_rOwned[_excluded[i]]);
1162   tSupply = tSupply.sub(_tOwned[_excluded[i]]);
1163   }
1164
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 1161

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- ZombieTama.sol

Locations

```
1160   if (_rOwned[_excluded[i]] > rSupply || _tOwned[_excluded[i]] > tSupply) return
(_rTotal, _tTotal);
1161   rSupply = rSupply.sub(_rOwned[_excluded[i]]);
1162   tSupply = tSupply.sub(_tOwned[_excluded[i]]);
1163   }
1164   if (rSupply < _rTotal.div(_tTotal)) return (_rTotal, _tTotal);
1165
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 1162

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- ZombieTama.sol

Locations

```
1161   rSupply = rSupply.sub(_rOwned[_excluded[i]]);
1162   tSupply = tSupply.sub(_tOwned[_excluded[i]]);
1163   }
1164   if (rSupply < _rTotal.div(_tTotal)) return (_rTotal, _tTotal);
1165   return (rSupply, tSupply);
1166
```

DISCLAIMER

This report is subject to the terms and conditions (including without limitation, description of services, confidentiality, disclaimer and limitation of liability) set forth in the Services Agreement, or the scope of services, and terms and conditions provided to you ("Customer" or the "Company") in connection with the Agreement. This report provided in connection with the Services set forth in the Agreement shall be used by the Company only to the extent permitted under the terms and conditions set forth in the Agreement. This report may not be transmitted, disclosed, referred to, or relied upon by any person for any purposes, nor may copies be delivered to any other person other than the Company, without Sysfixed's prior written consent in each instance.

This report is not, nor should be considered, an "endorsement" or "disapproval" of any particular project or team. This report is not, nor should be considered, an indication of the economics or value of any "product" or "asset" created by any team or project that contracts Sysfixed to perform a security assessment. This report does not provide any warranty or guarantee regarding the absolute bug-free nature of the technology analyzed, nor do they provide any indication of the technologies proprietors, business, business model, or legal compliance.

This is a limited report on our findings based on our analysis, in accordance with good industry practice as of the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, the details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report. While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the below disclaimer below – please make sure to read it in full.

This report should not be used in any way to make decisions around investment or involvement with any particular project. This report in no way provides investment advice, nor should be leveraged as investment advice of any sort. This report represents an extensive assessing process intending to help our customers increase the quality of their code while reducing the high level of risk presented by cryptographic tokens and blockchain technology.

This report is provided for information purposes only and on a non-reliance basis and does not constitute investment advice. No one shall have any right to rely on the report or its contents, and Sysfixed and its affiliates (including holding companies, shareholders, subsidiaries, employees, directors, officers, and other representatives) (Sysfixed) owe no duty of care.

ABOUT US

Sysfixed is a blockchain security certification organization established in 2021 with the objective to provide smart contract security services and verify their correctness in blockchain-based protocols. Sysfixed automatically scans for security vulnerabilities in Ethereum and other EVM-based blockchain smart contracts. Sysfixed a comprehensive range of analysis techniques—including static analysis, dynamic analysis, and symbolic execution—can accurately detect security vulnerabilities to provide an in-depth analysis report. With a vibrant ecosystem of world-class integration partners that amplify developer productivity, Sysfixed can be utilized in all phases of your project's lifecycle. Our team of security experts is dedicated to the research and improvement of our tools and techniques used to fortify your code.