



Royalproof

Security Audit Report



Completed on

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royalproof.net



OVERVIEW

This audit has been prepared for **Tikky Inu** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“The results of this audit are purely based on the team’s evaluation and does not guarantee nor reflect the projects outcome and goal ”

- RoyalProof Team -



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PROJECT DESCRIPTION

According to their website:

Tikky Inu was conceptualized as a self-sustaining token that will feed on the established user base of TikTok and flourish side-by-side with the social media behemoth. Central to our plan is the Tikky Inu app, a program that will be made available on mobiles and desktops. Tikky Inu will reward users with \$TIKKY tokens whenever they will upload videos on TikTok, provided that project's requisite parameters are met.

Release Date: Launched on August 23, 2022

Category: Engage to earn



CONTRACT INFO

Token Name	Tikky Inu
Symbol	TIKKY
Contract Address	0xAC378638ace29fe9288FE2215Fa947DbF5ad59D2
Network	Binance Smart Chain
Language	Solidity
Deployment Date	August 23, 2022
Verified?	Yes
Total Supply	1,000,000,000,000,000
Status	Launched

TAXES

Buy Tax	9 %
Sell Tax	10 %



Our Contract Review Process

The contract review process pays special attention to the following:

Testing the smart contracts against both common and uncommon vulnerabilities

- ❖ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ❖ Ensuring contract logic meets the specifications and intentions of the client.
- ❖ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ❖ Thorough line-by-line manual review of the entire codebase by industry experts.

- ❖ Blockchain security tools used:
 - ✓ Open Zeppelin
 - ✓ Mythril
 - ✓ Solidity Compiler
 - ✓ Hardhat



CURRENT STATS

(As of Sep 16, 2022)

Status: Launched

Liquidity: PancakeSwap: 31 WBNB

Burn: No burnt tokens

MaxTxAmount: 1,000,000,000,000

DEX: PancakeSwap

LP Address(es): 0x7C6263C4CbB62C55d8791587549dfc0856fe8876

➤ **95.51% locked in Mudra - unlocks at November 28, 2022**

<https://mudra.website/?certificate=yes&type=0&lp=0x7c6263c4cbb62c55d8791587549dfc0856fe8876>



TOKEN TRANSFERS STATS

Transfer Count	10571
Uniq Senders	848
Uniq Receivers	1199
Total Amount	9306758749311220 TIKKY
Median Transfer Amount	106664103000 TIKKY
Average Transfer Amount	880404762965.7761 TIKKY
First transfer date	2022-08-23
Last transfer date	2022-09-16
Days token transferred	25

SMART CONTRACT STATS

Calls Count	1958
External calls	92
Internal calls	1866
Transactions count	531
Uniq Callers	87
Days contract called	8
Last transaction time	2022-09-16 16:20:10 UTC
Created	2022-09-09 03:52:46 UTC
Create TX	0x504e452a446746586c77aaee72b18a60bf75649536fd7452bc95c169d1240caa
Creator	0x10ed43c718714eb63d5aa57b78b54704e256024e



FEATURED WALLETS

Owner address	Ox21f745346d81a65fdd693241655d9778e55662bb
Marketing address	Ox6b7411f02808fc850fe7968e89798f33c3fe4554
Dev address	Ox21f745346d81a65fdd693241655d9778e55662bb
LP address	<p>Pancakeswap: Ox7C6263C4CbB62C55d8791587549dfc0856fe8876</p> <p>95.51% locked in Mudra – unlocks at November 28, 2022 https://mudra.website/?certificate=yes&type=0&lp=Ox7c6263c4cbb62c55d8791587549dfc0856fe8876</p>

*Address can be changed in future

TOP 3 UNLOCKED WALLETS

- **1–** Ox407993575c91ce7643a4d4ccacc9a98c36ee1bbe **(20%)**
- **2–** Oxb9b5fd18cee02c85cab63fb1ef23ff8ff1ed0940 **(2%)**
- **3–** Ox539e92244561e49960446c8b889082610453b55b **(2%)**



VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer Overflow and Underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front Running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed



THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk-free factor.



FOUND THREAT

- **High Risk**

Owner can change buy/sell fees up to 100%.

```
function setBuyFees(uint8 _rfi, uint8 _Marketing,  
    uint8 _dev, uint8 _lp) external onlyOwner {  
    buyRates.rfi = _rfi;  
    buyRates.Marketing = _Marketing;  
    buyRates.dev = _dev;  
    buyRates.lp = _lp;  
    buyRates.toSwap = _Marketing + _dev + _lp;  
}  
  
function setSellFees(  
    uint8 _rfi, uint8 _Marketing,  
    uint8 _dev, uint8 _lp) external onlyOwner {  
    sellRates.rfi = _rfi;  
    sellRates.Marketing = _Marketing;  
    sellRates.dev = _dev;  
    sellRates.lp = _lp;  
    sellRates.toSwap = _Marketing + _dev + _lp;  
}
```

- Recommendation:
 - Considered as good tax deduction practice is buy and sell fees combined not to exceed 25%.



FOUND THREAT

• High Risk

Owner can set max sell transaction to very low number. Transaction fees value associated with the transaction may be higher than the actual tokens transferred.

```
function setMaxTransactionAmount(  
    uint256 _maxTxAmountBuyPct,  
    uint256 _maxTxAmountSellPct  
) external onlyOwner {  
    maxTxAmountBuy = _tTotal / _maxTxAmountBuyPct; // 100 = 1%, 50 = 2% etc.  
    maxTxAmountSell = _tTotal / _maxTxAmountSellPct; // 100 = 1%, 50 = 2% etc.  
}
```

Owner can blacklist address from trading, making it impossible to sell.

```
function blacklistSniper(address botAddress, bool isban) external onlyOwner {  
    isBot[botAddress] = isban;  
}
```

- Recommendation:
 - Considered as good tax limitation practice is max transaction amount to be not lower than 0.1% of total supply.



- **Informational**

Owner can exclude address from fees.

```
function excludeFromFee(address account) external onlyOwner {  
    _isExcludedFromFee[account] = true;  
}
```

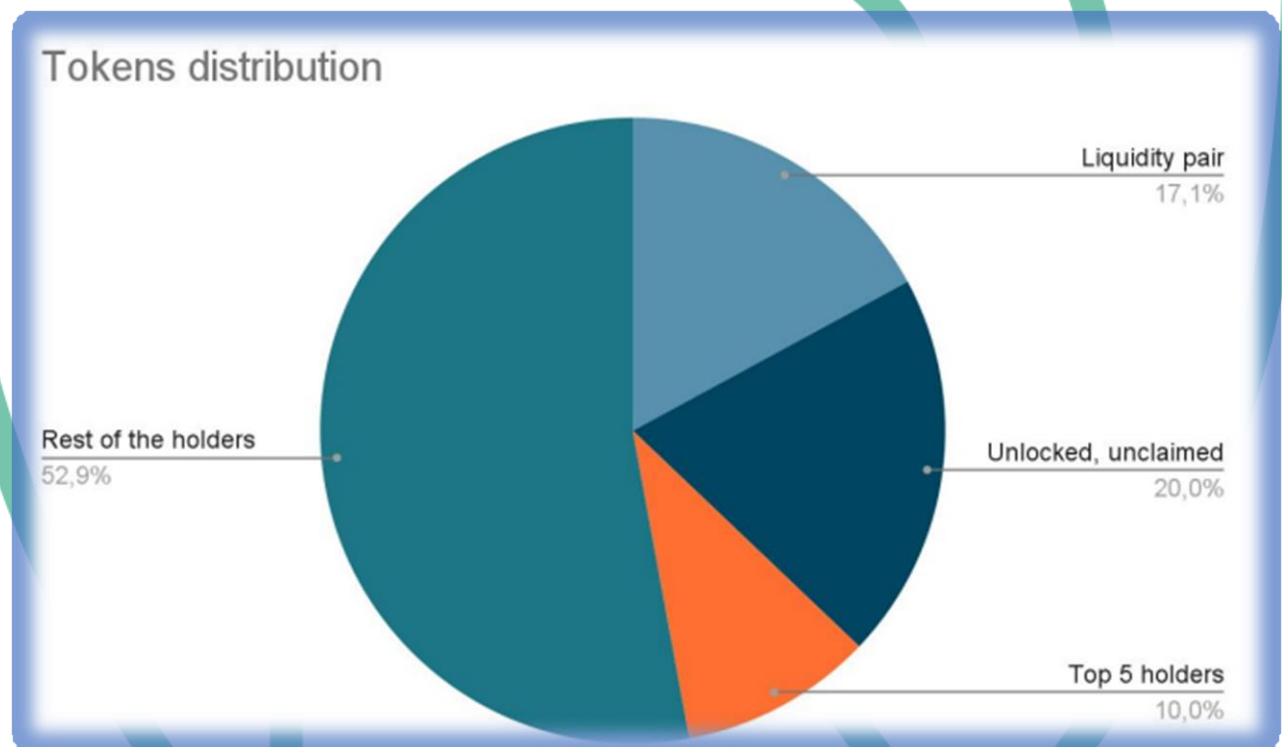
- Owner can withdraw any tokens from the contract.

```
function rescueBNB(uint256 weiAmount) external onlyOwner{  
    require(address(this).balance >= weiAmount, "insufficient BNB balance");  
    MarketingAddress.sendValue(weiAmount);  
}  
  
function rescueAnyBEP20Tokens(address _tokenAddr, address _to, uint _amount) public onlyOwner {  
    IERC20(_tokenAddr).transfer(_to, _amount);  
}
```



Tokenomics:

- 17.1% - Liquidity pair
- 10% - Top 5 holders
- 20% - PinkLock contract (⚠️unlocked, unclaimed)
- 52.9% - Rest of the holders





Website

Website URL	https://www.tikkyinu.com/
Domain Registry	https://www.wix.com/
Domain Expiration	Expires on 2023-08-23
Technical SEO Test	Passed
Security Test	Passed. SSL certificate present

Design

- single page design appropriate color scheme and graphics

Whitepaper

- Well written, explanatory

Content

- The information helps new investors understand what the product does right away. No grammar mistakes found..

Roadmap

- Yes, goals set at 4 phases without time frames.

Mobile-friendly?.

- No

[tikkyinu.com](https://www.tikkyinu.com)



SOCIAL MEDIA& ONLINE PRESENCE

ANALYSIS

Project's social media pages are very active with activity from organic users.



Twitter : @tikkyinu

- 3 650 Followers
- active, posts frequently
- organic engagment



Telegram : @tikkyinu

- 1 321 members
- Active members
- Active mods



Telegram : @tikkyinu.official

- 10 members
- 1 article



ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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@Royalproof_Admin



Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency 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 disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.