BlockSAFU

ADVANCE MANUAL
SMART CONTRACT AUDIT

Project: Ganjalnu

Website: ganjainubsc.com

BlockSAFU Score: 75

Contract Address:

0x714316A4da0254045A5c00aB266834f7c943BAd8

DISCLAMER

BlockSAFU has completed this report to provide a summary of the Smart Contract functions, and any security, dependency or cybersecurity vulnerabilities. This is often a constrained report on our discoveries based on our investigation and understanding of the current programming versions as at the date of this report. In order to understand the full scope of our analysis, it is vital for you to at the date of this report. In order to understand the full scope of our analysis, it is vital for you to review the complete report. Although we have done our best in conducting our investigation and creating this report, it is vital to note that you should not depend on this report and cannot make any claim against BlockSAFU or its Subsidiaries and Team members on the premise of what has or has not been included in the report. Please remember to conduct your own independent examinations before making any investment choices. We do not provide investment advice or in any way claim to determine if the project will be successful or not.

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ABOUT THE AUDITOR:

BlockSAFU (BSAFU) is an Anti-Scam Token Utility which reviews Smart Contracts and Token information to Identify Rug Pull and Honey Pot scamming activity. BlockSAFUs Development Team consists of a number of Smart Contract creators, Auditors Developers and Blockchain experts. BlockSAFU provides solutions, prevents and hunts down scammers. BSAFU is utility token with features are Audit, KYC, Token Generators and Bounty Scammers. It will enrich the crypto ecosystem.

OVERVIEW

BlockSAFU was commissioned by GanjaInu (GINU) Token to complete a Smart Contract audit. The objective of the Audit is to achieve the following:

- Review the Project and experience and Development team
- Ensure that the Smart Contract functions are necessary and operate as intended.
- Identify any vulnerabilities in the Smart Contract code.

DISCLAIMER: This Audit is intended to inform about token Contract Risks, the result does not imply an endorsement or provide financial advice in any way, all investments are made at your own risk. (https://blocksafu.com/)

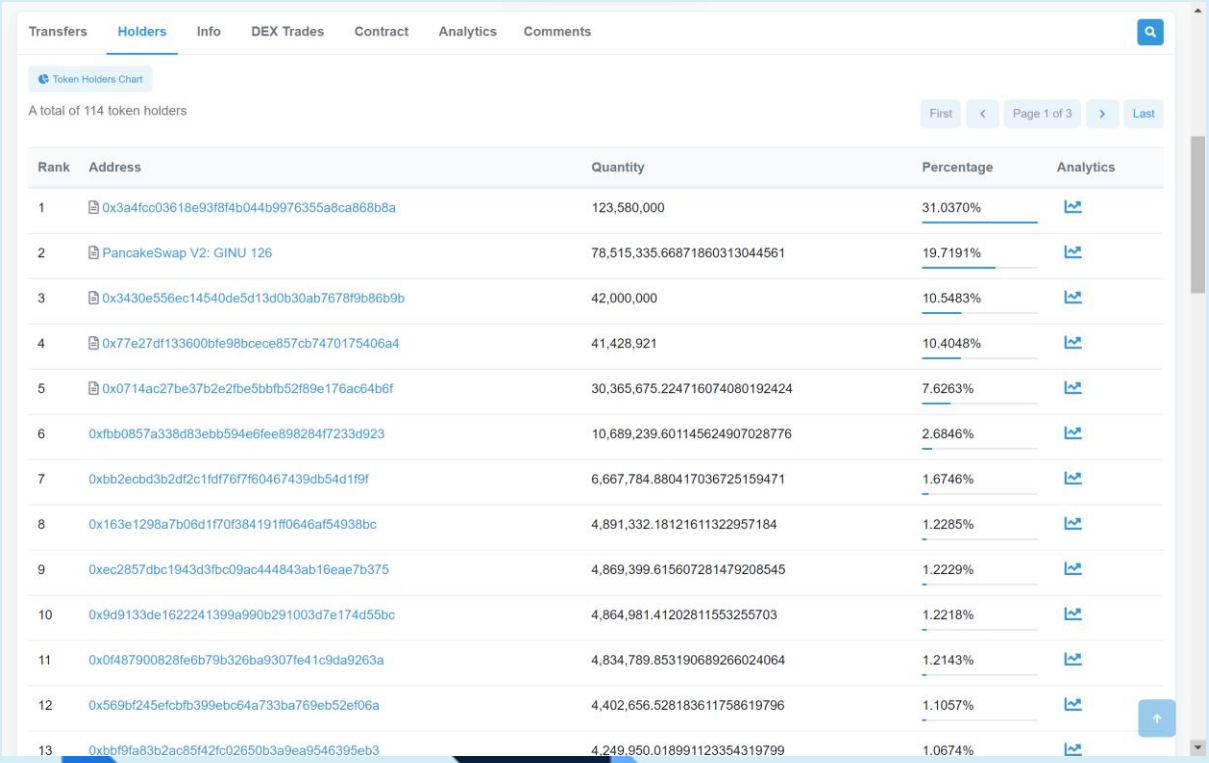
SMART CONTRACT REVIEW

Token Name	Ganjainu
Token Symbol	GINU
Token Decimal	18
Total Supply	420,000,000 GINU
Contract Address	0x0AACb95FD45De334a2B19d01211C7E160aA67e43
Contract Proxy	0x714316A4da0254045A5c00aB266834f7c943BAd8
Deployer Address	0x71E568e398EEf0cce5Ce8037EB5799f67be77E48
Owner Address	0x71E568e398EEf0cce5Ce8037EB5799f67be77E48
Tax Fees Buy	Stone: 0.42%; 420: 4.2%; Munchie:4%
Tax Fees Sell	Stone: 4.2%; 420: 4.2%; Munchie:20%
Tax Transfer	2%
Gas Used for Buy	214,465
Gas Used for Sell	405,221
Contract Created	Apr-14-2022 07:36:29 PM +UTC
Initial Liquidity	68.59 BNB
Liquidity Status	Locked
Unlocked Date	Jun-11-2023 11:07:00 PM +UTC
Verified CA	Yes
Compiler	v0.8.13+commit.abaa5c0e
Optimization	Enable with 1000 runs
Sol License	N/A
Top 5 Holders	53.4273% Held
Other	default evmVersion

TOKENOMICS

Stone Mode	
420 Mode	
Munchie Mode	

TOP HOLDER



Transfers | Holders | Info | DEX Trades | Contract | Analytics | Comments

Token Holders Chart

A total of 114 token holders

First | Page 1 of 3 | Last

Rank	Address	Quantity	Percentage	Analytics
1	0x3a4fcc03618e93f8f4b044b9976355a8ca868b8a	123,580,000	31.0370%	
2	PancakeSwap V2: GINU 126	78,515,335.66871860313044561	19.7191%	
3	0x3430e556ec14540de5d13d0b30ab7678f9b86b9b	42,000,000	10.5483%	
4	0x77e27df133600bfe98bcece857cb7470175406a4	41,428,921	10.4048%	
5	0x0714ac27be37b2e2fbe5bbfb52f89e176ac64b6f	30,365,675.224716074080192424	7.6263%	
6	0xfbb0857a338d83ebb594e6fee898284f7233d923	10,689,239.601145624907028776	2.6846%	
7	0xbb2ecbd3b2df2c1fdf76f7f60467439db54d1f9f	6,667,784.880417036725159471	1.6746%	
8	0x163e1298a7b06d1f70f384191ff0646af54938bc	4,891,332.18121611322957184	1.2285%	
9	0xec2857dbc1943d3fbc09ac444843ab16eae7b375	4,869,399.615607281479208545	1.2229%	
10	0x9d9133de1622241399a990b291003d7e174d55bc	4,864,981.41202811553255703	1.2218%	
11	0x0f487900828fe6b79b326ba9307fe41c9da9263a	4,834,789.853190689266024064	1.2143%	
12	0x569bf245efcbfb399ebc64a733ba769eb52ef06a	4,402,656.528183611758619796	1.1057%	
13	0xbbf9fa83b2ac85f42fc02650b3a9ea9546395eb3	4,249,950.018991123354319799	1.0674%	

OFFICIAL WEBSITE AND SOCIAL MEDIA

Website: https://ganjainubsc.com/

Twitter: https://twitter.com/GanjaInuBSC

Telegram: https://t.me/GanjaInuOfficial

Medium: https://ganjainu.medium.com/

Team Review

The Ganja Inu Team have a good website with clear information about smart contract mode, and the contract developed by professional team, the social media, there have 864 members on telegram, 52 followers at twitter.

MANUAL CODE REVIEW

🟢 Minor-risk

1 minor-risk code issues found

Could be fixed, will not bring problems.

Weak PRNG (***Pseudo-random number generator***), do not use blocktimestamp as a source randomness as this can be manipulate by miners.
Recommendation: Avoid relying on block.timestamp

```
function swapTokensForBNB(uint256 tokenAmount) private {
    address[] memory path = new address[](2);
    path[0] = address(this);
    path[1] = pcsV2Router.WETH();
    _approve(address(this), address(pcsV2Router), tokenAmount);
    IPancakeRouter02(pcsV2Router)
      .swapExactTokensForETHSupportingFeeOnTransferTokens(
        ….
        address(this),
        block.timestamp
      );
    emit swapTokensBNB(tokenAmount);
  }
```

🟡 Medium-risk

0 medium-risk code issues found

Should be fixed, could bring problems.

🔴 High-Risk

0 high-risk code issues found

Must be fixed, and will bring problem.

🔴 Critical-Risk

0 critical-risk code issues found

Must be fixed, and will bring problem.

EXTRA NOTES SMART CONTRACT

Owner cannot set the tax fee higher than 30%

```
function setTaxes(
    uint256 buyTax_,
    uint256 buyTaxDenominator_,
    uint256 sellTax_,
    uint256 sellTaxDenominator_
  ) public onlyOwner {
    uint256 bTax = buyTax_.div(buyTaxDenominator_);
    uint256 sTax = sellTax_.div(sellTaxDenominator_);

    require(bTax <= 30, "GanjaInu: Buy tax cannot be greater than
30%");
    require(sTax <= 30, "GanjaInu: Sell tax cannot be greater than
30%");

    previousBuyTax = bTax;
    previousSellTax = sTax;

    buyTax = bTax;
    sellTax = sTax;
    taxMode = "CUSTOM";

    emit setTaxesUpdate(
      buyTax_,
      buyTaxDenominator_,
      sellTax_,
      sellTaxDenominator_
    );
  }
```

The contract owner can set tax but the max set is 60% for buy (30%) and sell (30%). Buyer must be experienced and understand the risks.

Safe ERC20 Contract

```
library SafeERC20Upgradeable {
    using AddressUpgradeable for address;

    function safeTransfer(
        IERC20Upgradeable token,
        address to,
        uint256 value
    ) internal {
        _callOptionalReturn(token,
abi.encodeWithSelector(token.transfer.selector, to, value));
    }

    function safeTransferFrom(
        IERC20Upgradeable token,
        address from,
        address to,
        uint256 value
    ) internal {
        _callOptionalReturn(token,
abi.encodeWithSelector(token.transferFrom.selector, from, to,
value));
    }
    ....
}
```

The contract already has SafeERC20 Transfer function

SafeMath Library

```
library SafeMath {
  function tryAdd(uint256 a, uint256 b) internal pure returns
(bool, uint256) {
    unchecked {
      uint256 c = a + b;
      if (c < a) return (false, 0);
      return (true, c);
    }
  }

  function trySub(uint256 a, uint256 b) internal pure returns
(bool, uint256) {
    unchecked {
      if (b > a) return (false, 0);
      return (true, a - b);
    }
  }

  function tryMul(uint256 a, uint256 b) internal pure returns
(bool, uint256) {
    unchecked {
      // Gas optimization: this is cheaper than requiring 'a' not
being zero, but the
      // benefit is lost if 'b' is also tested.
      // See: https://github.com/OpenZeppelin/openzeppelin-
contracts/pull/522
      if (a == 0) return (true, 0);
      uint256 c = a * b;
      if (c / a != b) return (false, 0);
      return (true, c);
    }
  }
  ....
}
```

The contract has SafeMath Library for mathematics logic function in sol

Ganjalnu Contract

```
function setFeeShares(
    uint256 marketingFeeShare_,
    uint256 teamFeeShare_,
    uint256 buyBackFeeShare_
  ) public onlyOwner {
    require(
      marketingFeeShare_.add(teamFeeShare_).add(buyBackFeeShare_)
== 100,
      "GanjaInu: Share1 + Share2 + Share3 != 100"
    );
    marketingFeeShare = marketingFeeShare_;
    teamFeeShare = teamFeeShare_;
    buyBackFeeShare = buyBackFeeShare_;
    emit setFeeShareUpdate(marketingFeeShare_, teamFeeShare_,
buyBackFeeShare_);
  }
```

The owner can change tokenomics

Toggle from exclude from fee

```
function toggleExcludeFromFees(address account_) public onlyOwner
{
    require(
      account_ != address(0),
      "GanjaInu: Cannot exlude the dead address from fees."
    );
    if (isExcludedFromFees_[account_] == true) {
      isExcludedFromFees_[account_] = false;
      emit excludeFromFees(account_, false);
    } else if (isExcludedFromFees_[account_] == false) {
      isExcludedFromFees_[account_] = true;
      emit excludeFromFees(account_, true);
    }
  }
```

The contract owner can set toggle exclude from fee with condition the address it's not zero address

Toggle Tax Mode

```
function toggleModes(uint256 mode_) internal {
    if (mode_ == 1 && !compare(taxMode, "STONED MODE")) {
      buyTax = 1;
      sellTax = 4;
      marketingFeeShare = 24;
      teamFeeShare = 24;
      buyBackFeeShare = 52;
      taxMode = "STONED MODE";
    } else if (mode_ == 2 && !compare(taxMode, "420 MODE")) {
      buyTax = 4;
      sellTax = 4;
      marketingFeeShare = 24;
      teamFeeShare = 24;
      buyBackFeeShare = 52;
      taxMode = "420 MODE";
    } else if (mode_ == 3 && !compare(taxMode, "MUNCHIE MODE")) {
      buyTax = 4;
      sellTax = 20;
      marketingFeeShare = 10;
      teamFeeShare = 10;
      buyBackFeeShare = 80;
      taxMode = "MUNCHIE MODE";
    }
    emit changeTaxMode(mode_, taxMode);
  }
```

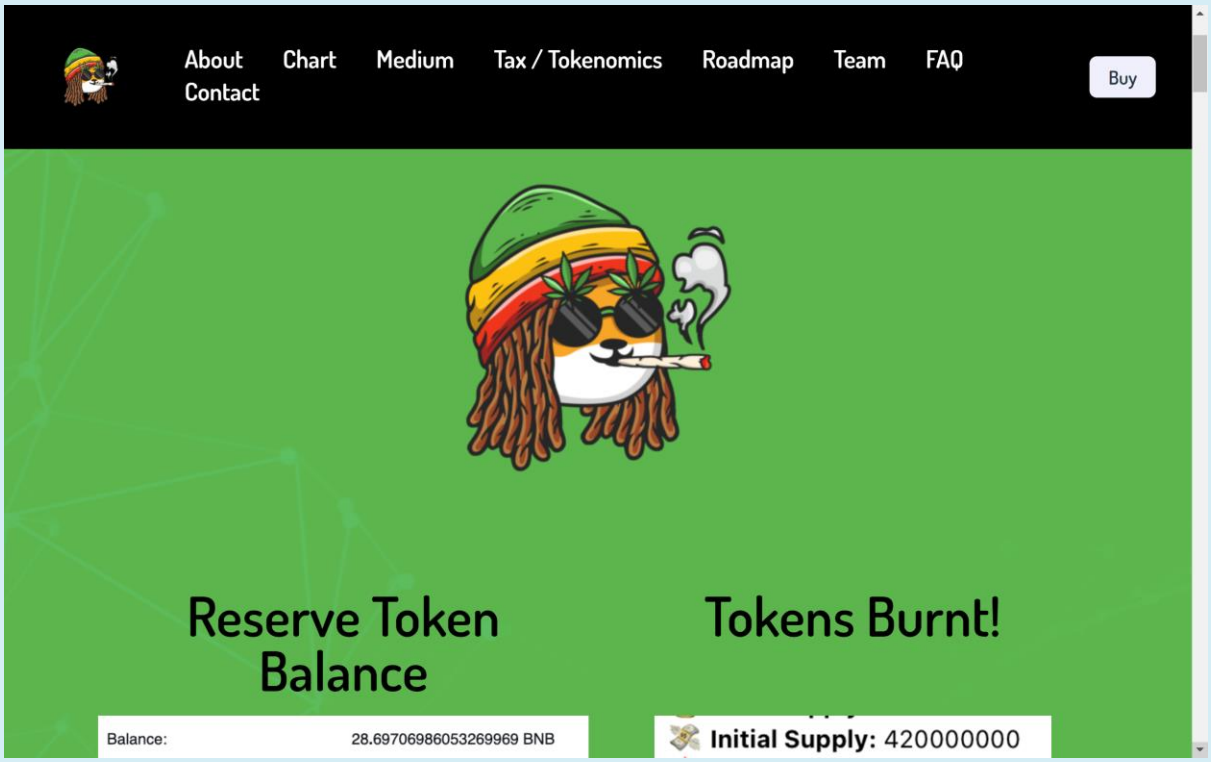
The owner contract can set tax fee with 3 modes

Stoned Mode (0-20% down from ATH) - Buy tax 1% and sell tax 4%, the total 5% it will be share to **marketing fee 24%, team fee 24%, and for Buyback 52%**

420 Mode (20-70% down from ATH) - Buy tax 4.2% and sell tax 4.2%, the total 8.4% it will be share to **marketing fee 24%, team fee 24%, and for Buyback 52%**

Munchie Mode (71-100% down from ATH) - Buy tax 4% and sell tax 20%, the total 24% it will be share to **marketing fee 10%, team fee 10%, and for Buyback 80%**

WEBSITE REVIEW



- **Mobile Friendly**
- **Contains no code error**
- **SSL Secured (By Let's Encrypt)**

Web Tec stack: Elementor, apache,Wordpress, PHP, jQuery, jQuery Migrate (need update to latest version), Google Fonts, FontAwesome, Lodash (outdate, need update to latest version), Dreamhost
Domain .com - (dreamhost.com) - Tracked by whois

First Contentful Paint	796ms
Fully Loaded Time	2.0s
Performance	71%
Accessibility	98%
Best Practices	83%
SEO	83%

RUG-PULL REVIEW

Base on the available information analysed by us, we come to the following conclusions:

- Locked Liquidity

  (Unlocked Date: Jun-11-2023 11:07:00 PM +UTC)

- TOP 5 Holder: 53.4273% Held
- Team KYC by Assure DeFi

HONEYPOT REVIEW

- Ability to sell
- Owner is not able to pause the contract
- The Owner Can set buy tax up to 30% and sell tax up to 30%

Note: Please check the disclaimer above and note, the audit makes no statements or warranties on business model, investment attractiveness or code sustainability. The report is provided for the only contract mentioned in the report and does not include any other potential contracts deployed by the project owner.