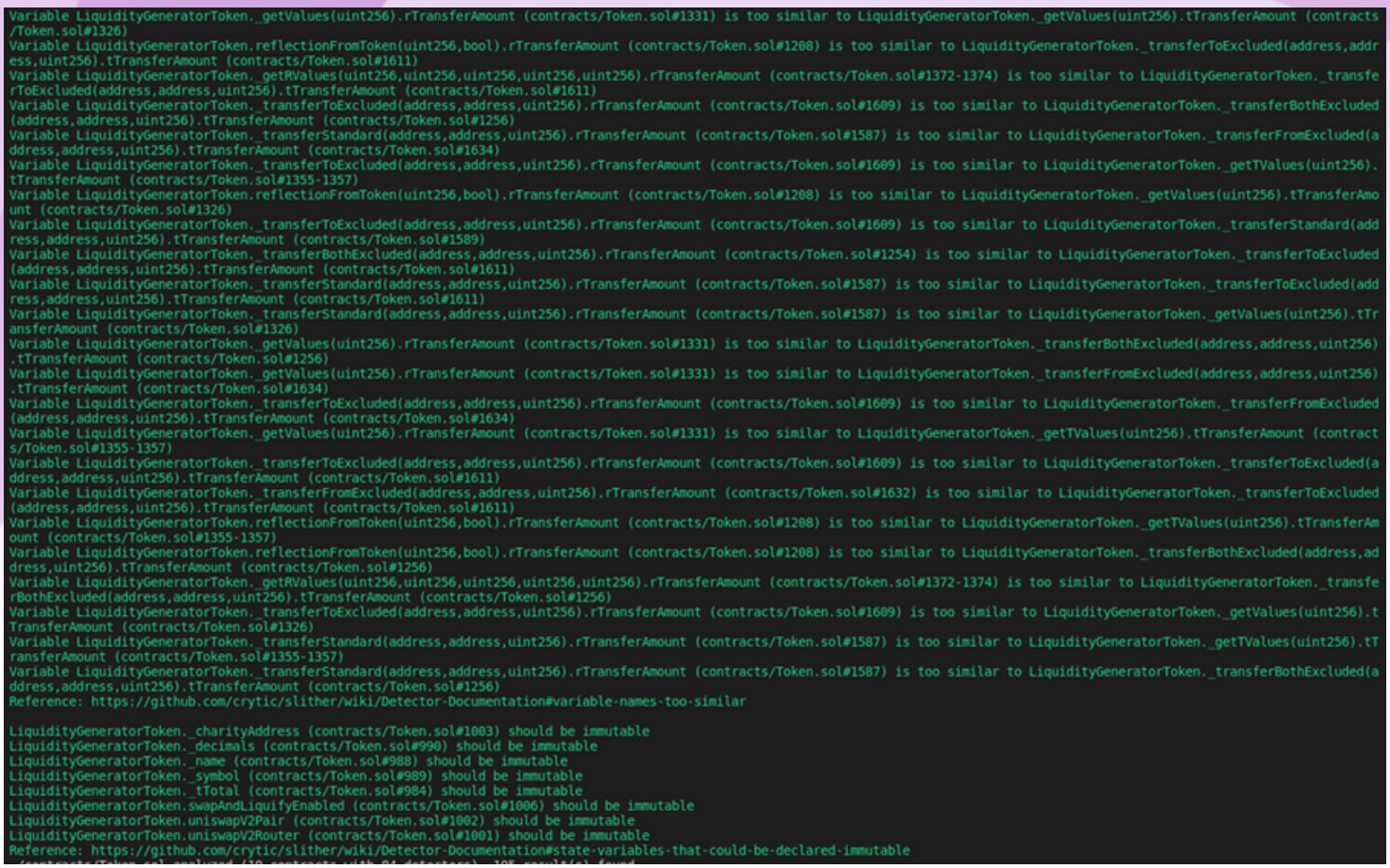
STATIC ANALYSIS



```
Variable LiquidityGeneratorToken._getValues(uint256).rTransferAmount (contracts/Token.sol#1331) is too similar to LiquidityGeneratorToken._getValues(uint256).tTransferAmount (contracts
/Token.sol#1326)
Variable LiquidityGeneratorToken.reflectionFromToken(uint256,bool).rTransferAmount (contracts/Token.sol#1208) is too similar to LiquidityGeneratorToken._transferToExcluded(address,addr
ess,uint256).tTransferAmount (contracts/Token.sol#1611)
Variable LiquidityGeneratorToken._getRValues(uint256,uint256,uint256,uint256,uint256).rTransferAmount (contracts/Token.sol#1372-1374) is too similar to LiquidityGeneratorToken._transfe
rToExcluded(address,address,uint256).tTransferAmount (contracts/Token.sol#1611)
Variable LiquidityGeneratorToken._transferToExcluded(address,address,uint256).rTransferAmount (contracts/Token.sol#1609) is too similar to LiquidityGeneratorToken._transferBothExcluded
(address,address,uint256).tTransferAmount (contracts/Token.sol#1256)
Variable LiquidityGeneratorToken._transferStandard(address,address,uint256).rTransferAmount (contracts/Token.sol#1587) is too similar to LiquidityGeneratorToken._transferFromExcluded(a
ddress,address,uint256).tTransferAmount (contracts/Token.sol#1634)
Variable LiquidityGeneratorToken._transferToExcluded(address,address,uint256).rTransferAmount (contracts/Token.sol#1609) is too similar to LiquidityGeneratorToken._getTValues(uint256).
tTransferAmount (contracts/Token.sol#1355-1357)
Variable LiquidityGeneratorToken.reflectionFromToken(uint256,bool).rTransferAmount (contracts/Token.sol#1208) is too similar to LiquidityGeneratorToken._getValues(uint256).tTransferAmo
unt (contracts/Token.sol#1326)
Variable LiquidityGeneratorToken._transferToExcluded(address,address,uint256).rTransferAmount (contracts/Token.sol#1609) is too similar to LiquidityGeneratorToken._transferStandard(add
ress,address,uint256).tTransferAmount (contracts/Token.sol#1589)
Variable LiquidityGeneratorToken._transferBothExcluded(address,address,uint256).rTransferAmount (contracts/Token.sol#1254) is too similar to LiquidityGeneratorToken._transferToExcluded
(address,address,uint256).tTransferAmount (contracts/Token.sol#1611)
Variable LiquidityGeneratorToken._transferStandard(address,address,uint256).rTransferAmount (contracts/Token.sol#1587) is too similar to LiquidityGeneratorToken._transferToExcluded(add
ress,address,uint256).tTransferAmount (contracts/Token.sol#1611)
Variable LiquidityGeneratorToken._transferStandard(address,address,uint256).rTransferAmount (contracts/Token.sol#1587) is too similar to LiquidityGeneratorToken._getValues(uint256).tTr
ansferAmount (contracts/Token.sol#1326)
Variable LiquidityGeneratorToken._getValues(uint256).rTransferAmount (contracts/Token.sol#1331) is too similar to LiquidityGeneratorToken._transferBothExcluded(address,address,uint256)
.tTransferAmount (contracts/Token.sol#1256)
Variable LiquidityGeneratorToken._getValues(uint256).rTransferAmount (contracts/Token.sol#1331) is too similar to LiquidityGeneratorToken._transferFromExcluded(address,address,uint256)
.tTransferAmount (contracts/Token.sol#1634)
Variable LiquidityGeneratorToken._transferToExcluded(address,address,uint256).rTransferAmount (contracts/Token.sol#1609) is too similar to LiquidityGeneratorToken._transferFromExcluded
(address,address,uint256).tTransferAmount (contracts/Token.sol#1634)
Variable LiquidityGeneratorToken._getValues(uint256).rTransferAmount (contracts/Token.sol#1331) is too similar to LiquidityGeneratorToken._getTValues(uint256).tTransferAmount (contract
s/Token.sol#1355-1357)
Variable LiquidityGeneratorToken._transferToExcluded(address,address,uint256).rTransferAmount (contracts/Token.sol#1609) is too similar to LiquidityGeneratorToken._transferToExcluded(a
ddress,address,uint256).tTransferAmount (contracts/Token.sol#1611)
Variable LiquidityGeneratorToken._transferFromExcluded(address,address,uint256).rTransferAmount (contracts/Token.sol#1632) is too similar to LiquidityGeneratorToken._transferToExcluded
(address,address,uint256).tTransferAmount (contracts/Token.sol#1611)
Variable LiquidityGeneratorToken.reflectionFromToken(uint256,bool).rTransferAmount (contracts/Token.sol#1208) is too similar to LiquidityGeneratorToken._getTValues(uint256).tTransferAm
ount (contracts/Token.sol#1355-1357)
Variable LiquidityGeneratorToken.reflectionFromToken(uint256,bool).rTransferAmount (contracts/Token.sol#1208) is too similar to LiquidityGeneratorToken._transferBothExcluded(address,ad
dress,uint256).tTransferAmount (contracts/Token.sol#1256)
Variable LiquidityGeneratorToken._getRValues(uint256,uint256,uint256,uint256,uint256).rTransferAmount (contracts/Token.sol#1372-1374) is too similar to LiquidityGeneratorToken._transfe
rBothExcluded(address,address,uint256).tTransferAmount (contracts/Token.sol#1256)
Variable LiquidityGeneratorToken._transferToExcluded(address,address,uint256).rTransferAmount (contracts/Token.sol#1609) is too similar to LiquidityGeneratorToken._getValues(uint256).t
TransferAmount (contracts/Token.sol#1326)
Variable LiquidityGeneratorToken._transferStandard(address,address,uint256).rTransferAmount (contracts/Token.sol#1587) is too similar to LiquidityGeneratorToken._getTValues(uint256).tT
ransferAmount (contracts/Token.sol#1355-1357)
Variable LiquidityGeneratorToken._transferStandard(address,address,uint256).rTransferAmount (contracts/Token.sol#1587) is too similar to LiquidityGeneratorToken._transferBothExcluded(a
ddress,address,uint256).tTransferAmount (contracts/Token.sol#1256)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#variable-names-too-similar

LiquidityGeneratorToken._charityAddress (contracts/Token.sol#1003) should be immutable
LiquidityGeneratorToken._decimals (contracts/Token.sol#990) should be immutable
LiquidityGeneratorToken._name (contracts/Token.sol#988) should be immutable
LiquidityGeneratorToken._symbol (contracts/Token.sol#989) should be immutable
LiquidityGeneratorToken._tTotal (contracts/Token.sol#984) should be immutable
LiquidityGeneratorToken.swapAndLiquifyEnabled (contracts/Token.sol#1006) should be immutable
LiquidityGeneratorToken.uniswapV2Pair (contracts/Token.sol#1002) should be immutable
LiquidityGeneratorToken.uniswapV2Router (contracts/Token.sol#1001) should be immutable
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#state-variables-that-could-be-declared-immutable
```

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

No major issues were found in the output

FUNCTIONAL TESTING

Router (PCS V2):
0xD99D1c33F9fC3444f8101754aBC46c52416550D1

1- Adding liquidity (passed):
https://testnet.bscscan.com/tx/0xf9191c0ae283c34ec823a0ff0543a9dd6aeb876d9c96047fa67fc661cbdeb66c

2- Buying when excluded (0% tax) (passed):
https://testnet.bscscan.com/tx/0xcd24df1edaaf7c939d72d1bddcc28097dad43bbaea3214d47158750d334daef8

3- Selling when excluded (0% tax) (passed):
https://testnet.bscscan.com/tx/0x445f18c177483ad923e5e526ab770b4a874bfc203b7eff2dc00d4114c42e569d

4- Transferring when excluded from fees (0% tax) (passed):
https://testnet.bscscan.com/tx/0x5d8ef9ca0bcf36752f258929fb57e9d44a139e6a3d1dcb8392ea267aeae91342

5- Buying from a regular wallet (0-25% tax) (passed):
https://testnet.bscscan.com/tx/0xe2dfab748e6555ac8bf860550756e1208d2174ff2852a0a3c74829853daf15a5

6- Selling from a regular wallet (0-25% tax) (passed):
https://testnet.bscscan.com/tx/0xb96058e57302fd994c9cda387441fb65af2aff813fcc0957909966d55b917a7f

FUNCTIONAL TESTING

7- Transferring from a regular wallet (0-25% tax) (passed):

https://testnet.bscscan.com/tx/0xd60eca072dd4ad3494ae4fc5926a07fe7cb82088a496b9dfb674312bf8fb01c5

8- Internal swap (marketing bnb + auto-liquidity) (passed):

https://testnet.bscscan.com/tx/0xb96058e57302fd994c9cda387441fb65af2aff813fcc0957909966d55b917a7f

MANUAL TESTING

Category: Centralization
Subject: Fee setting and updating
Severity: Medium
Status: not applicable
Overview:
The contract allows the owner to set and update various fees, including tax, liquidity, and charity fees. This centralizes control over the fee structure.
Each type of tax (buy, sell, transfer) can have 0-25% fee.
Code:
function setTaxFeePercent(uint256 taxFeeBps) external onlyOwner { ... }
function setLiquidityFeePercent(uint256 liquidityFeeBps) external onlyOwner { ... }
function setCharityFeePercent(uint256 charityFeeBps) external onlyOwner { ... }

Suggestion:
Ensure that sum of max buy and sell fee is less than 25%
buy + sell fee <= 25%
transfer fee <= 5%

MANUAL TESTING

Category: Centralization
Subject: Exclusion from fees and rewards
Severity: Informational
Status: not applicable
Overview:
The contract allows the owner to exclude certain addresses from fees and rewards. This centralizes control over the fee and reward distribution.

Code:
function excludeFromReward(address account) public onlyOwner {...}
function includeInReward(address account) external onlyOwner {...}
function excludeFromFee(address account) public onlyOwner {...}

Suggestion:
Consider implementing a decentralized governance mechanism to allow the community to decide on the exclusion or inclusion of addresses in fees and rewards.

MANUAL TESTING

Category: Centralization
Subject: Swap and liquify settings
Severity: Informational
Status: not applicable
Overview:
The contract allows the owner to set the swap back settings, which affects the swap and liquify process. This centralizes control over the contract's liquidity management.
Setting swap threshold to a large number can increase slippage % on sells
Code:
function setSwapBackSettings(uint256 _amount) external onlyOwner { ... }

Suggestion:
Consider implementing a decentralized governance mechanism to allow the community to decide on the swap back settings and other liquidity management parameters.

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