



Cyberscope

# Audit Report

## **Bad Idea AI**

August 2023

Network     ETH

Address     0x32b86b99441480a7e5bd3a26c124ec2373e3f015

Audited by   © cyberscope

# Analysis

● Critical ● Medium ● Minor / Informative ● Pass

Severity	Code	Description	Status
●	ST	Stops Transactions	Passed
●	OTUT	Transfers User's Tokens	Passed
●	ELFM	Exceeds Fees Limit	Passed
●	MT	Mints Tokens	Passed
●	BT	Burns Tokens	Passed
●	BC	Blacklists Addresses	Passed

# Diagnostics

● Critical ● Medium ● Minor / Informative

Severity	Code	Description	Status
●	L19	Stable Compiler Version	Unresolved

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## Review

Contract Name	BADIdeaAI
Compiler Version	v0.8.13+commit.abaa5c0e
Optimization	200 runs
Explorer	<a href="https://etherscan.io/address/0x32b86b99441480a7e5bd3a26c124ec2373e3f015">https://etherscan.io/address/0x32b86b99441480a7e5bd3a26c124ec2373e3f015</a>
Address	0x32b86b99441480a7e5bd3a26c124ec2373e3f015
Network	ETH
Symbol	BAD
Decimals	18
Total Supply	831,041,059,897,327

## Audit Updates

Initial Audit	14 Aug 2023
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## Source Files

Filename	SHA256
<b>contracts/badai.sol</b>	2c2b61b79f5ad90c311ef6196cb73762bb 83352b8afad49c023e5df8033caf15
<b>@openzeppelin/contracts/utils/Context.sol</b>	1458c260d010a08e4c20a4a517882259a2 3a4baa0b5bd9add9fb6d6a1549814a
<b>@openzeppelin/contracts/token/ERC20/IERC20.sol</b>	c2b06bb4572bb4f84bfc5477dad0fcc497 cb66c3a1bd53480e68bedc2e154a6
<b>@openzeppelin/contracts/token/ERC20/ERC20.sol</b>	f7831910f2ed6d32acff6431e5998baf50e4 a00121303b27e974aab0ec637d79
<b>@openzeppelin/contracts/token/ERC20/extensions /IERC20Metadata.sol</b>	af5c8a77965cc82c33b7ff844deb9826166 689e55dc037a7f2f790d057811990
<b>@openzeppelin/contracts/token/ERC20/extensions /ERC20Burnable.sol</b>	0344809a1044e11ece2401b4f7288f414ea 41fa9d1dad24143c84b737c9fc02e

## Findings Breakdown

Severity	Code	Description	Status
●	L19	Stable Compiler Version	Unresolved

## L19 - Stable Compiler Version

<b>Criticality</b>	Minor / Informative
<b>Location</b>	contracts/badai.sol#L2
<b>Status</b>	Unresolved

### Description

The `^` symbol indicates that any version of Solidity that is compatible with the specified version (i.e., any version that is a higher minor or patch version) can be used to compile the contract. The version lock is a mechanism that allows the author to specify a minimum version of the Solidity compiler that must be used to compile the contract code. This is useful because it ensures that the contract will be compiled using a version of the compiler that is known to be compatible with the code.

```
pragma solidity ^0.8.9;
```

### Recommendation

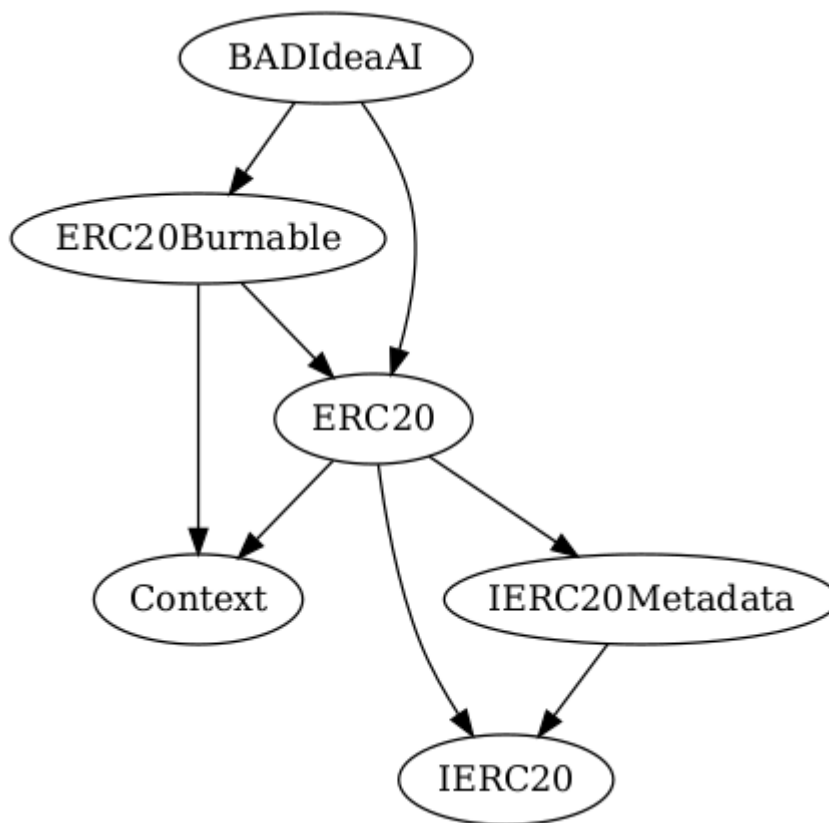
The team is advised to lock the pragma to ensure the stability of the codebase. The locked pragma version ensures that the contract will not be deployed with an unexpected version. An unexpected version may produce vulnerabilities and undiscovered bugs. The compiler should be configured to the lowest version that provides all the required functionality for the codebase. As a result, the project will be compiled in a well-tested LTS (Long Term Support) environment.



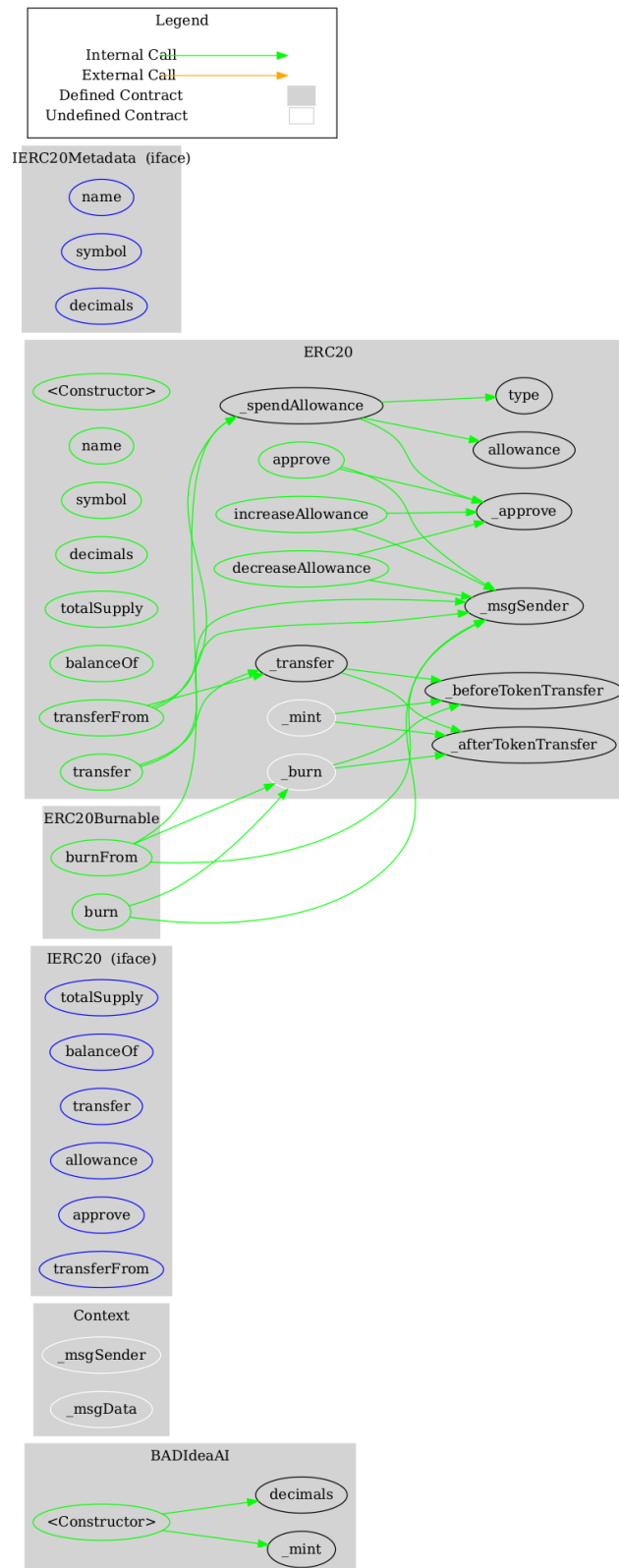
## Functions Analysis

Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
BADIdeaAI	Implementation	ERC20, ERC20Burnable		
		Public	✓	ERC20

## Inheritance Graph



# Flow Graph



## Summary

Bad Idea AI contract implements a token mechanism. This audit investigates security issues, business logic concerns and potential improvements. Bad Idea AI is an interesting project that has a friendly and growing community. The Smart Contract analysis reported no compiler error or critical issues. The contract Owner can access some admin functions that can not be used in a malicious way to disturb the users' transactions.

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## About Cyberscope

Cyberscope is a blockchain cybersecurity company that was founded with the vision to make web3.0 a safer place for investors and developers. Since its launch, it has worked with thousands of projects and is estimated to have secured tens of millions of investors' funds.

Cyberscope is one of the leading smart contract audit firms in the crypto space and has built a high-profile network of clients and partners.



**The Cyberscope team**

<https://www.cyberscope.io>