

# Kirobo Staking contract / September 2020

## Files in scope

<https://github.com/kiroboio/ki-eth-token/blob/597a33855d849a0e15bd17ac314997f4f1bb1d52/contracts/Unipool.sol> (The file has been later renamed to Staking.sol)

## Current status

All reported issues have been addressed by the developer.

# Issues

## 1. Tokens can get stuck in the contract

*Type: usability / Severity: medium*

if `s_totalSupply == 0`, `s_rewardPerTokenStored` won't be updated, but `s_lastUpdateTime` will, which will result in the KIRO tokens for the period being stuck in the contract forever.

*status - fixed*

The issue is no longer present in

<https://github.com/kiroboio/ki-eth-token/blob/8b63db2dc85e938f81939da2a71e313722f770d9/contracts/Staking.sol>

## 2. Contract makes it difficult to add new rewards without increasing the reward rate

*Type: usability / Severity: medium*

It will be very difficult in practice to call `addReward` before the last period finished without increasing the `s_rewardRate`.

*status - fixed*

The issue is no longer present in

<https://github.com/kiroboio/ki-eth-token/blob/8b63db2dc85e938f81939da2a71e313722f770d9/contracts/Staking.sol>