# Laporan Pengembangan Game

# Adventure Ninja FrogTol



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**4502**

**PROGRAM STUDI TEKNIK INFORMATIKA S-1**

**FAKULTAS ILMU KOMPUTER**

**UNIVERSITAS DIAN NUSWANTORO**

**SEMARANG**

# Daftar Isi

[Laporan Pengembangan Game 1](#_Toc92688785)

[Adventure Ninja FrogTol 1](#_Toc92688786)

[Daftar Isi 2](#_Toc92688787)

[A. Tentang Game 3](#_Toc92688788)

[i. Deskripsi 3](#_Toc92688789)

[ii. Screenshot 1 buah 3](#_Toc92688790)

[B. Detail Pengembangan Aplikasi 4](#_Toc92688791)

[i. Flow Chart 4](#_Toc92688792)

[ii. Class Diagram 5](#_Toc92688793)

[iii. Screenshoot Lengkap 6](#_Toc92688794)

[C. Referensi 12](#_Toc92688795)

[i. Asset Player 12](#_Toc92688796)

[ii. Background 12](#_Toc92688797)

[iii. Button 12](#_Toc92688798)

[iv. Musik 12](#_Toc92688799)

[v. Obstacle 13](#_Toc92688800)

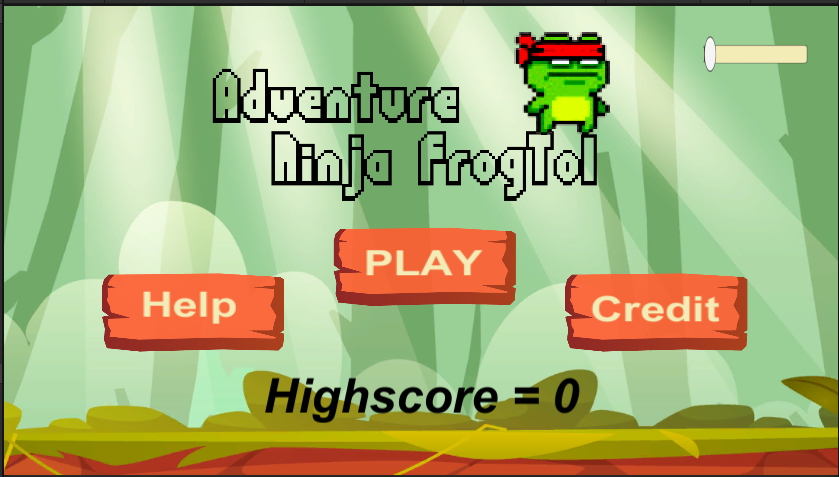
[vi. Mekanik 13](#_Toc92688801)

# Tentang Game

## Deskripsi

Adventure Ninja Fragtol adalah sebuah game yang terinspirasi dari game flappybird. Game ini bertemakan katak ninja yang mempunyai misi untuk mencapai skor sebanyaknya ketika melewati rintangan yang telah disajikan. Katak ini juga bisa terbang ketika melewati berbagai rintangan dan level yang berbeda. Gameplay katak saya cukup mudah tekan tap untuk melakukan melompati rintangan, fitur game ini adalah multilevel, ganti background tiap level, jenis musuh berbeda tiap level, pause, reset, resume, exit, dan volume music.

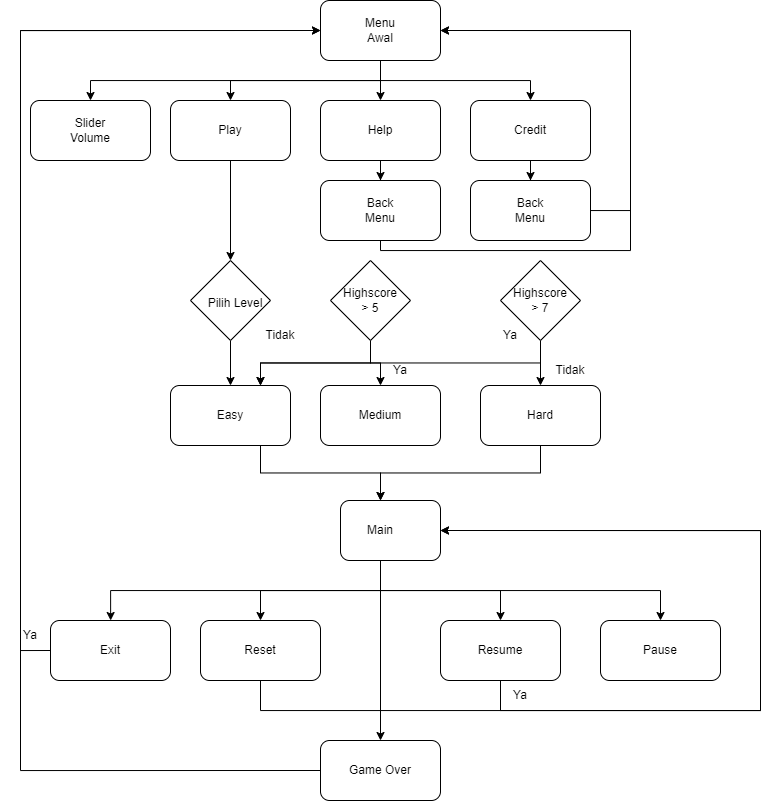
## Screenshot 1 buah



gambar 1 menu Adventure Ninja Frogtol

# Detail Pengembangan Aplikasi

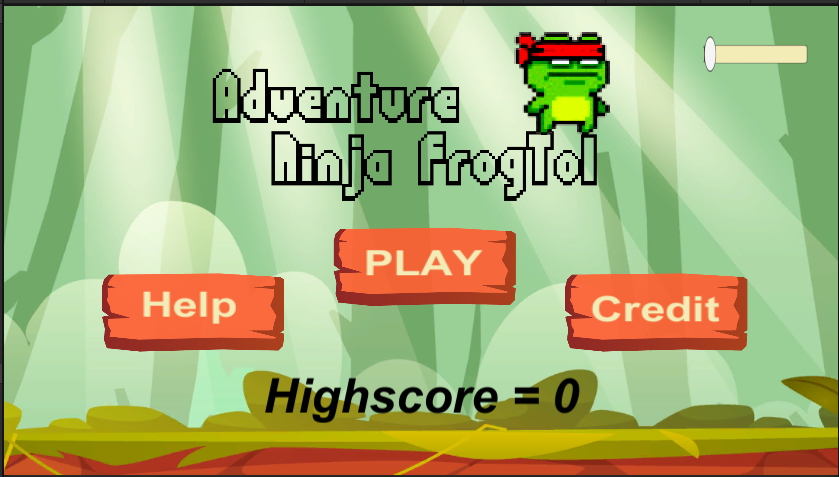
## Flow Chart



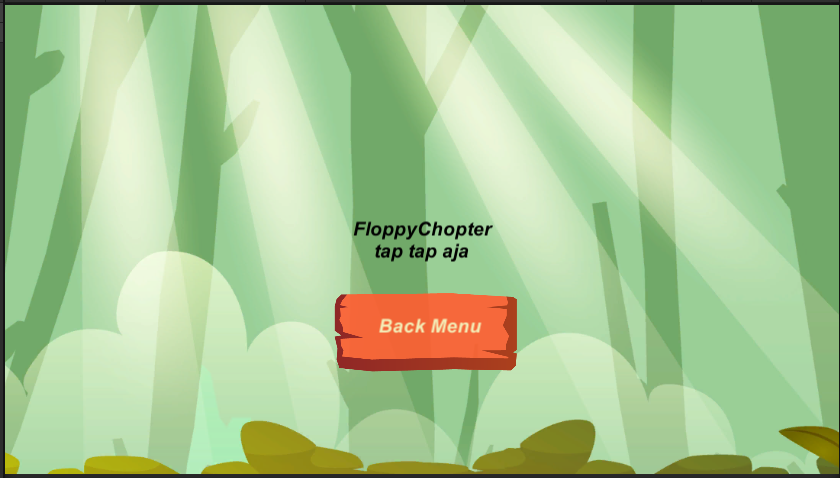
## Class Diagram



## Screenshoot Lengkap



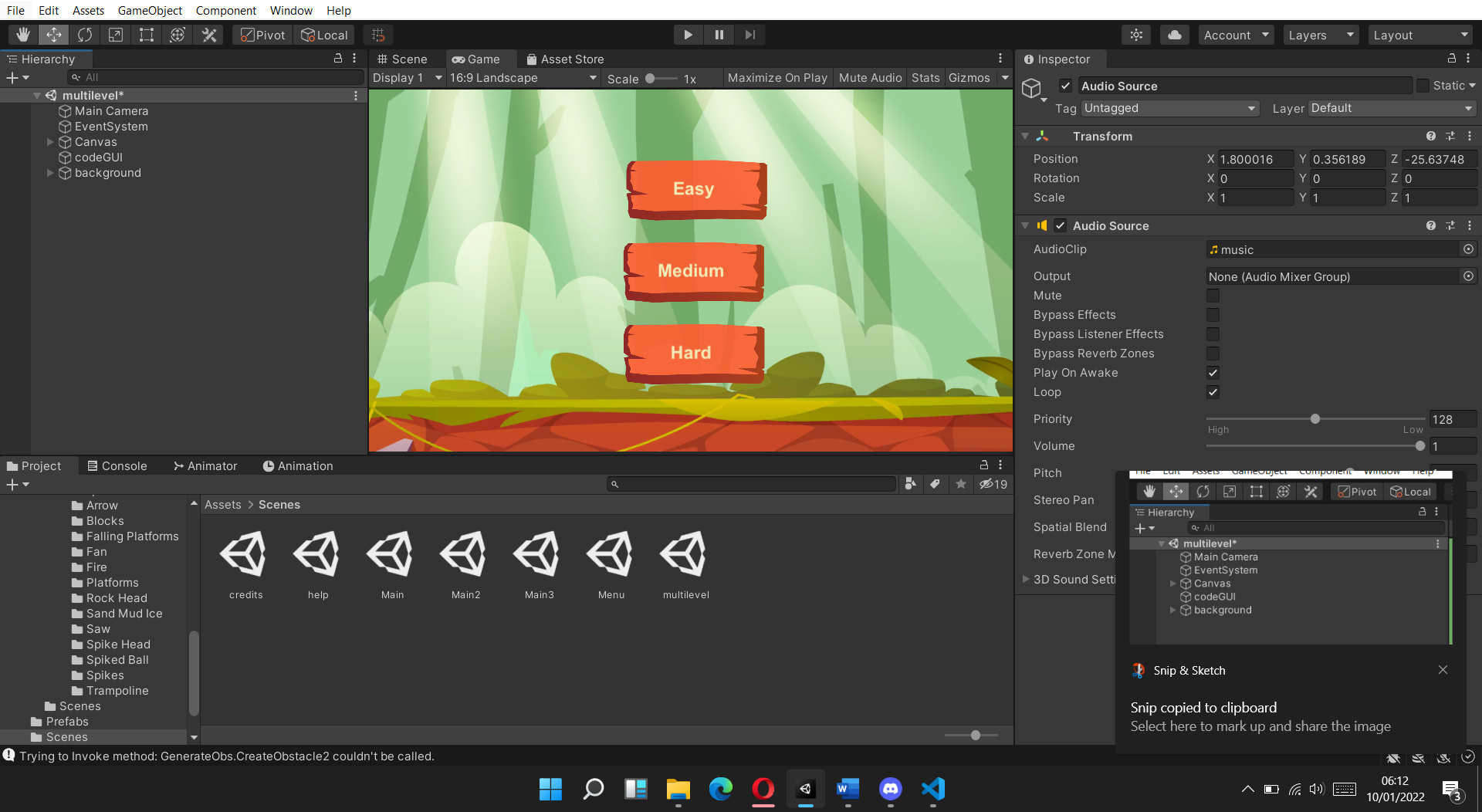
Gambar 2 Home



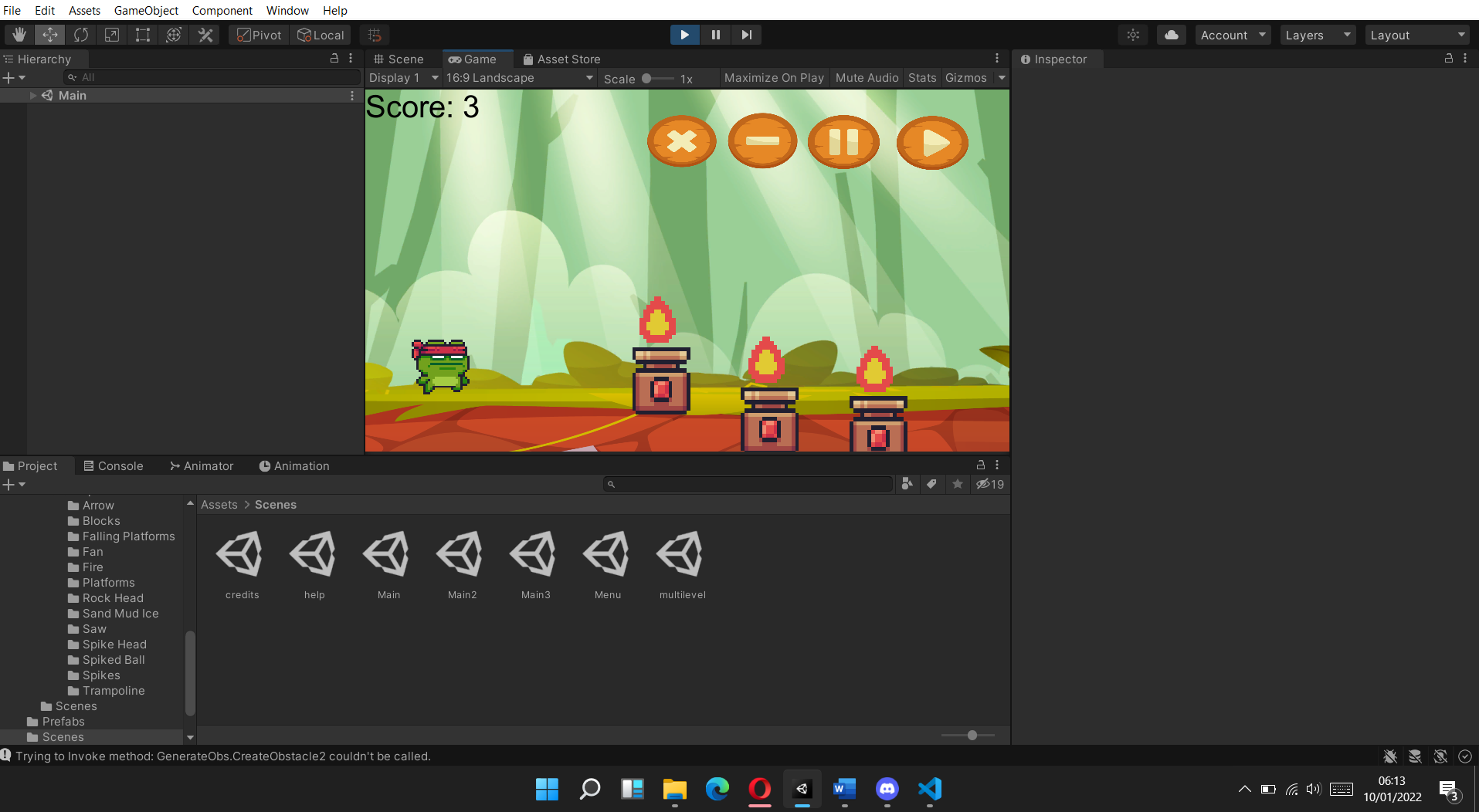
gambar 3 Help



Gambar 4 Credit



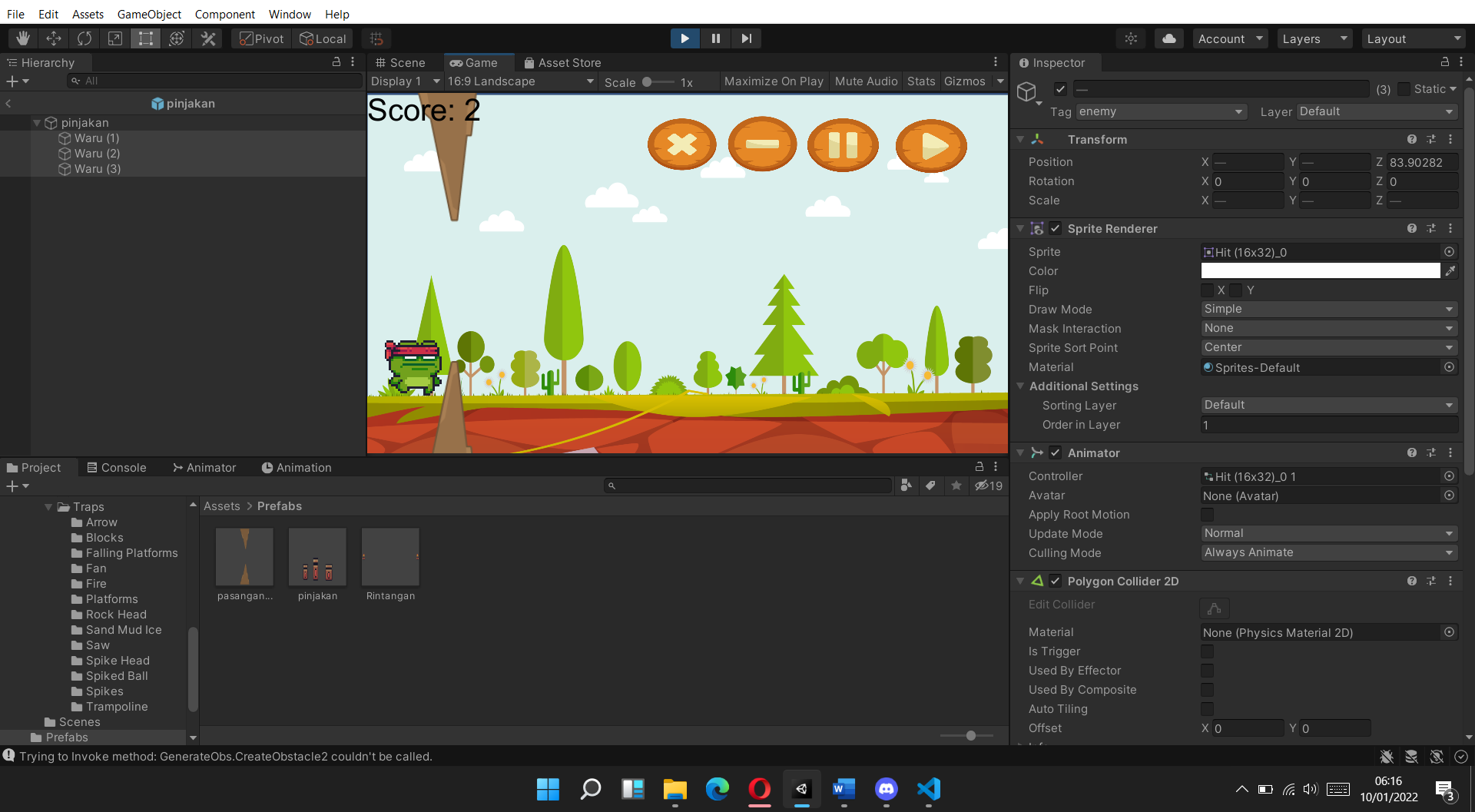
gambar 5 Multilevel



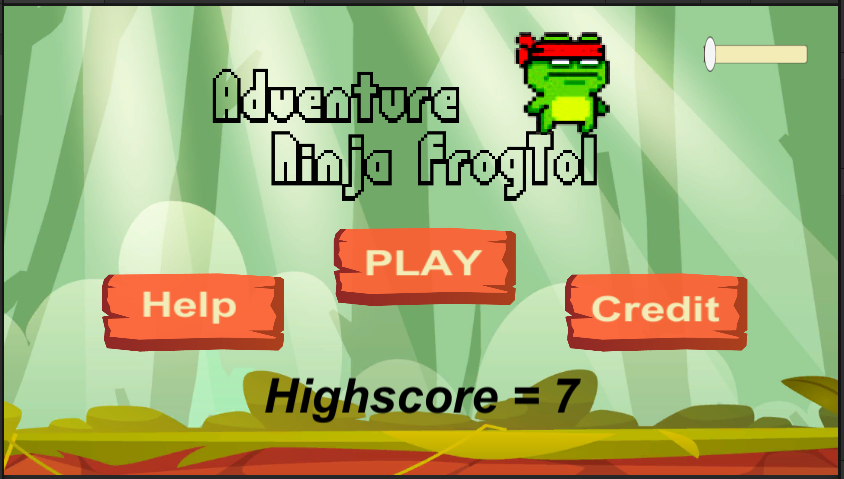
Gambar 6 Easy



gambar 7 Medium



Gambar 8 Hard



gambar 9 HighScore

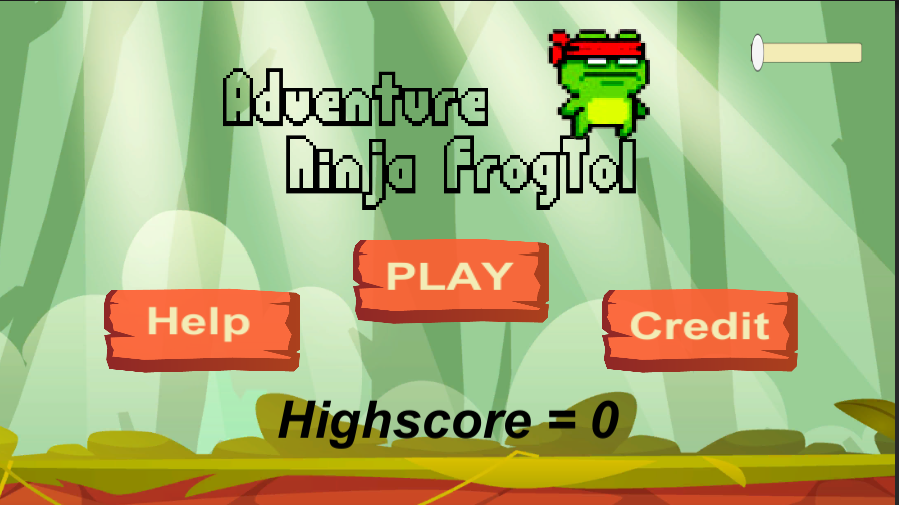
Gambar 10 Pause



gambar 11 Resume



Gambar 12 Reset

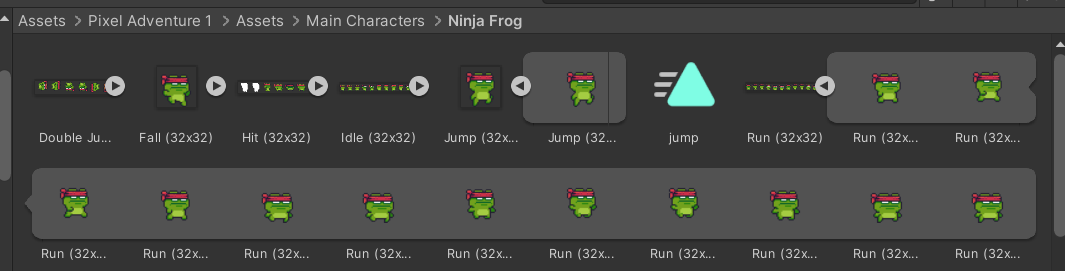


gambar 13 Exit

# Referensi

## Asset Player

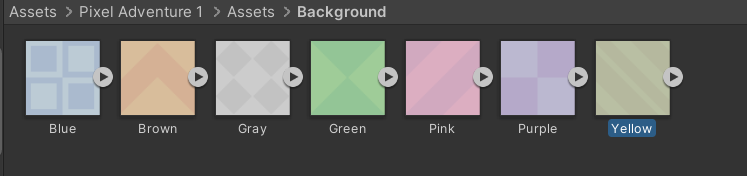
<https://assetstore.unity.com/packages/2d/characters/pixel-adventure-1-155360>



## Background

* **Asset Pixel Adventure 1**

<https://assetstore.unity.com/packages/2d/characters/pixel-adventure-1-155360>



* **Asset Background main dan tanah**

https://www.freepik.com/free-vector/game-platform-cartoon-forest-landscape-2d-ui-design-computer-mobile-bright-wood-with-green-trees-grass-lianas-background-with-arcade-elements-jumping-bonus-items-nature-locations\_12345468.htm#query=game%20design&position=1&from\_view=keyword

* **Asset background Hard**

<https://www.background.id/2018/06/download-80-background-game-gratis.html>

## Button

* **Play, Resume, Reset, Exit**

<https://www.freepik.com/free-vector/button-set-designed-game-user-interface-gui-illustration-video-games-computers_17631672.htm?query=game%20design>

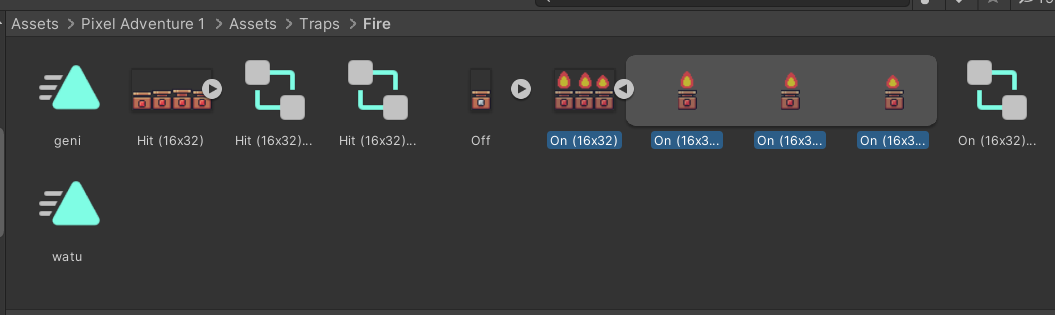
## Musik

Music Pertemuan5\_6 gamepro

## Obstacle

* **Rintagan Easy**

<https://assetstore.unity.com/packages/2d/characters/pixel-adventure-1-155360>



* **Rintangan Medium**

<https://assetstore.unity.com/packages/2d/characters/pixel-adventure-1-155360>

* **Rintangan Hard**

Asset atas bawah Pertemuan4 gamepro

## Mekanik

* **Background, player, obstacle, scoring**

Pertemuan4 gamepro

* **Music**

Pertemuan5\_6 gamepro

* **Finite State Machine**

Pertemuan7\_8 gamepro

* **Save & load, Highscore, multilevel**

Pertemuan9 gamepro

* **Scene yang berbeda**

Pertemuan9 (multilevel)+ pertemuan4(background, obstacle)

* **Pause, reset, resume, exit**

https://www.youtube.com/watch?v=tfzwyNS1LUY

* **Kecepatan rintangan**

Pertemuan 4

* Volume

https://youtu.be/-xvoJ7Q4vw0