

Praktikum Pemrograman Berorientasi Objek

INF2153

LAPORAN Project UAS: Membuat Game

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🦠 bg - Tembak-Pesawat-main
 Class Edit Tools Options
bg 🔤 X
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   import greenfoot.*;
/**
     * Write a description of class bg here.
    * @author Abdur Rozaq,Robbal Baroya,Rifka Adestya Gustam,Nasrullah
* @version 1.0.0
*/
   public class bg extends World {
        Counter counter = new Counter("Skor: ");
        * Constructor for objects of class bg.
             // Create a new world with 600x400 cells with a cell size of 1x1 pixels
            super(854, 480, 1);
setPaintOrder(skor.class, api.class, awan.class, ps.class, ufo.class, Counter.class, peluru1.class, peluru2.class);
addObject(new ga(),690,215);
addObject(new ps(),69,215);
addObject(new ufo(),790,328);
             addObject(counter, 120, 450);
             //Greenfoot.playSound("opening.mp3");
        private GreenfootSound mulai = new GreenfootSound("ms.mp3");{
        public void started() {
    mulai.setVolume(70);
    mulai.play();
         public void act(){
            if(Greenfoot.getRandomNumber(1000)<4){
   addObject(new awan(),853,Greenfoot.getRandomNumber(70));
}</pre>
             if(Greenfoot.getRandomNumber(100)<1){
   addObject(new ufo(),853,Greenfoot.getRandomNumber(479));
}</pre>
         \star Called when game is up. Stop running and display score. \star\prime
        public void selesai()
             addObject(new skor(counter.getValue()), getWidth()/2, getHeight()/2);
Greenfoot.playSound("end.mp3");
             Greenfoot.stop();
```

> counter

```
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  Class Edit Tools Options
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      /**

* Write a description of class Counter here.

*
    * @author Abdur Rozaq,Robbal Baroya,Rifka Adestya Gustam,Nasrullah

* @version 1.0.0

*/
public class Counter extends Actor
          ^{\prime} * Act - do whatever the Counter wants to do. This method is called whenever * the 'Act' or 'Run' button gets pressed in the environment. */
          */
private int value = 0;
private int target = 0;
private String text;
private int stringLength;
         this("");
           public Counter(String prefix)
                text = prefix;
stringLength = (text.length() + 2) * 16;
                setImage(new GreenfootImage(stringLength, 24));
GreenfootImage image = getImage();
Font font = image.getFont();
image.setFont(font.deriveFont(24.0F)); // use larger font
          public void act() {
   if(value < target) {
     value++;
     updateImage();
}</pre>
                 else if(value > target) {
                  value--;
updateImage();
          public void add(int score)
{
          Greenfoot.playSound("coin.mp3");
target += score;
          public void subtract(int score)
{
         target -= score;
          public int getValue()
               return value;
         /**
 * Make the image
 */
          private void updateImage()
               GreenfootImage image = getImage();
image.clear();
image.drawString(text + value, 1, 18);
image.setColor(Color.WHITE);
```

> api

```
🐧 api - Tembak-Pesawat-main
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   Class Edit Tools Options
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      import greenfoot.*;
      /**
    * Write a description of class api here.
    *
        * @author Abdur Rozaq,Robbal Baroya,Rifka Adestya Gustam,Nasrullah
* @version (a version number or a date)
     public class api extends Actor
            private final static int IMAGE_COUNT= 8;
private static GreenfootImage[] images;
private int size=0;
private int increment=1;
             public api() {
                      initialiseImages()
                     setImage(images[0]);
Greenfoot.playSound("fire.wav");
                * Create the images for explosion.
             */
public synchronized static void initialiseImages() {
   if(images == null) {
      GreenfootImage baseImage = new GreenfootImage("api.png");
      int maxSize = baseImage.getWidth()*2;
      int delta = maxSize / (IMAGE_COUNT+1);
      int size = 0;
      images = new GreenfootImage[IMAGE_COUNT];

   for(int 1=0; i < IMAGE_COUNT; 1++) {
      size = size + delta;
      images[i] = new GreenfootImage(baseImage);
      images[i] scale(size, size);
   }
}</pre>
              public void act()
                      setImage(images[size]);
                     size += increment;
if(size>=IMAGE_COUNT) {
   increment = -increment;
   size += increment;
}
                     if(size <= 0) {
    getWorld().removeObject(this);
}</pre>
```

> awan

```
Savan-Tembak-Pesawat-main

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import greenfoot.*;

/**

* Write a description of class awan here.

* eauthor Abdur Rozaq, Robbal Baroya, Rifka Adestya Gustam, Nasrullah

* eversion 1.0.0

*/

public class awan extends Actor

{

**

* Act - do whatever the awan wants to do. This method is called whenever

* the 'Act' or 'Run' button gets pressed in the environment.

*/

public void act()

{

// Add your action code here.

int x=getX();

int y=getX();

setLocation(x-1,y);

if(x=e){

| GetWorld().removeObject(this);

}

}
```

> peluru1

```
Spelurul - Tembak-Pesawat-main

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** Sauthor Abdur Rozaq, Robbal Baroya, Rifka Adestya Gustam, Nasrullah

**Version (a version number or a date)

*/
public class pelurul extends Actor

{

/**

* Act - do whatever the pelor1 wants to do. This method is called whenever

* the 'Act' or 'Run' button gets pressed in the environment.

*/
public void act()

{

// Add your action code here.

init xspetX();

init yspetY();

setLocation(x-29,y);

if(x == 83){

getWorld().removeObject(this);

return;

}

Actor a = getOneObjectAtOffset(e, 0, ufo.class);

if(a != null){

getWorld().removeObject(new api().getX(),getY());

((bg)getWorld().tambalo().tambalo()).tambalo();

getWorld().removeObject(new api().getX(),getY());

((bg)getWorld().removeObject(a);

getWorld().removeObject(his);

return;

}

Activate Windows
```

> peluru2

> skor

> ufo

> hasil





