

## CHAPTER V

### IMPLEMENTATION AND TESTING

#### 5.1 Implementation

##### 5.1.1 Make Content

This code server to make content for images.

```
header("Content-type: image/png");
```

##### 5.1.2 Make a random key

This code serves to make the random string is in the variable \$ chars.  
In this condition writer make seven random key.

```
$chars="abcdefghijklmnopqrstuvwxyz0123456789";  
srand((double)microtime()* 100000);  
$kode1=$chars[mt_rand(0, strlen($chars)-1)];  
$kode2=$chars[mt_rand(0, strlen($chars)-1)];  
$kode3=$chars[mt_rand(0, strlen($chars)-1)];  
$kode4=$chars[mt_rand(0, strlen($chars)-1)];  
$kode5=$chars[mt_rand(0, strlen($chars)-1)];  
$kode6=$chars[mt_rand(0, strlen($chars)-1)];  
$kode7=$chars[mt_rand(0, strlen($chars)-1)];
```

### 5.1.3 Make Canvas

This code serves to make a canvas for image.

```
$width= 250;  
$height= 120;  
$im=ImageCreate($width, $height);
```

### 5.1.4 Make Background

This code is used to create background images with dashed lines.

```
$bg=imagecolorallocate($im, 233,233,233);  
for($i = 0; $i <= $width; $i++)  
{  
    $i=$i+5;  
    imagedashedline($im, $i, -10, $i,150,$x);  
}
```

### 5.1.5 Make random RGB

This code is used to make random RGB then save in the variable.

```
$u=mt_rand(0,255);  
$v=mt_rand(0,255);  
$w=mt_rand(0,255);  
$x=mt_rand(0,255);  
$y=mt_rand(0,255);  
$z=mt_rand(0,255);
```

#### 5.1.6 Make random Font

This code is used to create random shapes font used to print the results of random keys.

```
$font1='arial.ttf';  
$font2='kartun.ttf';  
$font3='puentebueno.ttf';  
$huruf =array($font1,$font2,$font3);  
$font = $huruf[mt_rand(0,count($huruf)-1)];
```

#### 5.1.7 Make Random Length

This code is to make random number of keys to be displayed in the image CAPTCHA.

```
$length=mt_rand(4,7);
```

#### 5.1.8 Make Cross Line

This code used to make a cross line in background

```
ImageRectangle($im,0,0,$width-1,$height-1,$wh4);  
imageline($im, 0, $height/2, $width, $height/2, $wh4);  
imageline($im, $width/2, 0, $width/2, $height, $wh4);
```

### 5.1.9 Print Images

This code is to print the key to the image CAPTCHA and save the key in \$kode\_sekuriti then sent to PHP SESSION.

```
if($length=="4")
{
    $kode_sekuriti=$kode1.$kode2.$kode3.$kode4;
    ImageTTFText ($sim, 50, $sangle1, $kika1, 70, $wh1,
    $font, $kode1);
    ImageTTFText ($sim, 40, $sangle2, $kika2, 70, $wh2, $font,
    $kode2);
    ImageTTFText ($sim, 40, $sangle3, $kika3, 70, $wh3, $font,
    $kode3);
    ImageTTFText ($sim, 40, $sangle4, $kika4, 70, $wh4, $font,
    $kode4);
    imagepng($sim);
    $_SESSION["kode_sekuriti"]=$kode_sekuriti;
}
elseif($length=="5")
{
    $kode_sekuriti=$kode1.$kode2.$kode3.$kode4.$kode5;
    ImageTTFText ($sim, 50, $sangle1, $kika1, 70, $wh1,
    $font, $kode1);
    ImageTTFText ($sim, 40, $sangle2, $kika2, 70, $wh2,
    $font, $kode2);
    ImageTTFText ($sim, 40, $sangle3, $kika3, 70, $wh3,
    $font, $kode3);
```

```

ImageTTFText ($im, 40, $angle4, $kika4, 70, $wh4,
$font, $kode4);
ImageTTFText ($im, 40, $angle5, $kika5, 70, $wh5,
$font, $kode5);
imagepng($im);
$_SESSION["kode_sekuriti"]=$kode_sekuriti;
}
elseif($length=="6")
{
$kode_sekuriti=$kode1.$kode2.$kode3.$kode4.$kode5.$kode6;
ImageTTFText ($im, 50, $angle1, $kika1, 70, $wh1,
$font, $kode1);
ImageTTFText ($im, 40, $angle2, $kika2, 70, $wh2,
$font, $kode2);
ImageTTFText ($im, 40, $angle3, $kika3, 70, $wh3,
$font, $kode3);
ImageTTFText ($im, 40, $angle4, $kika4, 70, $wh4,
$font, $kode4);
ImageTTFText ($im, 40, $angle5, $kika5, 70, $wh5,
$font, $kode5);
ImageTTFText ($im, 40, $angle5, $kika6, 70, $wh5,
$font, $kode6);
imagepng($im);
$_SESSION["kode_sekuriti"]=$kode_sekuriti;
}

```

```

elseif($length=="7")
{
$kode_sekuriti=$kode1.$kode2.$kode3.$kode4.$kode5.$kode6.$kode7;
    ImageTTFText ($Sim, 50, $angle1, $kika1, 70, $wh1,
    $font, $kode1);
    ImageTTFText ($Sim, 40, $angle2, $kika2, 70, $wh2,
    $font, $kode2);
    ImageTTFText ($Sim, 40, $angle3, $kika3, 70, $wh3,
    $font, $kode3);
    ImageTTFText ($Sim, 40, $angle4, $kika4, 70, $wh4,
    $font, $kode4);
    ImageTTFText ($Sim, 40, $angle5, $kika5, 70, $wh5,
    $font, $kode5);
    ImageTTFText ($Sim, 40, $angle5, $kika6, 70, $wh5,
    $font, $kode6);
    ImageTTFText ($Sim, 40, $angle5, $kika7, 70, $wh5,
    $font, $kode7);
    imagepng($Sim);
    $_SESSION["kode_sekuriti"]=$kode_sekuriti;
}
else
{
    echo "error";
}

```

### **5.1.10 Destroy Image**

**This code is used to destroy the image.**

```
imagedestroy($im);
```

## 5.2 Testing

### 5.2.1 First open the web page

# Free Download File

### Upload Data

No file selected.

Type File :

Nama File	Ukuran (Byte)	Tipe File	Download
Foto000.jpg	33184	Image	<a href="#">Download Now</a>
Foto044.jpg	51799	Image	<a href="#">Download Now</a>
Foto088.jpg	28003	Image	<a href="#">Download Now</a>
06 Damned.mp3	4378069	mp3	<a href="#">Download Now</a>
01 Hey God.mp3	5928700	mp3	<a href="#">Download Now</a>

Fig. 5.2.1 Home Page



## 5.2.2 Browse data

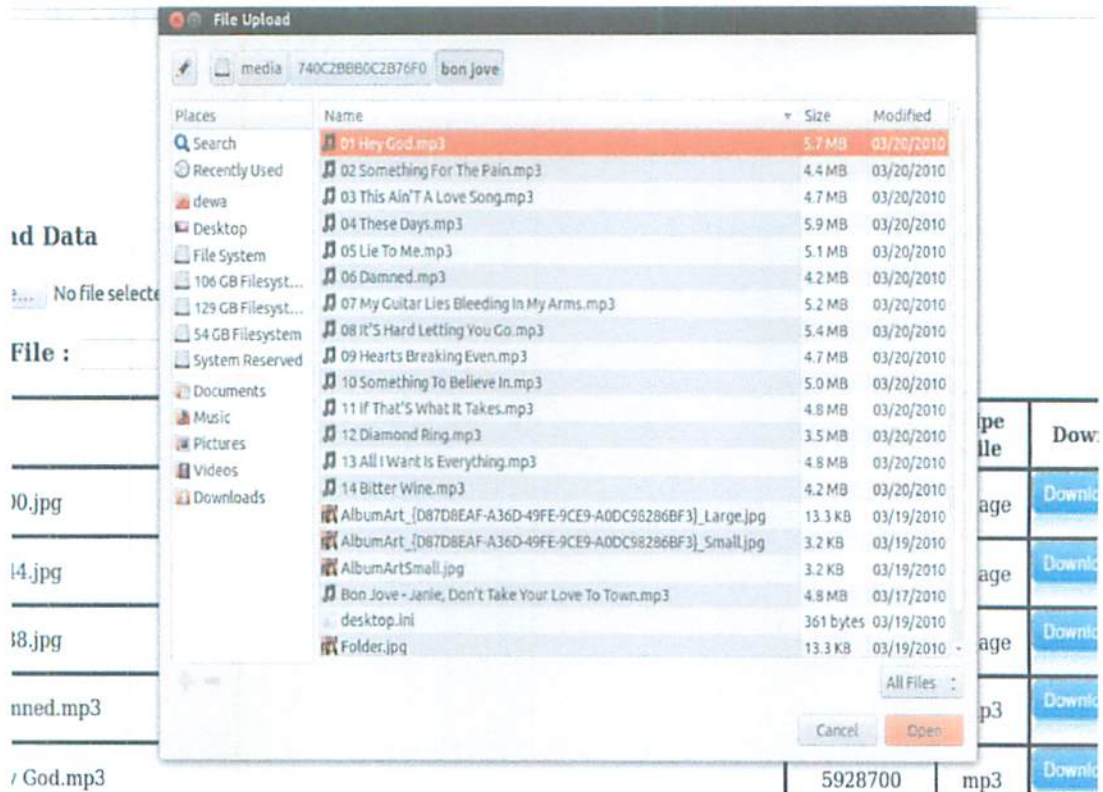


fig. 5.2.2 Browser Data Upload

### 5.2.3 Upload Data

## Upload Data

07 My Guitar Lies Bleeding In My Arms.mp3

**Type File :**

---

fig. 5.2.3 Upload Data

#### 5.2.4 Choose File Download

Nama File	Ukuran (Byte)	Tipe File	Download
Foto000.jpg	33184	Image	<a href="#">Download Now</a>
Foto044.jpg	51799	Image	<a href="#">Download Now</a>
Foto088.jpg	28003	Image	<a href="#">Download Now</a>
06 Damned.mp3	4378069	mp3	<a href="#">Download Now</a>
01 Hey God.mp3	5928700	mp3	<a href="#">Download Now</a>
05 Lie To Me.mp3	5348576	mp3	<a href="#">Download Now</a>
14 Bitter Wine.mp3	4390202	mp3	<a href="#">Download Now</a>
12 Diamond Ring.mp3	3629100	mp3	<a href="#">Download Now</a>
09 Hearts Breaking Even.mp3	4907233	mp3	<a href="#">Download Now</a>
DR00056201312_FIN.pdf	397099	PDF	<a href="#">Download Now</a>

fig. 5.2.4. Choose File

## 5.2.5 Into Form Verification Page

[Back](#)



The image shows a CAPTCHA verification interface. At the top, the word "CAPTCHA" is displayed. Below it is a grid of small, colorful characters that form the word "dwaga". To the left of the grid is a blue circular icon with a white 'C'. Below the grid is a text input field. To the right of the input field is a button labeled "Verifikasi".

fig. 5.2.5 Form Verification

## 5.2.6 Verification CAPTCHA

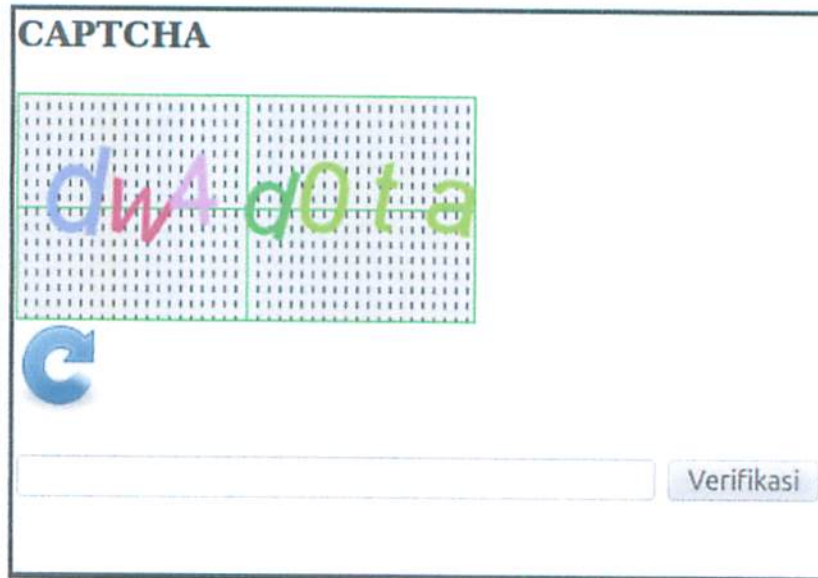


fig. 5.2.6 Verification CAPTCHA

### 5.2.7 Input True Verification

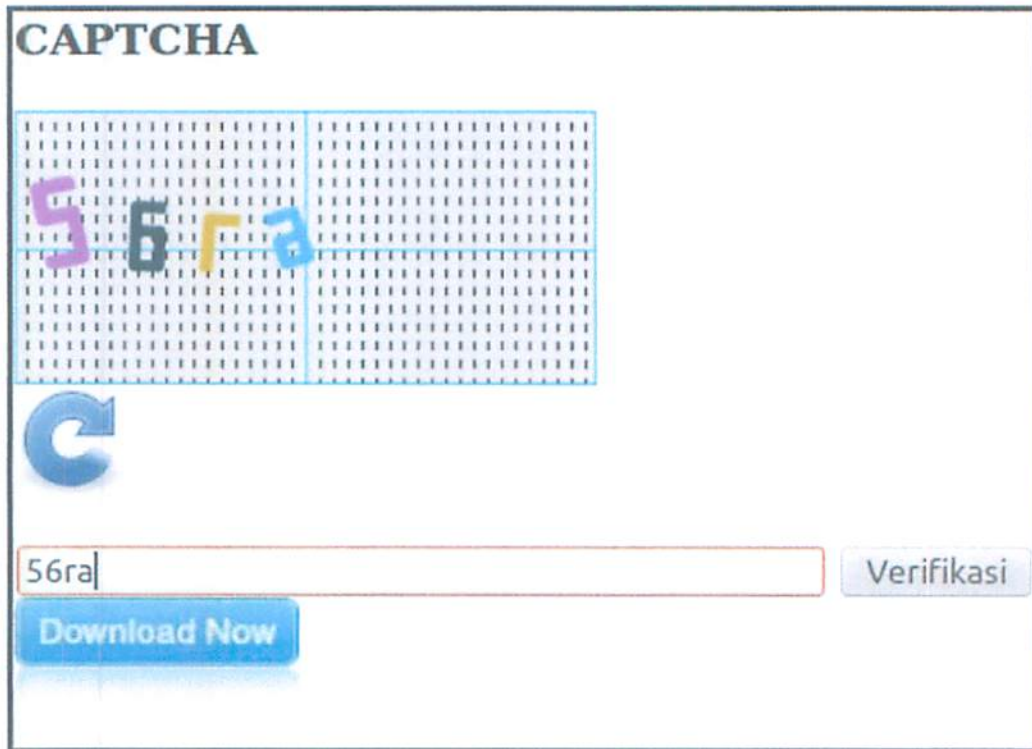


fig 5.2.7 True Verification

### 5.2.8 Input False Verification

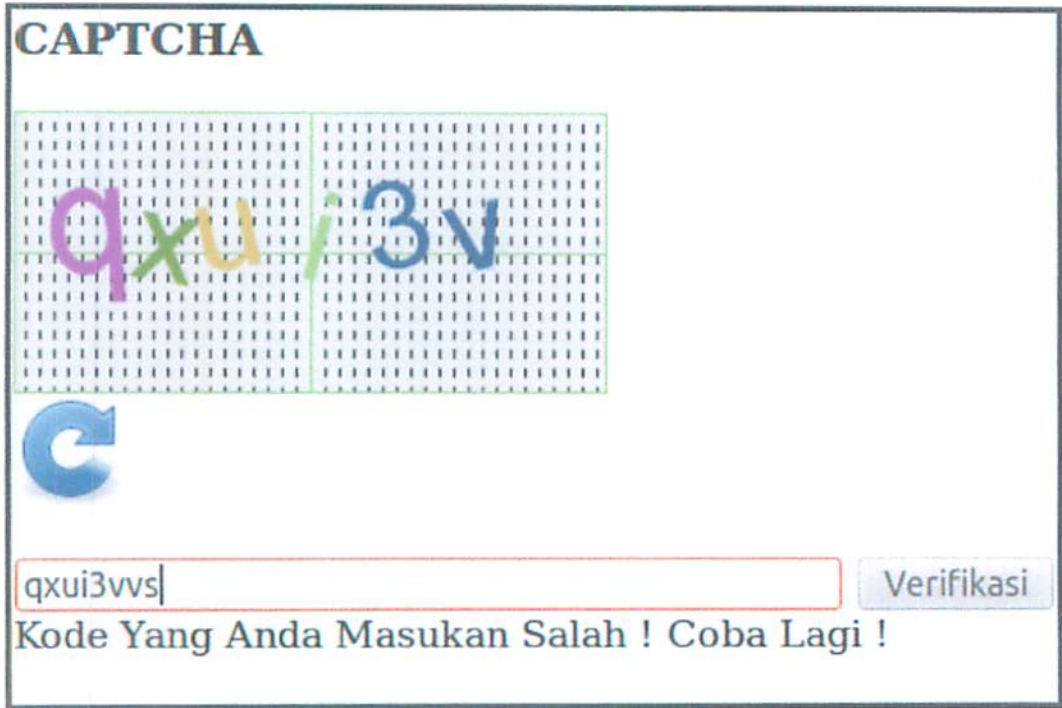


fig. 5.2.8 False Verification