DAFTAR LAMPIRAN

Lampiran- 1. Listing Program Halaman Utama

index.php

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta http-equiv="x-ua-compatible" content="ie=edge">
<title>APLIKASI STEGANOGRAPHY</title>
<link rel="stylesheet" href="plugins/fontawesome-free/css/all.min.css">
<link rel="stylesheet" href="dist/css/adminlte.min.css">
<link href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,400i,700" rel="stylesheet">
<link rel="stylesheet" href="dist/css/dropify.min.css">
</head>
<body class="hold-transition sidebar-collapse layout-top-nav">
<div class="wrapper">
<nav class="main-header navbar navbar-expand-md navbar-light navbar-white">
<div class="container">
<a href="#" class="navbar-brand">
<img src="dist/img/AdminLTELogo.png" alt="AdminLTE Logo" class="brand-image img-circle elevation-3" style="opacity: .8">
<span class="brand-text font-weight-light">StegIPDF</span>
</a>
<div class="collapse navbar-collapse order-3" id="navbarCollapse">
<ul class="navbar-nav">
<li class="nav-item">
<a href="index.php" class="nav-link">Home</a>
</li>
<li class="nav-item">
<a href="page/enkripsi/" class="nav-link">Enkripsi</a>
</li>
<li class="nav-item">
<a href="page/dekripsi/" class="nav-link">Dekripsi</a>
</li>
</ul>
</div>
</div>
```

```
</nav>
<div class="content-wrapper">
<div class="content-header">
<div class="container">
```

```
```

```
<div class="row mb-2">
</div>
</div>
</div>
<div class="content">
<div class="container">
<div class="row">
<div class="col-lg-12">
<div class="card card-primary card-outline">
<div class="card-body">
<div class="row mb-5">
<div class="col-md-12 text-center">
<h1>APLIKASI STEGANOGRAPHY PDF KE IMAGE</h1>
</div>
</div>
<div class="container">
<div class="row">
<div class="col-md-6">
<h5 class="card-title mb-2" style="font-weight: bold;">
                                        Enkripsi
</h5>
<div class="card-text">
<p style="text-align: justify;">    Pengertian Enkripsi adalah proses pengkodean menggunakan algoritma untuk mengubah informasi atau data agar tidak dapat dibaca oleh pengguna yang tidak sah.</p>
<p style="text-align: justify;">    Enkripsi digunakan untuk menambah tingkat keamanan pada data untuk mencegah agar isi file tidak dipahami oleh orang maupun system computer yang tidak berwenang mendapatkannya.</p>

<a href="page/enkripsi/" class="btn btn-block btn-flat btn-lg btn-default">
<i class="fas fa-file"></i> Enkripsi
</a>
</div>
</div>
<div class="col-md-6">
<h5 class="card-title mb-2" style="font-weight: bold;">
                                        Dekripsi
</h5>
<div class="card-text">
<p style="text-align: justify;">    Pengertian Dekripsi adalah proses mengubah data yang telah dibuat tidak dapat dibaca melalui enkripsi kembali ke bentuk yang tidak dienkripsi. Proses dekripsi dapat dilakukan secara otomatis atau dilakukan secara manual.</p>
<p style="text-align: justify;">    Data yang dienskripsi atau dikodekan akan dikembalikan ke bentuk aslinya, apakah berisi teks atau gambar, sehingga dapat dibaca oleh yang lain termasuk sistem komputer.</p>
<a href="page/dekripsi/" class="btn btn-block btn-flat btn-lg btn-default">
<i class="fas fa-file-alt"></i> Dekripsi
</a>
</div>
```

```
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
<footer class="main-footer">
<div class="float-right d-none d-sm-inline">
            Skripsi
</div>
<strong>Copyright &copy; 2021 Rahmi.</strong>
</footer>
</div>
<script src="plugins/jquery/jquery.min.js"></script>
<script
src="plugins/bootstrap/js/bootstrap.bundle.min.js"></script>
<script src="dist/js/adminlte.min.js"></script>
</body>

</html>
```

Lampiran- 2. Listing Program Halaman Enkripsi

index.php

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-
scale=1">
<meta http-equiv="x-ua-compatible" content="ie=edge">
<title>APLIKASI STEGANOGRAPHY</title>
<link rel="stylesheet" href="../../plugins/fontawesome-
free/css/all.min.css">
<link rel="stylesheet" href="../../dist/css/adminlte.min.css">
<link
href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:
300,400,400i,700" rel="stylesheet">
<link rel="stylesheet" href="../../dist/css/dropify.min.css">
<script type="text/javascript">
         let loading = 0;
         setInterval(function() {
            $.get("get.php", function(data) {
               if (data.length == 0) {
               } else {
                  asli = data.split('|');
                  data = asli[0] / asli[1];
                  loading = Math.ceil(data * 100);
               }
               if (loading == 0) {
                  $('#pro').html(`0%`);
               } else {
                  $('#pro').html(`${loading-4}%`);
               }
               $('#progressbar').attr('aria-valuenow',
loading).css('width', `${loading-4}%`);
            });
         }, 500);
</script>
</head>
<body class="hold-transition sidebar-collapse layout-top-nav">
<div class="wrapper">
<nav class="main-header navbar navbar-expand-md navbar-light
navbar-white">
<div class="container">
<a href="#" class="navbar-brand">
<img src="../../dist/img/AdminLTELogo.png" alt="AdminLTE Logo"
class="brand-image img-circle elevation-3" style="opacity:
.8">
<span class="brand-text font-weight-light">StegIPDF</span>
</a>
<div class="collapse navbar-collapse order-3"
id="navbarCollapse">
<ul class="navbar-nav">
<li class="nav-item">
```

```
<a href="../../" class="nav-link">Home</a>
</li>
<li class="nav-item">
<a href="index.php" class="nav-link">Enkripsi</a>
</li>
<li class="nav-item">
<a href="../dekripsi/" class="nav-link">Dekripsi</a>
</li>
</ul>
</div>
</div>
</nav>
<div class="content-wrapper">
<div class="content-header">
<div class="container">
<div class="row mb-2">
</div>
</div>
</div>
<div class="content">
<div class="container">
<div class="row">
<div class="col-lg-12">
<div class="card card-primary card-outline">
<div class="card-body">
<div class="row mb-5">
<div class="col-md-12">
<h3>Enkripsi</h3>
</div>
</div>
<div class="container">
<div class="row">
<div class="col-lg-12">
<div class="row justify-content-center">
<div class="col-md-8">
<form method="POST" enctype="multipart/form-data">
<div class="row">
<div class="col-md-6">
<label   for="filePDF"><i   class="fas   fa-file-pdf"></i> 
File</label>
<input type="file" name="filePDF" id="filePDF" class="dropify"
required>
<code>Only .PDF</code>
</div>
<div class="col-md-6">
<label for="fileImage"><i class="far fa-file-image"></i> 
Image</label>
<input     type="file"     name="fileImage"     id="fileImage"
class="dropify" required>
<code>Only .JPG</code>
</div>
</div>
<div class="row mt-3">
<div class="col-md-5">
<input     type="text"     name="key"     class="form-control"
placeholder="Key" autocomplete="off" required>
```

```
</div>
<div class="col-md-4">
<!-- <input type="submit" name="tombol" class="btn btn-flat
btn-primary btn-block" value="Enkripsi"> -->
<button type="submit" name="tombol" class="btn btn-flat btn-
primary btn-block"><i class="fas fa-file-code"></i> 
Enkripsi</button>
</div>
<div class="col-md-3">
<a href="../../" class="btn btn-flat btn-danger btn-block"><i
class="fas fa-arrow-left"></i>  Back</a>
</div>
</div>
</form>
<?php?>
<div class='progress mt-3'>
<div id='progressbar' class='progress-bar bg-success'
role='progressbar' aria-valuenow='0' aria-valuemin='0' aria-
valuemax='100'>
<span id="pro"></span>
</div>
</div>
</div>
</div>
<div class="row justify-content-center mt-3">
<div class="col-md-8">
<?php
include "../lib/lib-SS.php";
if (isset($_POST['tombol'])) {
   $fileName = $_FILES['filePDF']['name'];
   $fileTmp = $_FILES['filePDF']['tmp_name'];
   $fileType = $_FILES['filePDF']['type'];
   $fileSize = $_FILES['filePDF']['size'];
   $imageName = $_FILES['fileImage']['name'];
   $imageTmp = $_FILES['fileImage']['tmp_name'];
   $imageType = $_FILES['fileImage']['type'];
   $imageSize = $_FILES['fileImage']['size'];
   $key = @$_POST['key'];
if ($fileTmp == "" || $imageTmp == "") {
      echo "
<script>
            alert('File PDF atau Image ini rusak atau tidak
mengembalikan nilai!');
            window.location.href='index.php';
</script>
         ";
      exit;
   }else {
// ini untuk membuat nama acak untuk file PDF
      $fileNameRandom = rand(100, 100000) . "-" . $fileName;
      $new_FileName      =      str_replace('      ',      '-',
strtolower($fileNameRandom));
      // ini untuk membuat nama acak untuk Image
      $imageNameRandom = rand(100, 100000) . "-" . $imageName;
      $new_ImageName      =      str_replace('      ',      '-',
strtolower($imageNameRandom));
```

```
      // ini untuk mengambil Extensi PDF dan Image
      $extFile = pathinfo($new_FileName, PATHINFO_EXTENSION);
      $extImage          =          pathinfo($new_ImageName,
PATHINFO_EXTENSION);
if ($extFile != "pdf") {
?>
<div class="alert alert-warning alert-dismissible fade show"
role="alert">
<strong>Maaf!</strong> File yang anda Input bukan PDF.
</div>
<?php
         // exit;
      }else {
         if ($extImage != "jpg") {
?>
<div class="alert alert-warning alert-dismissible fade show"
role="alert">
<strong><i   class="icon   fas   fa-exclamation-triangle"></i>
Maaf!</strong> Image yang anda Input bukan JPG.
</div>
<?php
            // exit;
         }else {

         $pathlink = "file/" . $new_FileName;
            $imagelink = "fileImg/" . $new_ImageName;
            move_uploaded_file($fileTmp, $pathlink);
            move_uploaded_file($imageTmp, $imagelink);
            $getFile = file_get_contents($pathlink);
            $gambar = new SpreadSpectrum($imagelink);
            $UkuranGambar = $gambar->space;
            $UkuranPDF      =      SpreadSpectrum::space($key,
$getFile);
            if ($UkuranGambar < $UkuranPDF) {
?>
<div class="alert alert-warning alert-dismissible fade show"
role="alert">
<strong><i   class="icon   fas   fa-exclamation-triangle"></i>
Maaf!</strong>   Ukuran   Image   anda   terlalu   kecil   untuk
disisipkan file PDF.
</div>
<?php
}else {
               $awal = microtime(true);
               $gambar->enkrip($key, $getFile, "hasil/");
               $akhir = microtime(true);
               $lama = round($akhir - $awal);
               $hasilPath = "hasil/" . $new_ImageName;
               if (file_exists($hasilPath)) {
?>
<script>
window.location.href='hasil.php?hasilnya=<?=     $new_ImageName;
?>&eksekusi=<?= $lama; ?>';
</script>
<?php
               }
```

```
            }
         }
      }
   }
}
?>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
<footer class="main-footer">
<div class="float-right d-none d-sm-inline">
            Skripsi
</div>
<strong>Copyright &copy; 2021 Rahmi.</strong>
</footer>
</div>
<script src="../../plugins/jquery/jquery.min.js"></script>
<script
src="../../plugins/bootstrap/js/bootstrap.bundle.min.js"></scr
ipt>
<script src="../../dist/js/adminlte.min.js"></script>
<script src="../../dist/js/dropify.min.js"></script>
<script>
      $(document).ready(function() {
         // Basic
         $('.dropify').dropify();
         // Translated
         $('.dropify-fr').dropify({
            messages: {
               default:  'Glissez-déposez  un  fichier  ici  ou
cliquez',
               replace: 'Glissez-déposez un fichier ou cliquez
pour remplacer',
               remove: 'Supprimer',
               error: 'Désolé, le fichier trop volumineux'
            }
         });
var drEvent = $('#input-file-events').dropify();
         drEvent.on('dropify.beforeClear',      function(event,
element) {
            return confirm("Do you really want to delete \"" +
element.file.name + "\" ?");
         });
         drEvent.on('dropify.afterClear',       function(event,
element) {
            alert('File deleted');
         });
```

```
         drEvent.on('dropify.errors', function(event, element)
{
            console.log('Has Errors');
         });
var drDestroy = $('#input-file-to-destroy').dropify();
         drDestroy = drDestroy.data('dropify')
         $('#toggleDropify').on('click', function(e) {
            e.preventDefault();
            if (drDestroy.isDropified()) {
               drDestroy.destroy();
            } else {
               drDestroy.init();
            }
         })
      });
</script>
<script>
      window.setTimeout(function() {
         $(".alert").fadeTo(500, 0).slideUp(500, function(){
            $(this).remove();
         });
      }, 4000);
</script>
</body>
</html>
```

Lampiran- 3. Listing Program Halaman Dekripsi

index.php

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-
scale=1">
<meta http-equiv="x-ua-compatible" content="ie=edge">
<title>APLIKASI STEGANOGRAPHY</title>
<link rel="stylesheet" href="../../plugins/fontawesome-
free/css/all.min.css">
<link rel="stylesheet" href="../../dist/css/adminlte.min.css">
<link
href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:
300,400,400i,700" rel="stylesheet">
<link rel="stylesheet" href="../../dist/css/dropify.min.css">
<script type="text/javascript">
let loading = 0;
         setInterval(function() {
            $.get("getDe.php", function(data) {
               if (data.length == 0) {
               } else {
                  asli = data.split('|');
                  data = asli[0] / asli[1];
                  loading = Math.ceil(data * 100);
               }
               if (loading == 0) {
                  $('#pro').html(`0%`);
               } else {
                  $('#pro').html(`${loading-4}%`);
               }
               $('#progressbar').attr('aria-valuenow',
loading).css('width', `${loading-4}%`);
            });
         }, 500);
</script>
</head>
<body class="hold-transition sidebar-collapse layout-top-nav">
<div class="wrapper">
<nav class="main-header navbar navbar-expand-md navbar-light
navbar-white">
<div class="container">
<a href="#" class="navbar-brand">
<img src="../../dist/img/AdminLTELogo.png" alt="AdminLTE Logo"
class="brand-image img-circle elevation-3" style="opacity:
.8">
<span class="brand-text font-weight-light">StegIPDF</span>
</a>
```

```
<div class="collapse navbar-collapse order-3"
id="navbarCollapse">
<ul class="navbar-nav">
<li class="nav-item">
```

```
<a href="../../" class="nav-link">Home</a>
</li>
<li class="nav-item">
<a href="../enkripsi/" class="nav-link">Enkripsi</a>
</li>
<li class="nav-item">
<a href="index.php" class="nav-link">Dekripsi</a>
</li>
</ul>
</div>
</div>
</nav>
<div class="content-wrapper">
<div class="content-header">
<div class="container">
<div class="row mb-2">
</div>
</div>
</div>
<div class="content">
<div class="container">
<div class="row">
<div class="col-lg-12">
<div class="card card-primary card-outline">
<div class="card-body">
<div class="row mb-5">
<div class="col-md-12">
<h3>Dekripsi</h3>
</div>
</div>
<div class="container">
<div class="row">
<div class="col-lg-12">
<form method="POST" enctype="multipart/form-data">
<div class="row justify-content-center">
<div class="col-md-6">
<label for="fileImage"><i class="far fa-file-image"></i> 
Image</label>
<input     type="file"     name="fileImage"     id="fileImage"
class="dropify" required>
<code>Only File Cover .JPG</code>
</div>
</div>
<div class="row justify-content-center">
<div class="col-md-6">
<div class="row mt-3">
<div class="col-md-5">
<input     type="text"     name="key"     class="form-control"
placeholder="Key" autocomplete="off" required>
</div>
<div class="col-md-4">
<button  type="submit"  name="tombol"  class="btn  btn-flat  btn-
primary   btn-block"><i   class="fas   fa-file-code"></i> 
Dekripsi</button>
</div>
<div class="col-md-3">
```

```
<a href="../../" class="btn btn-flat btn-danger btn-block"><i
class="fas fa-arrow-left"></i>  Back</a>
</div>
</div>
</div>
</div>
</form>
<div class="row justify-content-center mt-3">
<div class="col-md-6">
<div class='progress'>
<div    id='progressbar'    class='progress-bar    bg-success'
role='progressbar'  aria-valuenow='0'  aria-valuemin='0'  aria-
valuemax='100'>
<span id="pro"></span>
</div>
</div>
</div>
</div>
</div>
</div>
<div class="row justify-content-center mt-3">
<div class="col-md-6">
<?php
include "../lib/lib-SS.php";
if (isset($_POST['tombol'])) {
   $imageName = $_FILES['fileImage']['name'];
   $imageTmp = $_FILES['fileImage']['tmp_name'];
   $imageType = $_FILES['fileImage']['type'];
   $imageSize = $_FILES['fileImage']['size'];
   $key = @$_POST['key'];
   // ini untuk mengambil Extensi Image
   $extImage = pathinfo($imageName, PATHINFO_EXTENSION);
   if ($extImage != "jpg") {
?>
<div class="alert alert-warning alert-dismissible fade show"
role="alert">
<strong><i   class="icon   fas   fa-exclamation-triangle"></i>
Maaf!</strong> Image yang anda Input bukan JPG.
</div>
<?php
   }else {
      $awal = microtime(true);
      $gambar = new SpreadSpectrum($imageTmp);
      $hasil = $gambar->dekrip($key);
      if ($hasil) {
         $fileNameHasil = "File-Hasil";
         $nPDF = $fileNameHasil . ".pdf";
         $pdf = fopen('hasil/' . $nPDF, 'w');
         fwrite($pdf, $hasil);
         fclose($pdf);
         $akhir = microtime(true);
         $lama = round($akhir - $awal);
         $files  =  glob('../enkripsi/file/*.pdf');  //get  all
file names
         foreach($files as $file){
             if(is_file($file))
```

```
            unlink($file); //delete file
         }
         if (file_exists("../enkripsi/hasil/$imageName")) {
            unlink("../enkripsi/fileImg/$imageName");
            unlink("../enkripsi/hasil/$imageName");
         }
   ?>
<script>
            window.location.href='hasil-
dekripsi.php?eksekusi=<?= $lama; ?>';
</script>
<?php
      }else {
         //open file to write
         $fp = fopen("loading.txt", "r+");
         // clear content to 0 bits
         ftruncate($fp, 0);
         //close file
         fclose($fp);
?>
<div class="alert alert-warning alert-dismissible fade show"
role="alert">
<strong><i class="icon fas fa-exclamation-triangle"></i>
Maaf!</strong> Password anda salah pada Image ini!.
</div>
<?php
      }
   }
}
?>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
<footer class="main-footer">
<div class="float-right d-none d-sm-inline">
            Skripsi
</div>
<strong>Copyright &copy; 2021 Rahmi.</strong>
</footer>
</div>
<script src="../../plugins/jquery/jquery.min.js"></script>
<script
src="../../plugins/bootstrap/js/bootstrap.bundle.min.js"></scr
ipt>
<script src="../../dist/js/adminlte.min.js"></script>
<script src="../../dist/js/dropify.min.js"></script>
<script>
      $(document).ready(function() {
         $('.dropify').dropify();
```

```
         $('.dropify-fr').dropify({
            messages: {
               default:  'Glissez-déposez  un  fichier  ici  ou
cliquez',
               replace: 'Glissez-déposez un fichier ou cliquez
pour remplacer',
               remove: 'Supprimer',
               error: 'Désolé, le fichier trop volumineux'
            }
         });
         var drEvent = $('#input-file-events').dropify();
         drEvent.on('dropify.beforeClear',      function(event,
element) {
            return confirm("Do you really want to delete \"" +
element.file.name + "\" ?");
         });
         drEvent.on('dropify.afterClear',       function(event,
element) {
            alert('File deleted');
         });
         drEvent.on('dropify.errors', function(event, element)
{
            console.log('Has Errors');
         });
         var       drDestroy       =       $('#input-file-to-
destroy').dropify();
         drDestroy = drDestroy.data('dropify')
         $('#toggleDropify').on('click', function(e) {
            e.preventDefault();
            if (drDestroy.isDropified()) {
               drDestroy.destroy();
            } else {
               drDestroy.init();
            }
         })
      });
</script>
<script>
      window.setTimeout(function() {
         $(".alert").fadeTo(500, 0).slideUp(500, function(){
            $(this).remove();
         });
      }, 4000);
</script>
</body>
</html>
```

Lampiran- 4. Listing Program *Library Spread Spectrum*

lib-ss.php

```
<?php
class SpreadSpectrum
{
    public $name;
    public $type;
    public $location;
    public $resource;
    public $space;
    public $width;
    public $height;
    public function __construct(String $location = null, int
$length = 1) {
        if ($location === null) {
            echo('<p><b>new     SpreadSpectrum("???")     <br>
Parameter <u>LOCATION</u> tidak boleh kosong</b></p>');
            return false;
        }
        if (!file_exists($location)) {
            echo('<p><b>Gambar    <u>'.$location.'</u>    tidak
ditemukan</b></p>');
            exit;
        }
        $this->location = $location;
        $name = explode("/", $location);
        $name = end($name);
        $ext = explode(".", $name);
        $ext = end($ext);
        $this->name = $name;
        $this->type = $ext;
        $this->resource                                          =
imagecreatefromstring(file_get_contents($location));
        $this->width = imagesx($this->resource);
        $this->height = imagesy($this->resource);
        $this->space   =   ($this->width   *   $this->height)   *
($length + $length + $length);
    }
public static function space($password, $teks)
    {
        return (strlen(self::xor_this($teks, $password)) * 8 +
8 + 8);
    }
public function xor_this($string, $pass) {
        $key = $pass;
        $text = $string;
        $outText = '';
        for($i=0; $i<strlen($text); )
        {
            for($j=0;  ($j<strlen($key)  &&  $i<strlen($text));
$j++,$i++)
            {
                $outText .= $text[$i] ^ $key[$j];
            }
```

```
        }
        return $outText;
    }
public function prosesLoading($w, $width, $posisi)
    {
        $content = $w . "|" . ($width - 1);
        $fp  =  fopen($_SERVER['DOCUMENT_ROOT']  .  "/stegano-
8/page/" . $posisi . "/loading.txt","wb");
        fwrite($fp,$content);
        fclose($fp);
    }
public function enkrip($password, $teks, $location = "")
    {
        $password = "<" . $password . ">";
        $teks = "BBSSJJ" . $teks;
        $xor = $this->xor_this($teks, $password);
        $string = '';
        $s = '';
        for($i=0; $i<strlen($xor); $i++) {
            $s   .=   str_pad(decbin(ord($xor[$i])),   8,   "0",
STR_PAD_LEFT);
        }
        $string .= $s;
        $string    .=    str_pad(decbin(ord("|")),    8,    "0",
STR_PAD_LEFT);
        $string    .=    str_pad(decbin(ord("B")),    8,    "0",
STR_PAD_LEFT);
        $string    .=    str_pad(decbin(ord("S")),    8,    "0",
STR_PAD_LEFT);
        $string    .=    str_pad(decbin(ord("J")),    8,    "0",
STR_PAD_LEFT);
        $string    .=    str_pad(decbin(ord("|")),    8,    "0",
STR_PAD_LEFT);
        $no = 0;
        $resource = $this->resource;
        $width = $this->width;
        $height = $this->height;
        $image = imagecreatetruecolor($width, $height);
        imagealphablending($image, false);
        for($w = 0; $w < $width; $w++) {
            $this->prosesLoading($w, $width, "enkripsi");
        for($h = 0; $h < $height; $h++) {
            $color = imagecolorat($resource, $w, $h);
            $r = (($color) >> 16) & 0xFF;
            $g = (($color) >> 8) & 0xFF;
            $b = ($color) & 0xFF;
            $r = bindec(substr(sprintf( "%08d", decbin($r)), 0
, 7). ($string[$no++] ?? "0"));
            $g = bindec(substr(sprintf( "%08d", decbin($g)), 0
, 7). ($string[$no++] ?? "0"));
            $b = bindec(substr(sprintf( "%08d", decbin($b)), 0
, 7). ($string[$no++] ?? "0"));
            $val = imagecolorallocate($image, $r, $g, $b);
            imagesetpixel($image, $w,$h, $val);
        }}
        imagebmp($image, $location . $this->name, 0);
```

```
        imagedestroy($image);
    }
public function dekrip($password)
    {
        $password = "<" . $password . ">";
        $width = $this->width;
        $height = $this->height;
        $resource = $this->resource;
        $strings = "";
        for($w = 0; $w < $width; $w++) {
            $this->prosesLoading($w, $width, "dekripsi");
            for($h = 0; $h < $height; $h++) {
                $color = imagecolorat($resource, $w, $h);
                $r = (($color) >> 16) & 0xFF;
                $r = substr(sprintf( "%08d", decbin($r)), 7 ,
1);
                $g = (($color) >> 8) & 0xFF;
                $g = substr(sprintf( "%08d", decbin($g)), 7 ,
1);
                $b = ($color) & 0xFF;
                $b = substr(sprintf( "%08d", decbin($b)), 7 ,
1);
                $strings .= $r.$g.$b;
            }
        }
        $strings = str_split($strings, 8);
        $string = "";
        foreach ($strings as $value) {
            $string .= chr(bindec($value));
        }
        $string = explode("|BSJ|", $string);
        $string = $string[0];
        $string = $this->xor_this($string, $password);
        if (substr($string, 0, 6) == "BBSSJJ") {
            return substr($string, 6);
        }else{
            return false;
        }
    }
}
```