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Lampiran 1. Dokumentasi



Lampiran 2. Kode program main.py

```

import os

from flask import Flask,
render_template,
send_from_directory, request,
redirect, url_for, session
from pytube import YouTube

app = Flask(__name__,
static_folder='assets',
template_folder='templates')
app.secret_key = '1'
ALLOWED_EXTENSIONS =
{'mp4', 'mkv'}

def get_video_list():
    video_folder = 'listvideo'
    # video_folder =
    '/media/ilham/SONG' // ubah semua
    path sesuai path yg digunakan
    video_list = []
    for filename in
    os.listdir(video_folder):
        if filename.endswith('.mp4') or
        filename.endswith('.mkv'):
            video_list.append(filename)
    return video_list

def get_audio_list():
    audio_folder = 'listaudio'
    # audio_folder =
    '/media/ilham/SONG' // ubah semua
    path sesuai path yg digunakan
    audio_list = []
    for filename in
    os.listdir(audio_folder):
        if filename.endswith('.mp3') or
        filename.endswith('.wav'):
            audio_list.append(filename)
    return audio_list

@app.route('/')
def index():
    video_list = get_video_list()
    return
    render_template('index.html',
    video_list=video_list)

@app.route('/musik')
def musik():
    audio_list = get_audio_list()
    return
    render_template('indexaudio.html',
    audio_list=audio_list)

@app.route('/newindex')
def newindex():
    video_list = get_video_list()
    return
    render_template('newindex.html',
    video_list=video_list)

@app.route('/listmusic')
def listmusik():
    video_list = get_video_list()
    message = session.pop('message',
    ")
    return
    render_template('listmusik.html',
    video_list=video_list,
    message=message)

@app.route('/video/<filename>')
def video(filename):
    return
    send_from_directory('listvideo',
    filename)
    # return
    send_from_directory('/media/ilham/S
    ONG/VIDEO', filename)

```

```
@app.route('/audio/<filename>')
def audio(filename):
    return
    send_from_directory('listaudio',
filename)

# return
send_from_directory('/media/ilham/S
ONG/AUDIO', filename)

if __name__ == '__main__':
    app.run(debug=True)
```

Lampiran 3. Kode program index.html

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8" />
    <meta
      name="viewport"
      content="width=device-width,
initial-scale=1, shrink-to-fit=no"
    />

    <link
      href="{{ url_for('static',
filename='css/styles.css') }}"
      rel="stylesheet"
    />
    <title>Music Box</title>
  </head>
  <body>
    <nav class="navbar navbar-
expand-lg navbar-dark bg-dark mb-
4">
      <a class="navbar-brand"
href="#"></a>
      <button
        class="navbar-toggler"
        type="button"
        data-toggle="collapse"
        data-
target="#navbarSupportedContent"
        aria-
controls="navbarSupportedContent"
        aria-expanded="false"
        aria-label="Toggle navigation"
      >
        <span class="navbar-toggler-
icon"></span>
      </button>

      <div class="collapse navbar-
collapse"
id="navbarSupportedContent">
        <ul class="navbar-nav mr-
auto">
          <li class="nav-item">
            <a class="nav-link active"
href="/">KARAOKE </a>
          </li>
          <li class="nav-item">
            <a class="nav-link"
href="/musik">MUSIC
PLAYER</a>
          </li>
        </ul>
      </div>
</nav>
<div class="container">
  <!-- Content here -->
  <div class="mb-4">
    <h1>KARAOKE</h1>
    <p>
      <strong>Time :<span
id="clock"></span> </strong>
    </p>
  </div>

  <div class="row">
    <div class="col-md">
      <div class="card">
        <div class="card-
header"><h5>PLAY</h5></div>
        <div class="card-body">
          <video
            id="video-player"
            width="400"
            controls
            controlsList="nodownload"
            >
            <source id="video-source"
src="" type="video/mp4" />
            Your browser does not
support the video tag.
          </video>
        </div>
      </div>
    </div>
  </div>
</div>
<div class="col-md">
```

```

<div class="card">
  <div class="card-header">
    <h5>Pencarian</h5>
    <form class="form-inline">
      <input
        type="text"
        class="form-control mb-2
mr-sm-2"
        id="searchInput"
        placeholder="Masukkan
judul"
      />

      <button
        type="button"
        class="btn btn-primary
mb-2 mr-2"
        onclick="searchVideo()"
      >
        Cari
      </button>
      <button
        type="button"
        class="btn btn-secondary
mb-2"
        onclick="resetSearch()"
      >
        Reset
      </button>
    </form>
  </div>
  <div class="card-body">
    <h5 class="card-title">LIST
LAGU</h5>
    <div style="width: auto;
height: 400px; overflow-y: scroll">
      <div class="list-group"
id="videoListDiv"></div>
    </div>
  </div>
</div>

<hr />
</div>

```

```

<script src="{{ url_for('static',
filename='js/jquery-
3.5.1.slim.min.js') }}"></script>
<script src="{{ url_for('static',
filename='js/bootstrap.bundle.min.js'
) }}"></script>
<script src="assets/js/datatables-
simple-demo.js"></script>

<footer class="py-4 bg-light mt-
auto">
  <div class="container-fluid px-
4">
    <div class="d-flex align-items-
center justify-content-between
small">
      <div class="text-
muted">Copyright &copy; Ilham
Natsir 2023</div>
    <div>
    </div>
  </div>
</footer>

<!-- play lagu yang di klik -->
<script>
  function playVideo(filename) {
    if (filename) {
      var videoPlayer =
document.getElementById("video-
player");
      var videoSource =
document.getElementById("video-
source");

      videoSource.setAttribute(
        "src",
        "{{ url_for('video',
filename='') }}" + filename
      );

      videoPlayer.load();
    } else {

```

```

        console.log("Argumen
filename kosong, video tidak akan
diputar.");
    }
}
</script>

<!-- mencari lagu sesuai nama -->
<script>
    var originalVideoList = [
        "% for video_filename in
video_list %}",
        "{{ video_filename }}",
        "% endfor %}",
    ];

    function searchVideo() {
        const inputValue =
document.getElementById("searchIn
put").value;

        // Memeriksa apakah input
kosong
        if (inputValue.trim() === "") {
            alert("Harap isi judul video
sebelum mencari.");
        } else {
            var searchInput = document

.getElementById("searchInput")
                .value.trim()
                .toLowerCase();
            var filteredVideoList =
originalVideoList.filter(function
(video) {
                return
video.toLowerCase().includes(search
Input);
            });

            var listGroup =
document.querySelector(".list-
group");
            listGroup.innerHTML = "";

```

```

filteredVideoList.forEach(function
(video_filename) {
    var listItem =
document.createElement("div");
    listItem.classList.add("list-
group-item", "list-group-item-
action");
    listItem.innerHTML = `<a
href="#" class="btn btn-info"
onclick="playVideo('${video_filena
me}')">${video_filename}</a><hr>`
;

listGroup.appendChild(listItem);
});

    // Jika tidak ada video yang
sesuai, tampilkan pesan
    if (filteredVideoList.length
=== 0) {
        var noResultMessage =
document.createElement("div");

noResultMessage.classList.add(
    "list-group-item",
    "list-group-item-action",
    "active"
);
noResultMessage.textContent
=
    "Tidak ditemukan video
dengan judul yang cocok.";

listGroup.appendChild(noResultMes
sage);
    }
}
</script>

```

```

<script>
    function buildVideoList() {

```

```

    var videoListDiv =
document.getElementById("videoListDiv");
    videoListDiv.innerHTML = "";

    // Simpan daftar video asli
    var originalVideoList = [
        " {% for video_filename in
video_list %}",
        "{{ video_filename }}",
        " {% endfor %}",
    ];

    originalVideoList.forEach(function
(video_filename) {
        // Hanya tambahkan jika nama
file tidak kosong
        if (video_filename.trim() !==
"" ) {
            var
videoNameWithoutExtension =
video_filename.replace(
                /\.[^\.]+\$/,
                ""
            ); // Menghapus ekstensi
            var videoLink =
document.createElement("a");

            videoLink.classList.add("btn", "btn-
info");
            videoLink.textContent =
videoNameWithoutExtension; //
Tampilkan nama file tanpa ekstensi

            videoLink.addEventListener("click",
function () {
                playVideo(video_filename);
            });

            var hrElement =
document.createElement("hr");

            videoListDiv.appendChild(videoLink);

```

```

videoListDiv.appendChild(hrElement);
        }
    });
}

    buildVideoList();
</script>

<!-- reset pencarian -->
<script>
    function resetSearch() {
        var searchInput =
document.getElementById("searchInput");
        searchInput.value = "";

        buildVideoList();
    }
</script>

<script>
    var clockElement =
document.getElementById("clock");

    function updateClock() {
        var now = new Date();
        var timeString =
now.toString().slice(15, 24);
        var dateString =
now.toLocaleDateString();
        var dateTimeString = timeString
+ " " + dateString;

        clockElement.textContent =
dateTimeString;
    }

    setInterval(updateClock, 1000);
    updateClock();
</script>
</body>
</html>

```

Lampiran 4. Kode program indexaudio.html

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8" />
    <meta
      name="viewport"
      content="width=device-width,
initial-scale=1, shrink-to-fit=no"
    />
    <!-- Bootstrap CSS -->
    <!-- <link
      rel="stylesheet"
      href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.2/dist/css/bootstrap.min.css"
      integrity="sha384-
xOolHFLEh07PJGoPkLv1IbcEPTNt
aed2xpHsD9ESMhqIYd0nLMwNL
D69Npy4HI+N"
      crossorigin="anonymous"
    /> -->
    <link
      href="{{ url_for('static',
filename='css/styles.css') }}"
      rel="stylesheet"
    />
    <title>Music Box</title>
  </head>
  <body>
    <nav class="navbar navbar-
expand-lg navbar-dark bg-dark mb-
4">
      <a class="navbar-brand"
href="#"></a>
      <button
        class="navbar-toggler"
        type="button"
        data-toggle="collapse"
        data-
target="#navbarSupportedContent"
        aria-
controls="navbarSupportedContent"
        aria-expanded="false"
        aria-label="Toggle navigation"
      >
        <span class="navbar-toggler-
icon"></span>
      </button>
```

```

    <div class="collapse navbar-
collapse"
id="navbarSupportedContent">

    <ul class="navbar-nav mr-
auto">

        <li class="nav-item">

            <a class="nav-link"
href="/">KARAOKE </a>

        </li>

        <li class="nav-item">

            <a class="nav-link active"
href="/musik">MUSIC
PLAYER</a>

        </li>

    </ul>

</div>

</nav>

<div class="container">

    <!-- Content here -->

    <div class="mb-4">

        <h1>Music Player</h1>

        <p><strong>Time :<span
id="clock"></span></strong></p>

    </div>

```

```

<div class="row">

    <div class="col-md">

        <div class="card">

            <div class="card-
header"><h5>PLAY</h5></div>

            <div class="card-body">

                <!-- <marquee
width="60%" direction="left"
height="100px">

                    This is a sample scrolling
text that has scrolls texts to the

                    left.

                </marquee> -->

                <audio id="audio-player"
controls>

                    <source id="audio-source"
src="" type="audio/mp3" />

                    Browser Anda tidak
mendukung elemen audio.

                </audio>

            </div>

        </div>

    </div>

    <div class="col-md">

        <div class="card">

            <div class="card-header">

                <h5>Pencarian</h5>

```

	<form class="form-inline">	</button>
	<input	</form>
	type="text"	</div>
mr-sm-2"	class="form-control mb-2	<div class="card-body">
	id="searchInput"	<h5 class="card-title">LIST
judul"	placeholder="Masukkan	LAGU</h5>
	</div>	<div style="width: auto;
		height: 400px; overflow-y: scroll">
		<div class="list-group"
		id="videoListDiv"></div>
		</div>
	<button	</div>
	type="button"	</div>
mb-2 mr-2"	class="btn btn-primary	</div>
	onclick="searchVideo()"	</div>
	>	<hr />
	Cari	</div>
	</button>	<!-- Optional JavaScript; choose
	<button	one of the two! -->
	type="button"	<!-- <script src="{{ url_for('static',
	class="btn btn-secondary	filename='js/scripts.js') }}"></script>
mb-2"	onclick="resetSearch()"	-->
	>	<script src="{{ url_for('static',
	Reset	filename='js/jquery-
		3.5.1.slim.min.js') }}"></script>
		<script src="{{ url_for('static',
		filename='js/bootstrap.bundle.min.js'
		) }}"></script>

```
<script src="assets/js/datatables-
simple-demo.js"></script>
```

```
<!-- Option 1: jQuery and
Bootstrap Bundle (includes Popper) -
-->
```

```
<!-- <script
```

```
src="https://cdn.jsdelivr.net/npm/jqu
ery@3.5.1/dist/jquery.slim.min.js"
```

```
integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+
OGpamoFVy38MVBnE+IbbVYUe
w+OrCXaRkfj"
```

```
crossorigin="anonymous"
```

```
></script> -->
```

```
<!-- <script
```

```
src="https://cdn.jsdelivr.net/npm/boo
tstrap@4.6.2/dist/js/bootstrap.bundle.
min.js"
```

```
integrity="sha384-
Fy6S3B9q64WdZWQUiU+q4/2Lc9
npb8tCaSX9FK7E8HnRr0Jz8D6OP
9dO5Vg3Q9ct"
```

```
crossorigin="anonymous"
```

```
></script> -->
```

```
<footer class="py-4 bg-light mt-
auto">
```

```
<div class="container-fluid px-
4">
```

```
<div class="d-flex align-items-
center justify-content-between
small">
```

```
<div class="text-
muted">Copyright &copy; Ilham
Natsir 2023</div>
```

```
<div>
```

```
<!-- <a href="#">Privacy
Policy</a>
```

```
&middot;
```

```
<a
href="#">Terms &amp;
Conditions</a> -->
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</footer>
```

```
<!-- play lagu yang di klik -->
```

```
<script>
```

```
function playAudio(filename) {
```

```
if (filename) {
```

```
// Mengambil elemen audio
dan source menggunakan ID
```

```
var audioPlayer =
document.getElementById("audio-
player");
```

```

        var audioSource =
document.getElementById("audio-
source");

        // Mengubah atribut src audio
menjadi audio yang dipilih

        audioSource.setAttribute(

            "src",

            "{{ url_for('audio',
filename=) }}" + filename

        );

        // Memuat ulang audio setelah
mengubah src

        audioPlayer.load();

        audioPlayer.play(); // Untuk
memulai pemutaran otomatis

    } else {

        // Jika argumen kosong,
tampilkan pesan kesalahan atau
lakukan tindakan lain

        console.log("filename kosong,
audio tidak akan diputar.");

    }

}

</script>

<!-- mencari lagu sesuai nama -->

<script>
    // Simpan daftar video asli

```

```

        var originalVideoList = [

            "{% for audio_filename in
audio_list %}",

            "{{ audio_filename }}",

            "{% endfor %}",

        ];

        function searchVideo() {

            const inputValue =
document.getElementById("searchIn
put").value;

            // Periksa apakah input
kosong

            if (inputValue.trim() === "") {

                // Menampilkan alert jika input
kosong

                alert("Harap isi judul lagu
sebelum mencari.");

            } else {

                // Lakukan aksi pencarian
video (misalnya, pergi ke halaman
hasil pencarian)

                // Di sini Anda bisa
menambahkan kode untuk
mengambil judul video yang
dimasukkan pengguna dan
melakukan tindakan yang sesuai

                var searchInput = document

```

```

        .getElementById("searchInput")

            .value.trim()

            .toLowerCase();

        var filteredVideoList =
originalVideoList.filter(function
(video) {

            return
video.toLowerCase().includes(search
Input);

        });

        var listGroup =
document.querySelector(".list-
group");

        listGroup.innerHTML = "";

        // var videoPlayer =
document.getElementById("audio-
player");

        // videoPlayer.pause(); // Jeda
pemutaran video saat mencari

        // Tambahkan kembali daftar
video yang sesuai dengan pencarian

        filteredVideoList.forEach(function
(audio_filename) {

            var listItem =
document.createElement("div");

            listItem.classList.add("list-
group-item", "list-group-item-
action");

            listItem.innerHTML = `<a
href="#" class="btn btn-info"
onclick="playAudio('${audio_filnam
e}')">${audio_filename}</a><hr>`;

            listGroup.appendChild(listItem);

        });

        // Jika tidak ada video yang
sesuai, tampilkan pesan

        if (filteredVideoList.length
=== 0) {

            var noResultMessage =
document.createElement("div");

            noResultMessage.classList.add(

                "list-group-item",

                "list-group-item-action",

                "active"

            );

            noResultMessage.textContent
=

                "Tidak ditemukan video
dengan judul yang cocok.";

            listGroup.appendChild(noResultMes
sage);

        }

```

```

    }

    }

</script>
<script>

    // Fungsi untuk membangun
    daftar video dengan tautan yang
    sesuai

    function buildVideoList() {

        var videoListDiv =
        document.getElementById("videoListDiv");

        videoListDiv.innerHTML = "";
        // Kosongkan isi div sebelum
        membangun kembali

        // Simpan daftar video asli

        var originalVideoList = [

            " {% for audio_filename in
            audio_list %}",

            "{{ audio_filename }}",

            " {% endfor %}",

            ];

        originalVideoList.forEach(function
        (audio_filename) {

            // Hanya tambahkan jika nama
            file tidak kosong

            if (audio_filename.trim() !==
            "") {

                var
                videoNameWithoutExtension =
                audio_filename.replace(

                    ^.[^/]+$/,

                    ""

                ); // Menghapus ekstensi

                var videoLink =
                document.createElement("a");

                videoLink.classList.add("btn", "btn-
                info");

                videoLink.textContent =
                videoNameWithoutExtension; //
                Tampilkan nama file tanpa ekstensi

                videoLink.addEventListener("click",
                function () {

                    playAudio(audio_filename);

                });

                var hrElement =
                document.createElement("hr");

                videoListDiv.appendChild(videoLink);

                videoListDiv.appendChild(hrElement);

            }

        });
    }

```

```
// Panggil fungsi buildVideoList
untuk membangun daftar video saat
halaman dimuat
```

```
buildVideoList();
```

```
</script>
```

```
<!-- reset pencarian -->
```

```
<script>
```

```
function resetSearch() {
```

```
    var searchInput =
document.getElementById("searchIn
put");
```

```
    searchInput.value = ""; //
Menghapus teks input pencarian
```

```
    buildVideoList(); // Memanggil
fungsi untuk membangun daftar
video kembali
```

```
}
```

```
</script>
```

```
<script>
```

```
    var clockElement =
document.getElementById("clock");
```

```
function updateClock() {
```

```
    var now = new Date();
```

```
    var timeString =
now.toString().slice(15, 24);
```

```
    var dateString =
now.toLocaleDateString(); //
Mendapatkan tanggal, bulan, dan
tahun
```

```
    var dateTimeString = timeString
+ " " + dateString;
```

```
    clockElement.textContent =
dateTimeString;
```

```
}
```

```
    setInterval(updateClock, 1000);
```

```
    updateClock(); // Panggil fungsi
sekali agar ditampilkan segera saat
halaman dimuat
```

```
</script>
```

```
</body>
```

```
</html>
```



KARTU MONITORING BIMBINGAN
MAHASISWA PROGRAM STUDI TEKNIK INFORMATIKA
FAKULTAS TEKNIK
UNIVERSITAS MUHAMMADIYAH PAREPARE

SKRIPSI

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NIM : 217200197	Pembimbing II : Ahmad Selan, S.TP., M.Sc.
Judul Skripsi : Aplikasi Karaoke Berbasis Website Menggunakan Raspberry Pi 3	

ARAHAN PEMBIMBING I	HARI/TGL & PARAF PEMBIMBING	ARAHAN PEMBIMBING II	HARI/TGL & PARAF PEMBIMBING
Konsultasi 1		Konsultasi 1 Seleksi hal-hal terkait dengan noise out putnya / simulasi	
Konsultasi 2		Konsultasi 2 Parameter perbandingan power & lajukan terkait. perbandingan kualitas	
Konsultasi 3		Konsultasi 3 out putnya. Astrakunya: point masalah agar &	
Konsultasi 4 Ada Tutup!		Konsultasi 4 rangkaiannya & penutup. kesimpulan & error!	
Konsultasi 5		Konsultasi 5 Ok.	

Lampirkan halaman akhir!