LAMPIRAN

1. Kartu Monitoring Proposal

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

SKRIPSI

Mahasiswa : MOHAMMAD RAJ FURQON	**Pembimbing I : Marlina, S.Kom.,M.Kom**
NIM : 220 280 164	**Pembimbing II : Ir. Untung Suwardoyo, S.Kom.,MT.,IPP**
Judul Skripsi : Aplikasi Budi Daya ikan lele Berbasis Android	

ARAHAN PEMBIMBING I	HARI/TGL & PARAF PEMBIMBING	ARAHAN PEMBIMBING II	HARI/TGL & PARAF PEMBIMBING
Konsultasi 1 - Bahasa Asing dicetak Miring - Tambahkan Teori yg terkait dengan		Konsultasi 1 Perbaiki Revisinya	
Konsultasi 2 budidaya ikan lele - Masukkan semua Apa saja yg digunakan u/ Membuat Aplikasi		Konsultasi 2 Perbaiki Poinnya	
Konsultasi 3		Konsultasi 3 Use Case dan tabel	
Konsultasi 4		Konsultasi 4 lanjut bab 1.	
Konsultasi 5 - Acc Ujian Proposal		Konsultasi 5	

Lanjut ke halaman sebelah...

Lanjutan...

Perhatian :

1. Mahasiswa wajib konsultasi minimal 5 kali
2. Kartu ini wajib dibawa oleh mahasiswa disetiap konsultasi dan diisi oleh Pembimbing
3. Kartu ini wajib dilampirkan pada laporan skripsi dan menjadi salah satu persyaratan untuk ikut seminar proposal/ujian skripsi
4. Kartu ini dicetak di atas kertas karton berwarna hijau muda dan dicetak timbal balik

2. Kartu Monitoring Hasil

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

HASIL

Mahasiswa : MOHAMMAD RAJ FURQON	**Pembimbing I : Marlina, S.Kom.,M.Kom.**
NIM : 220280164	**Pembimbing II : Ir. Untung Suwardoyo, S.Kom.,MT.,IPP**
Judul Skripsi : APLIKASI BUDI DAYA IKAN LELE BERBASIS ANDROID	

ARAHAN PEMBIMBING I	HARI/TGL & PARAF PEMBIMBING	ARAHAN PEMBIMBING II	HARI/TGL & PARAF PEMBIMBING
Konsultasi 1		Konsultasi 1 - Kaplan - Sumber dr Pustaka gbr.	
Konsultasi 2		Konsultasi 2 Acc Lapab 1.	
Konsultasi 3		Konsultasi 3	
Konsultasi 4 Acc Ujian Hasil		Konsultasi 4	
Konsultasi 5 Kerjakan Revisi penguji pd saat Hasil		Konsultasi 5	

Lanjut ke halaman sebelah...

Perhatian :

1. Mahasiswa wajib konsultasi minimal 5 kali
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3. Kartu ini wajib dilampirkan pada laporan skripsi dan menjadi salah satu persyaratan untuk ikut seminar proposal/ujian skripsi
4. Kartu ini dicetak di atas kertas karton berwarna hijau muda dan dicetak timbal balik

3. Kartu Monitoring Tutup

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

SKRIPSI

Mahasiswa : MOHAMMAD RAJ FURQON	**Pembimbing I : Marlina, S.Kom.,M.Kom.**
NIM : 220280164	**Pembimbing II : Ir. Untung Suwardoyo, S.Kom.,MT.,IPP**
Judul Skripsi : APLIKASI BUDI DAYA IKAN LELE BERBASIS ANDROID	

ARAHAN PEMBIMBING I	HARI/TGL & PARAF PEMBIMBING	ARAHAN PEMBIMBING II	HARI/TGL & PARAF PEMBIMBING
Konsultasi 1		Konsultasi 1	
Konsultasi 2		Konsultasi 2	
Konsultasi 3		Konsultasi 3	
Konsultasi 4		Konsultasi 4	
Konsultasi 5		Konsultasi 5	

Lanjut ke halaman sebelah...

Perhatian :

1. Mahasiswa wajib konsultasi minimal 5 kali
2. Kartu ini wajib dibawa oleh mahasiswa disetiap konsultasi dan diisi oleh Pembimbing
3. Kartu ini wajib dilampirkan pada laporan skripsi dan menjadi salah satu persyaratan untuk ikut seminar proposal/ujian skripsi
4. Kartu ini dicetak di atas kertas karton berwarna hijau muda dan dicetak timbal balik

Lanjutan ...

ARAHAN PEMBIMBING I	HARI/TGL & PARAF PEMBIMBING	ARAHAN PEMBIMBING II	HARI/TGL & PARAF PEMBIMBING
Konsultasi 6		Konsultasi 6	
Konsultasi 7		Konsultasi 7	
Konsultasi 8 Acc Ujian Tutup		Konsultasi 8	
Konsultasi 9		Konsultasi 9	
Konsultasi 10		Konsultasi 10	

Parepare, 11 Agustus 2025

Mengetahui
Ketua Program Studi

Mahasiswa

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NBM. 1252 809

MOHAMMAD RAJ FURQON
NIM. 220280164

Perhatian :

1. Mahasiswa wajib konsultasi minimal 5 kali
2. Kartu ini wajib dibawa oleh mahasiswa disetiap konsultasi dan diisi oleh Pembimbing
3. Kartu ini wajib dilampirkan pada laporan skripsi dan menjadi salah satu persyaratan untuk ikut seminar proposal/ujian skripsi
4. Kartu ini dicetak di atas kertas karton berwarna hijau muda dan dicetak timbal balik

1. **Script Java Menu Awal**

```
package
com.example.budidaya_lele;

import
android.annotation.Suppress
Lint;
import
android.content.DialogInter
face;
import
android.content.Intent;
import android.os.Bundle;
import
android.view.KeyEvent;
import android.view.View;
import
android.widget.Button;
import
androidx.appcompat.app.Aler
tDialog;
import
androidx.appcompat.app.AppC
ompatActivity;

public class Home extends
AppCompatActivity {
    Button masuk,
tentang_aplikasi;
    @SuppressLint("MissingI
nflatedId")
    @Override
    protected void
onCreate(Bundle
savedInstanceState) {
        super.onCreate(save
dInstanceState);
        setContentView(R.la
yout.activity_home);
        masuk = (Button)
findViewById(R.id.masuk);
        tentang_aplikasi =
(Button)
findViewById(R.id.tentang_a
plikasi);

        masuk.setOnClickLis
tener(new
View.OnClickListener() {
            @Override
            public void
onClick(View v) {
                Intent
Bukasatu =new
Intent(getApplicationContex
t(), Menu_utama.class);
                startActivi
ty(Bukasatu);
            }
        });
        tentang_aplikasi.se
tOnClickListener(new
View.OnClickListener() {
            @Override
            public void
onClick(View v) {
                Bukadua();
            }
        });
       }
            public void
Bukadua (){
                Intent
Bukadua =new
Intent(getApplicationContex
t(),
Tentang_aplikasi.class);
                startActivi
ty(Bukadua);
            }
    public boolean
onKeyDown(int keyCode,
KeyEvent event) {
        if (keyCode ==
KeyEvent.KEYCODE_BACK) {
            showExitConfirm
ationDialog();
            return true; //
Prevent the default
behavior (exit the app)
        }
        return
super.onKeyDown(keyCode,
event);
    }

    private void
showExitConfirmationDialog(
) {
        new
AlertDialog.Builder(this)
                .setMessage
("Apakah Anda yakin ingin
keluar?")
                .setPositiv
eButton("Ya", new
DialogInterface.OnClickList
ener() {
                    @Overri
de
                    public
void
```

```
onClick(DialogInterface
dialog, int which) {
                        fin
ish(); // Close the
application
                    }
                })
```

2. Script Layout Menu Awal

```
<?xml version="1.0"
encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schem
as.android.com/apk/res/andr
oid"

xmlns:app="http://schemas.a
ndroid.com/apk/res-auto"

xmlns:tools="http://schemas
.android.com/tools"

android:layout_width="match
_parent"

android:layout_height="matc
h_parent"

android:background="@drawab
le/walpaper_awal">
    <!-- Tombol Masuk -->
    <Button

android:id="@+id/masuk"

android:layout_width="203dp
"

android:layout_height="80dp
"

android:layout_alignParentT
op="true"

android:layout_centerHorizo
ntal="true"

android:layout_marginTop="4
45dp"

android:backgroundTint="@co
lor/blue"

android:layout_marginBottom
="16dp"
```

3. Script Java Menu Utama

```
                .setNegativ
eButton("Tidak", null)
                .show();
    }
}
```

```
android:fontFamily="sans-
serif-black"

android:text="Masuk"

android:textColor="@color/b
lack"

android:textSize="16sp" />
    <!-- Tombol Tentang
Aplikasi -->
    <Button

android:id="@+id/tentang_ap
likasi"

android:layout_width="203dp
"

android:layout_height="80dp
"

android:layout_alignParentB
ottom="true"

android:layout_centerHorizo
ntal="true"

android:layout_marginBottom
="79dp"

android:backgroundTint="@co
lor/blue"

android:fontFamily="sans-
serif-black"

android:text="Tentang
Aplikasi"

android:textColor="@color/b
lack"

android:textSize="16sp" />

</RelativeLayout>
```

```
package
com.example.budidaya_lele;

import
android.annotation.Suppress
Lint;
import
android.content.Intent;
import android.os.Bundle;
import android.view.View;
import
android.widget.Button;
import
android.widget.ImageButton;
import
androidx.appcompat.app.AppC
ompatActivity;
public class Menu_utama
extends AppCompatActivity {
    ImageButton btnBack;
    Button btnDaftarKonten,
btnTips, btnAnalisis,
btn_kalkulator;

@SuppressLint("MissingInfla
tedId")
    @Override
    protected void
onCreate(Bundle
savedInstanceState) {

super.onCreate(savedInstanc
eState);

setContentView(R.layout.act
ivity_menu_utama); // Ganti
sesuai nama file XML-mu
        // Tombol kembali
        btnBack =
findViewById(R.id.btnBack);

btnBack.setOnClickListener(
view -> finish());

        // Inisialisasi
tombol
        btnDaftarKonten =
findViewById(R.id.btn_dafta
r_konten);
        btnTips =
findViewById(R.id.btn_tips)
;
        btnAnalisis =
findViewById(R.id.btn_anali
sis);
        btn_kalkulator =
findViewById(R.id.btn_kalku
lator);
        // Aksi tombol

btnDaftarKonten.setOnClickL
istener(new
View.OnClickListener() {
            @Override
            public void
onClick(View v) {
                Intent
intent = new
Intent(Menu_utama.this,
Daftar_konten.class);

startActivity(intent);
            }
        });

btnTips.setOnClickListener(
new View.OnClickListener()
{
            @Override
            public void
onClick(View v) {
                Intent
intent = new
Intent(Menu_utama.this,
Tips_trik.class);

startActivity(intent);
            }
        });

btnAnalisis.setOnClickListe
ner(new
View.OnClickListener() {
            @Override
            public void
onClick(View v) {
                Intent
intent = new
Intent(Menu_utama.this,
Analisis_usaha.class);

startActivity(intent);
            }
        });


btn_kalkulator.setOnClickLi
stener(new
View.OnClickListener() {
            @Override
            public void
onClick(View v) {
```

```
                Intent
intent = new
Intent(Menu_utama.this,
kalkulator.class);
startActivity(intent);
            }
        });
    }
}
```

4. Script Layout Menu Utama

```
<?xml version="1.0"
encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schem
as.android.com/apk/res/andr
oid"
    xmlns:app="http://schem
as.android.com/apk/res-
auto"
    xmlns:tools="http://sch
emas.android.com/tools"
    android:layout_width="m
atch_parent"
    android:layout_height="
match_parent"
    android:background="@dr
awable/walpaper"
    tools:context=".Menu_ut
ama">
    <!-- Konten Scroll -->
    <RelativeLayout
        android:layout_widt
h="match_parent"
        android:layout_heig
ht="60dp"
        android:background=
"@color/blue">
        <!-- Kembali Button
-->
        <ImageButton
            android:id="@+i
d/btnBack"
            android:layout_
width="wrap_content"
            android:layout_
height="wrap_content"
            android:layout_
gravity="start"
            android:layout_
marginTop="10dp"
            android:backgro
und="?attr/selectableItemBa
ckgroundBorderless"
            android:content
Description="Kembali"
            android:padding
="8dp"
            android:src="@d
rawable/baseline_arrow_back
_ios_new_24" />

        <TextView
            android:id="@+i
d/toolbarTitle"
            android:layout_
width="wrap_content"
            android:layout_
height="match_parent"
            android:layout_
centerInParent="true"
            android:fontFam
ily="sans-serif-condensed-
medium"
            android:gravity
="center"
            android:text="M
enu Utama"
            android:textCol
or="@color/black"
            android:textSiz
e="20sp" />
    </RelativeLayout>
    <LinearLayout
        android:layout_widt
h="match_parent"
        android:layout_heig
ht="match_parent"
        android:orientation
="vertical"
        android:layout_marg
inTop="160dp"
        android:gravity="ce
nter_horizontal"
        android:padding="24
dp">
        <!-- Tombol Daftar
Konten Panduan -->
        <Button
            android:id="@+i
d/btn_daftar_konten"
            android:layout_
width="250dp"
            android:layout_
height="70dp"
            android:layout_
marginBottom="16dp"
            android:backgro
undTint="@color/blue"
            android:text="D
aftar Konten Panduan"
            android:gravity
```

```
="center"
            android:fontFam
ily="sans-serif-black"
            android:textCol
or="@android:color/black"
            android:textSiz
e="16sp"
            android:textSty
le="bold" />
        <!-- Tombol Tips &
Trik -->
        <Button
            android:id="@+i
d/btn_tips"
            android:layout_
width="250dp"
            android:layout_
height="70dp"
            android:layout_
marginBottom="16dp"
            android:backgro
undTint="@color/blue"
            android:text="T
ips dan Trik"
            android:fontFam
ily="sans-serif-black"
            android:gravity
="center"
            android:textCol
or="@android:color/black"
            android:textSiz
e="16sp"
            android:textSty
le="bold" />
        <!-- Tombol
Analisis Usaha -->
        <Button
            android:id="@+i
d/btn_analisis"
            android:layout_
width="250dp"
            android:layout_
height="70dp"
            android:layout_
marginBottom="16dp"
            android:backgro
undTint="@color/blue"
            android:text="A
nalisis Usaha"
            android:gravity
="center"
            android:textCol
or="@android:color/black"
            android:textSiz
e="16sp"
            android:fontFam
ily="sans-serif-black"
            android:textSty
le="bold" />
        <Button
            android:id="@+i
d/btn_kalkulator"
            android:layout_
width="250dp"
            android:layout_
height="70dp"
            android:backgro
undTint="@color/blue"
            android:text="K
alkulator/Perhitungan Pakan
Lele"
            android:gravity
="center"
            android:fontFam
ily="sans-serif-black"
            android:textCol
or="@android:color/black"
            android:textSiz
e="16sp"
            android:textSty
le="bold" />
    </LinearLayout>
</RelativeLayout>
```

5. Script Java Menu Daftar Konten Panduan

```
package
com.example.budidaya_lele;

import
android.content.Intent;
import android.os.Bundle;
import
android.widget.Button;
import
android.widget.ImageButton;
import
androidx.appcompat.app.AppC
ompatActivity;

public class Daftar_konten
extends AppCompatActivity {
    ImageButton btnBack;
    Button btn1, btn2,
btn3, btn4, btn5, btn6,
btn7, btn8, btn9;
    @Override
    protected void
onCreate(Bundle
savedInstanceState) {
        super.onCreate(save
dInstanceState);
        setContentView(R.la
```

```
yout.activity_daftar_konten
);
        // Tombol kembali
        btnBack =
findViewById(R.id.btnBack);
        btnBack.setOnClickL
istener(view -> finish());
        // Inisialisasi
tombol
        btn1 =
findViewById(R.id.btn1);
        btn2 =
findViewById(R.id.btn2);
        btn3 =
findViewById(R.id.btn3);
        btn4 =
findViewById(R.id.btn4);
        btn5 =
findViewById(R.id.btn5);
        btn6 =
findViewById(R.id.btn6);
        btn7 =
findViewById(R.id.btn7);
        btn8 =
findViewById(R.id.btn8);
        btn9 =
findViewById(R.id.btn9);
        // Contoh klik
tombol
        btn1.setOnClickList
ener(view -> {
            Intent intent =
new
Intent(Daftar_konten.this,
daftar1.class);
            startActivity(i
ntent);
        });
        btn2.setOnClickList
ener(view -> {
            Intent intent =
new
Intent(Daftar_konten.this,
daftar2.class);
            startActivity(i
ntent);
        });
        btn3.setOnClickList
ener(view -> {
            Intent intent =
new
Intent(Daftar_konten.this,
daftar3.class);
            startActivity(i
ntent);
        });
        btn4.setOnClickList
ener(view -> {
            Intent intent =
new
Intent(Daftar_konten.this,
daftar4.class);
            startActivity(i
ntent);
        });
        btn5.setOnClickList
ener(view -> {
            Intent intent =
new
Intent(Daftar_konten.this,
daftar5.class);
            startActivity(i
ntent);
        });
        btn6.setOnClickList
ener(view -> {
            Intent intent =
new
Intent(Daftar_konten.this,
daftar6.class);
            startActivity(i
ntent);
        });
        btn7.setOnClickList
ener(view -> {
            Intent intent =
new
Intent(Daftar_konten.this,
daftar7.class);
            startActivity(i
ntent);
        });
        btn8.setOnClickList
ener(view -> {
            Intent intent =
new
Intent(Daftar_konten.this,
daftar8.class);
            startActivity(i
ntent);
        });
        btn9.setOnClickList
ener(view -> {
            Intent intent =
new
Intent(Daftar_konten.this,
daftar9.class);
            startActivity(i
ntent);
        });

    }
```

```
}
```

6. Script Layout Menu Daftar Konten Panduan

```
<?xml version="1.0"
encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schem
as.android.com/apk/res/andr
oid"
    xmlns:tools="http://sch
emas.android.com/tools"
    android:layout_width="m
atch_parent"
    android:layout_height="
match_parent"
    android:background="@dr
awable/walpaper"
    tools:context=".Daftar_
konten">
    <!-- Toolbar tetap di
atas -->
    <TextView
        android:id="@+id/to
olbarTitle"
        android:layout_widt
h="match_parent"
        android:layout_heig
ht="60dp"
        android:background=
"@color/blue"
        android:fontFamily=
"sans-serif-condensed-
medium"
        android:gravity="ce
nter"
        android:text="Dafta
r Konten Panduan"
        android:textColor="
@color/black"
        android:textSize="2
0sp" />
    <!-- Tombol kembali -->
    <ImageButton
        android:id="@+id/bt
nBack"
        android:layout_widt
h="50dp"
        android:layout_heig
ht="50dp"
        android:layout_marg
inTop="5dp"
        android:layout_marg
inStart="10dp"
        android:background=
"@color/blue"
        android:src="@drawa
ble/baseline_arrow_back_ios
_new_24"
        android:contentDesc
ription="Back"
        android:layout_alig
nTop="@id/toolbarTitle"
        android:layout_alig
nStart="@id/toolbarTitle"
/>
    <!-- ScrollView di
bawah toolbar -->
    <ScrollView
        android:layout_belo
w="@id/toolbarTitle"
        android:layout_widt
h="match_parent"
        android:layout_heig
ht="match_parent"
        android:layout_marg
inTop="10dp"
        android:paddingTop=
"10dp">
        <LinearLayout
            android:layout_
width="match_parent"
            android:layout_
height="wrap_content"
            android:orienta
tion="vertical"
            android:gravity
="center_horizontal"
            android:padding
Bottom="32dp">
            <Button
                android:id=
"@+id/btn1"
                android:lay
out_width="250dp"
                android:lay
out_height="60dp"
                android:tex
t="PELUANG BUDIDAYA USAHA
LELE"
                android:tex
tSize="12sp"
                android:fon
tFamily="sans-serif-black"
                android:tex
tColor="@color/black"
                android:bac
kgroundTint="@color/blue"
                android:lay
out_marginBottom="16dp" />
            <Button
                android:id=
```

```
"@+id/btn2"
                android:lay
out_width="250dp"
                android:lay
out_height="60dp"
                android:tex
t="JENIS-JENIS LELE"
                android:tex
tSize="12sp"
                android:fon
tFamily="sans-serif-black"
                android:tex
tColor="@color/black"
                android:bac
kgroundTint="@color/blue"
                android:lay
out_marginBottom="16dp" />

            <Button
                android:id=
"@+id/btn3"
                android:lay
out_width="250dp"
                android:lay
out_height="60dp"
                android:tex
t="PERSIAPAN USAHA BUDIDAYA
LELE"
                android:tex
tSize="12sp"
                android:fon
tFamily="sans-serif-black"
                android:tex
tColor="@color/black"
                android:bac
kgroundTint="@color/blue"
                android:lay
out_marginBottom="16dp" />
            <Button
                android:id=
"@+id/btn4"
                android:lay
out_width="250dp"
                android:lay
out_height="60dp"
                android:tex
t="PERSIAPAN PEMBENIHAN
LELE"
                android:tex
tSize="12sp"
                android:fon
tFamily="sans-serif-black"
                android:tex
tColor="@color/black"
                android:bac
kgroundTint="@color/blue"
                android:lay
out_marginBottom="16dp" />

            <Button
                android:id=
"@+id/btn5"
                android:lay
out_width="250dp"
                android:lay
out_height="70dp"
                android:tex
t="TEKNIK PEMIJAHAN DAN
                AKTIVITAS
PASCA PEMIJAHAN"
                android:tex
tSize="10sp"
                android:fon
tFamily="sans-serif-black"
                android:tex
tColor="@color/black"
                android:bac
kgroundTint="@color/blue"
                android:lay
out_marginBottom="16dp" />
            <Button
                android:id=
"@+id/btn6"
                android:lay
out_width="250dp"
                android:lay
out_height="60dp"
                android:tex
t="PENDEDERAN"
                android:tex
tSize="12sp"
                android:fon
tFamily="sans-serif-black"
                android:tex
tColor="@color/black"
                android:bac
kgroundTint="@color/blue"
                android:lay
out_marginBottom="16dp" />
            <Button
                android:id=
"@+id/btn7"
                android:lay
out_width="250dp"
                android:lay
out_height="60dp"
                android:tex
t="PEMBESARAN LELE"
                android:tex
tSize="12sp"
                android:fon
tFamily="sans-serif-black"
```

```
                android:tex
tColor="@color/black"
                android:bac
kgroundTint="@color/blue"
                android:lay
out_marginBottom="16dp" />
            <Button
                android:id=
"@+id/btn8"
                android:lay
out_width="250dp"
                android:lay
out_height="60dp"
                android:tex
t="TEKNIK MENGHEMAT PAKAN"
                android:tex
tSize="12sp"
                android:fon
tFamily="sans-serif-black"
                android:tex
tColor="@color/black"
                android:bac
kgroundTint="@color/blue"
                android:lay
out_marginBottom="16dp" />
                <Button
                    android:id=
"@+id/btn9"
                    android:lay
out_width="250dp"
                    android:lay
out_height="60dp"
                    android:tex
t="PANEN DAN PENGEMASAN"
                    android:tex
tSize="12sp"
                    android:fon
tFamily="sans-serif-black"
                    android:tex
tColor="@color/black"
                    android:bac
kgroundTint="@color/blue"
                    android:lay
out_marginBottom="16dp" />

            </LinearLayout>
        </ScrollView>

</RelativeLayout>
```

7. Script Java Peluang Usaha Pada Menu Daftar Konten Panduan

```
package
com.example.budidaya_lele;

import
android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import
android.speech.tts.TextToSp
eech;
import
android.speech.tts.Utteranc
eProgressListener;
import
android.webkit.WebSettings;
import
android.webkit.WebView;
import
android.webkit.WebViewClien
t;
import
android.widget.ImageButton;
import
android.widget.ImageView;
import
android.widget.TextView;
import
androidx.appcompat.app.AppC
ompatActivity;
import java.util.Locale;

public class daftar1
extends AppCompatActivity
implements
TextToSpeech.OnInitListener
{

    private TextToSpeech
textToSpeech;
    private WebView
webView;
    private boolean
isSpeaking = false;
    ImageButton btnBack;

    @Override
    protected void
onCreate(Bundle
savedInstanceState) {
        super.onCreate(save
dInstanceState);
        setContentView(R.la
yout.activity_daftar1);

        // Tombol kembali
        btnBack =
```

```
findViewById(R.id.btnBack);
        btnBack.setOnClickL
istener(view -> finish());

        // Inisialisasi
TextToSpeech
        textToSpeech = new
TextToSpeech(this, this);

        // Inisialisasi
WebView untuk video YouTube
        webView =
findViewById(R.id.webview);
        WebSettings
webSettings =
webView.getSettings();
        webSettings.setJava
ScriptEnabled(true);
        webView.setWebViewC
lient(new WebViewClient());

        String videoId =
"Gc9wqaQ3OPo"; // hanya ID
video
        String html =
"<html><body
style='margin:0;padding:0;'
><iframe width=\"100%\"
height=\"100%\"
src=\"https://www.youtube.c
om/embed/" + videoId + "\"
frameborder=\"0\"
allowfullscreen></iframe></
body></html>";
        webView.loadData(ht
ml, "text/html", "utf-8");

        // Tombol suara 1-8
        int[] soundIconIds
= {
                R.id.soundI
con1, R.id.soundIcon2,
R.id.soundIcon3,
R.id.soundIcon4,
                R.id.soundI
con5, R.id.soundIcon6,
R.id.soundIcon7,
R.id.soundIcon8
        };

        int[] textViewIds =
{
                R.id.textVi
ew3, R.id.textView4,
R.id.textView5,
R.id.textView6,
                R.id.textVi
ew7, R.id.textView8,
R.id.textView9,
R.id.textView10
        };

        for (int i = 0; i <
soundIconIds.length; i++) {
            int iconId =
soundIconIds[i];
            int textId =
textViewIds[i];

            ImageView
soundIcon =
findViewById(iconId);
            soundIcon.setOn
ClickListener(v -> {
                String text
= getTextFromIds(textId);
                speakText(t
ext);
            });
        }

        // Tombol stop
        ImageButton
stopButton =
findViewById(R.id.stopButto
n);
        stopButton.setOnCli
ckListener(v -> {
            if
(textToSpeech != null &&
isSpeaking) {
                textToSpeec
h.stop();
                isSpeaking
= false;
            }
        });
    }

    // Ambil teks dari
TextView
    private String
getTextFromIds(int... ids)
{
        StringBuilder sb =
new StringBuilder();
        for (int id : ids)
{
            TextView
textView =
findViewById(id);
            if (textView !=
```

```
null) {
                sb.append(t
extView.getText().toString(
)).append(" ");
            }
        }
        return
sb.toString().trim();
    }

    // Mulai membaca teks
    private void
speakText(String text) {
        if (textToSpeech !=
null && !text.isEmpty()) {
            textToSpeech.sp
eak(text,
TextToSpeech.QUEUE_FLUSH,
null, "UTTERANCE_ID");
        }
    }

    // Callback ketika TTS
siap digunakan
    @Override
    public void onInit(int
status) {
        if (status ==
TextToSpeech.SUCCESS) {
            int result =
textToSpeech.setLanguage(Lo
cale.getDefault());
            if (result !=
TextToSpeech.LANG_MISSING_D
ATA && result !=
TextToSpeech.LANG_NOT_SUPPO
RTED) {
                textToSpeec
h.setOnUtteranceProgressLis
tener(new
UtteranceProgressListener()
{
                    @Overri
de
                    public
void onStart(String
utteranceId) {
                        isS
peaking = true;
                    }

                    @Overri
de
                    public
void onDone(String
utteranceId) {
                        isS
peaking = false;
                    }

                    @Overri
de
                    public
void onError(String
utteranceId) {
                        isS
peaking = false;
                    }
                });
            }
        }
    }

    @Override
    protected void
onDestroy() {
        if (textToSpeech !=
null) {
            textToSpeech.st
op();
            textToSpeech.sh
utdown();
        }
        super.onDestroy();
    }
}
```

8. Script Layout Peluang Usaha Pada Menu Daftar Konten Panduan

```
<?xml version="1.0"
encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schem
as.android.com/apk/res/andr
oid"
    xmlns:app="http://schem
as.android.com/apk/res-
auto"
    xmlns:tools="http://sch
emas.android.com/tools"
    android:layout_width="m
atch_parent"
    android:layout_height="
match_parent"
    android:background="@dr
awable/walpaper"
    tools:context=".daftar1
">
    <!-- Konten Scroll -->
```

```
    <RelativeLayout
        android:layout_width="match_parent"
        android:layout_height="60dp"
        android:background="@color/blue">
        <!-- Kembali Button -->
        <ImageButton
            android:id="@+id/btnBack"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_gravity="start"
            android:layout_marginTop="10dp"
            android:background="?attr/selectableItemBackgroundBorderless"
            android:contentDescription="Kembali"
            android:padding="8dp"
            android:src="@drawable/baseline_arrow_back_ios_new_24" />
        <TextView
            android:id="@+id/toolbarTitle"
            android:layout_width="wrap_content"
            android:layout_height="match_parent"
            android:layout_centerInParent="true"
            android:gravity="center"
            android:text="Peluang Usaha Lele"
            android:textColor="@color/black"
            android:textSize="20sp"
            android:fontFamily="sans-serif-condensed-medium" />
        <!-- Tombol Stop di kanan -->
        <ImageButton
            android:id="@+id/stopButton"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_alignParentEnd="true"
            android:layout_centerVertical="true"
            android:background="?attr/selectableItemBackgroundBorderless"
            android:contentDescription="Stop"
            android:padding="8dp"
            android:src="@drawable/baseline_stop_circle_24" />
    </RelativeLayout>
    <ScrollView
        android:id="@+id/scrollView"
        android:layout_width="match_parent"
        android:layout_marginTop="65dp"
        android:layout_height="match_parent">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical"
        android:padding="16dp">
        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="vertical"
            android:background="@drawable/text_border"
            android:gravity="center">
            <WebView
                android:id="@+id/webview"
                android:layout_width="match_parent"
                android:layout_height="300dp"
                tools:ignor
```

```
e="WebViewLayout" />
        </LinearLayout>
    <!-- Blok 1 -->
    <LinearLayout
        android:layout_widt
h="match_parent"
        android:layout_heig
ht="wrap_content"
        android:orientation
="vertical"
        android:gravity="ce
nter_vertical">
        <ImageView
            android:id="@+i
d/soundIcon1"
            android:layout_
width="100dp"
            android:layout_
height="30dp"
            android:layout_
gravity="center"
            android:src="@d
rawable/baseline_volume_up_
24"
            android:content
Description="Speak" />
        <TextView
            android:id="@+i
d/textView3"
            android:layout_
width="match_parent"
            android:layout_
height="wrap_content"
            android:justifi
cationMode="inter_word"
            android:lineSpa
cingExtra="2dp"
            android:text="@
string/Peternak_lele"
            android:textCol
or="@color/black"
            android:textSiz
e="16sp" />
        <LinearLayout
            android:layout_
width="match_parent"
            android:layout_
height="wrap_content"
            android:orienta
tion="vertical"
            android:layout_
marginTop="25dp"
            android:gravity
="center_vertical">
        <ImageView
            android:id="@+i
d/soundIcon2"
            android:layout_
width="100dp"
            android:layout_
height="30dp"
            android:layout_
gravity="center"
            android:src="@d
rawable/baseline_volume_up_
24"
            android:content
Description="Speak" />
        <TextView
            android:id="@+i
d/textView4"
            android:layout_
width="match_parent"
            android:layout_
height="wrap_content"
            android:justifi
cationMode="inter_word"
            android:lineSpa
cingExtra="2dp"
            android:text="@
string/Peternak_lele2"
            android:textCol
or="@color/black"
            android:textSiz
e="16sp" />
        </LinearLayout>
        <LinearLayout
            android:layout_
width="match_parent"
            android:layout_
height="wrap_content"
            android:orienta
tion="vertical"
            android:layout_
marginTop="25dp"
            android:gravity
="center_vertical">
        <ImageView
            android:id="@+i
d/soundIcon3"
            android:layout_
width="100dp"
            android:layout_
height="30dp"
            android:layout_
gravity="center"
            android:src="@d
rawable/baseline_volume_up_
24"
            android:content
Description="Speak"
            tools:ignore="D
```

```
uplicateIds" />
        <TextView
            android:id="@+i
d/textView5"
            android:layout_
width="match_parent"
            android:layout_
height="wrap_content"
            android:justifi
cationMode="inter_word"
            android:lineSpa
cingExtra="2dp"
            android:text="@
string/Peternak_lele3"
            android:textCol
or="@color/black"
            android:textSiz
e="16sp" />
        </LinearLayout>
        <LinearLayout
            android:layout_
width="match_parent"
            android:layout_
height="wrap_content"
            android:orienta
tion="vertical"
            android:layout_
marginTop="25dp"
            android:gravity
="center_vertical">
            <ImageView
                android:id=
"@+id/soundIcon4"
                android:lay
out_width="100dp"
                android:lay
out_height="30dp"
                android:lay
out_gravity="center"
                android:src
="@drawable/baseline_volume
_up_24"
                android:con
tentDescription="Speak"
                tools:ignor
e="DuplicateIds" />
            <TextView
                android:id=
"@+id/textView6"
                android:lay
out_width="match_parent"
                android:lay
out_height="wrap_content"
                android:jus
tificationMode="inter_word"
                android:lin
eSpacingExtra="2dp"
                android:tex
t="@string/Peternak_lele4"
                android:tex
tColor="@color/black"
                android:tex
tSize="16sp" />
        </LinearLayout>
        <LinearLayout
            android:layout_
width="match_parent"
            android:layout_
height="wrap_content"
            android:orienta
tion="vertical"
            android:layout_
marginTop="25dp"
            android:gravity
="center_vertical">
            <ImageView
                android:id=
"@+id/soundIcon5"
                android:lay
out_width="100dp"
                android:lay
out_height="30dp"
                android:lay
out_gravity="center"
                android:src
="@drawable/baseline_volume
_up_24"
                android:con
tentDescription="Speak"
                tools:ignor
e="DuplicateIds" />
            <TextView
                android:id=
"@+id/textView7"
                android:lay
out_width="match_parent"
                android:lay
out_height="wrap_content"
                android:jus
tificationMode="inter_word"
                android:lin
eSpacingExtra="2dp"
                android:tex
t="@string/Peternak_lele5"
                android:tex
tColor="@color/black"
                android:tex
tSize="16sp" />
        </LinearLayout>
        <LinearLayout
            android:layout_
width="match_parent"
```

```
            android:layout_
height="wrap_content"
            android:orienta
tion="vertical"
            android:gravity
="center_vertical">
            <ImageView
                android:id=
"@+id/soundIcon6"
                android:lay
out_width="100dp"
                android:lay
out_height="30dp"
                android:lay
out_gravity="center"
                android:src
="@drawable/baseline_volume
_up_24"
                android:con
tentDescription="Speak" />
            <TextView
                android:id=
"@+id/textView8"
                android:lay
out_width="match_parent"
                android:lay
out_height="wrap_content"
                android:jus
tificationMode="inter_word"
                android:lin
eSpacingExtra="2dp"
                android:tex
t="@string/Budidaya_lahan_s
empit"
                android:tex
tColor="@color/black"
                android:tex
tSize="16sp" />
        </LinearLayout>
        <LinearLayout
            android:layout_
width="match_parent"
            android:layout_
height="wrap_content"
            android:orienta
tion="vertical"
            android:layout_
marginTop="25dp"
            android:gravity
="center_vertical">
            <ImageView
                android:id=
"@+id/soundIcon7"
                android:lay
out_width="100dp"
                android:lay
out_height="30dp"
                android:lay
out_gravity="center"
                android:src
="@drawable/baseline_volume
_up_24"
                android:con
tentDescription="Speak"
                tools:ignor
e="DuplicateIds" />
            <TextView
                android:id=
"@+id/textView9"
                android:lay
out_width="match_parent"
                android:lay
out_height="wrap_content"
                android:jus
tificationMode="inter_word"
                android:lin
eSpacingExtra="2dp"
                android:tex
t="@string/Potensi_pasar"
                android:tex
tColor="@color/black"
                android:tex
tSize="16sp" />
        </LinearLayout>
        <LinearLayout
            android:layout_
width="match_parent"
            android:layout_
height="wrap_content"
            android:orienta
tion="vertical"
            android:layout_
marginTop="25dp"
            android:gravity
="center_vertical">
            <ImageView
                android:id=
"@+id/soundIcon8"
                android:lay
out_width="100dp"
                android:lay
out_height="30dp"
                android:lay
out_gravity="center"
                android:src
="@drawable/baseline_volume
_up_24"
                android:con
tentDescription="Speak"
                tools:ignor
e="DuplicateIds" />
            <TextView
```

```
                android:id=
"@+id/textView10"
                android:lay
out_width="match_parent"
                android:lay
out_height="wrap_content"
                android:jus
tificationMode="inter_word"
                android:lin
eSpacingExtra="2dp"
                android:tex
t="@string/Keunggulan_lele"
                    android:tex
tColor="@color/black"
                    android:tex
tSize="16sp" />
        </LinearLayout>
    </LinearLayout>
    </LinearLayout>
    </ScrollView>
</RelativeLayout>
```

9. Script Java Menu Tips dan Trik Budidaya Lele

```
package
com.example.budidaya_lele;

import
android.annotation.Suppress
Lint;
import
android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import
android.speech.tts.TextToSp
eech;
import
android.speech.tts.Utteranc
eProgressListener;
import
android.webkit.WebSettings;
import
android.webkit.WebView;
import
android.webkit.WebViewClien
t;
import
android.widget.ImageButton;
import
android.widget.ImageView;
import
android.widget.TextView;
import
androidx.appcompat.app.AppC
ompatActivity;
import java.util.Locale;
public class Tips_trik
extends AppCompatActivity
implements
TextToSpeech.OnInitListener
{
    private TextToSpeech
textToSpeech;
    private WebView
webView;
    private boolean
isSpeaking = false;
    ImageButton btnBack;
    @SuppressLint("MissingI
nflatedId")
    @Override
    protected void
onCreate(Bundle
savedInstanceState) {
        super.onCreate(save
dInstanceState);
        setContentView(R.la
yout.activity_tips_trik);
        // Tombol kembali
        btnBack =
findViewById(R.id.btnBack);
        btnBack.setOnClickL
istener(view -> finish());
        // Inisialisasi TTS
        textToSpeech = new
TextToSpeech(this, this);
        webView =
findViewById(R.id.webview);
        WebSettings
webSettings =
webView.getSettings();
        webSettings.setJava
ScriptEnabled(true);
        webView.setWebViewC
lient(new WebViewClient());

        String videoId =
"gKmqwON3sLk"; // hanya ID
video
        String html =
"<html><body
style='margin:0;padding:0;'
><iframe width=\"100%\"
height=\"100%\"
src=\"https://www.youtube.c
om/embed/" + videoId + "\"
frameborder=\"0\"
```

```
allowfullscreen></iframe></
body></html>";
        webView.loadData(ht
ml, "text/html", "utf-8");

        // Tombol suara 1
        ImageView
soundIcon1 =
findViewById(R.id.soundIcon
1);
        soundIcon1.setOnCli
ckListener(v -> {
            String text =
getTextFromIds(R.id.textVie
w1, R.id.textView3);
            speakText(text)
;
        });
        // Tombol suara 2
        ImageView
soundIcon2 =
findViewById(R.id.soundIcon
2);
        soundIcon2.setOnCli
ckListener(v -> {
            String text =
getTextFromIds(R.id.textVie
w4, R.id.textView6);
            speakText(text)
;
        });
        // Tombol suara 3
        ImageView
soundIcon3 =
findViewById(R.id.soundIcon
3);
        soundIcon3.setOnCli
ckListener(v -> {
            String text =
getTextFromIds(R.id.textVie
w7, R.id.textView8);
            speakText(text)
;
        });
        // Tombol suara 4
        ImageView
soundIcon4 =
findViewById(R.id.soundIcon
4);
        soundIcon4.setOnCli
ckListener(v -> {
            String text =
getTextFromIds(R.id.textVie
w9, R.id.textView10);
            speakText(text)
;
        });
        // Tombol suara 5
        ImageView
soundIcon5 =
findViewById(R.id.soundIcon
5);
        soundIcon5.setOnCli
ckListener(v -> {
            String text =
getTextFromIds(R.id.textVie
w11, R.id.textView12);
            speakText(text)
;
        });
        // Tombol suara 6
        ImageView
soundIcon6 =
findViewById(R.id.soundIcon
6);
        soundIcon6.setOnCli
ckListener(v -> {
            String text =
getTextFromIds(R.id.textVie
w13, R.id.textView14);
            speakText(text)
;
        });
        // Tombol suara 7
        ImageView
soundIcon7 =
findViewById(R.id.soundIcon
7);
        soundIcon7.setOnCli
ckListener(v -> {
            String text =
getTextFromIds(R.id.textVie
w15, R.id.textView16);
            speakText(text)
;
        });
        // Tombol suara 8
        ImageView
soundIcon8 =
findViewById(R.id.soundIcon
8);
        soundIcon8.setOnCli
ckListener(v -> {
            String text =
getTextFromIds(R.id.textVie
w17, R.id.textView18);
            speakText(text)
;
        });
        // Tombol suara 9
        ImageView
soundIcon9 =
```

```
findViewById(R.id.soundIcon
9);
        soundIcon9.setOnCli
ckListener(v -> {
            String text =
getTextFromIds(R.id.textVie
w19, R.id.textView20);
            speakText(text)
;
        });
        // Tombol suara 10
        ImageView
soundIcon10 =
findViewById(R.id.soundIcon
10);
        soundIcon10.setOnCl
ickListener(v -> {
            String text =
getTextFromIds(R.id.textVie
w21, R.id.textView22);
            speakText(text)
;
        });
        // Tombol suara 11
        ImageView
soundIcon11 =
findViewById(R.id.soundIcon
11);
        soundIcon11.setOnCl
ickListener(v -> {
            String text =
getTextFromIds(R.id.textVie
w23, R.id.textView24);
            speakText(text)
;
        });
        // Tombol suara 12
        ImageView
soundIcon12 =
findViewById(R.id.soundIcon
12);
        soundIcon12.setOnCl
ickListener(v -> {
            String text =
getTextFromIds(R.id.textVie
w25, R.id.textView26);
            speakText(text)
;
        });

        // Tombol stop
        ImageButton
stopButton =
findViewById(R.id.stopButto
n);
        stopButton.setOnCli
ckListener(v -> {
            if
(textToSpeech != null) {
                textToSpeec
h.stop();
                isSpeaking
= false;
            }
        });
    }

    private String
getTextFromIds(int... ids)
{
        StringBuilder sb =
new StringBuilder();
        for (int id : ids)
{
            TextView
textView =
findViewById(id);
            sb.append(textV
iew.getText().toString()).a
ppend(" ");
        }
        return
sb.toString().trim();
    }
    private void
speakText(String text) {
        if (textToSpeech !=
null) {
            textToSpeech.sp
eak(text,
TextToSpeech.QUEUE_FLUSH,
null, "UTTERANCE_ID");
        }
    }
    @Override
    public void onInit(int
status) {
        if (status ==
TextToSpeech.SUCCESS) {
            textToSpeech.se
tLanguage(Locale.getDefault
());
            textToSpeech.se
tOnUtteranceProgressListene
r(new
UtteranceProgressListener()
{
                @Override
                public void
onStart(String utteranceId)
{
                    isSpeak
```

```
ing = true;
                }
                @Override
                public void
onDone(String utteranceId)
{
                    isSpeak
ing = false;
                }
                @Override
                public void
onError(String utteranceId)
{
                    isSpeak
ing = false;
                }
                });
            }
        }
        @Override
        protected void
onDestroy() {
            if (textToSpeech !=
null) {
                textToSpeech.st
op();
                textToSpeech.sh
utdown();
            }
            super.onDestroy();
        }
```

10. Script Layout Menu Tips dan Trik Budidaya Lele

```
<?xml version="1.0"
encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schem
as.android.com/apk/res/andr
oid"

xmlns:app="http://schemas.a
ndroid.com/apk/res-auto"

xmlns:tools="http://schemas
.android.com/tools"

android:layout_width="match
_parent"

android:layout_height="matc
h_parent"

android:background="@drawab
le/walpaper"

tools:context=".Tips_trik">
    <!-- Konten Scroll -->
    <RelativeLayout

android:layout_width="match
_parent"

android:layout_height="60dp
"

android:background="@color/
blue">
        <!-- Kembali Button
-->
        <ImageButton

android:id="@+id/btnBack"

android:layout_width="wrap_
content"

android:layout_height="wrap
_content"

android:layout_marginTop="1
0dp"

android:layout_gravity="sta
rt"

android:background="?attr/s
electableItemBackgroundBord
erless"

android:contentDescription=
"Kembali"

android:padding="8dp"

android:src="@drawable/base
line_arrow_back_ios_new_24"
/>
        <TextView

android:id="@+id/toolbarTit
le"

android:layout_width="wrap_
content"

android:layout_height="matc
h_parent"

android:layout_centerInPare
nt="true"
```

```
android:gravity="center"

android:text="Tips dan Trik
Budidaya Lele"

android:textColor="@color/b
lack"

android:textSize="20sp"

android:fontFamily="sans-
serif-condensed-medium" />
        <!-- Tombol Stop di
kanan -->
        <ImageButton

android:id="@+id/stopButton
"

android:layout_width="wrap_
content"

android:layout_height="wrap
_content"

android:layout_alignParentE
nd="true"

android:layout_centerVertic
al="true"

android:background="?attr/s
electableItemBackgroundBord
erless"

android:contentDescription=
"Stop"

android:padding="8dp"

android:src="@drawable/base
line_stop_circle_24" />
    </RelativeLayout>
    <!-- Konten Scroll -->
    <ScrollView

android:id="@+id/scrollView
"

android:layout_width="match
_parent"

android:layout_marginTop="6
5dp"

android:layout_height="matc
h_parent">
        <LinearLayout

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:orientation="vertic
al"

android:padding="16dp">
            <LinearLayout

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:orientation="vertic
al"

android:background="@drawab
le/text_border"

android:gravity="center">
                <WebView

android:id="@+id/webview"

android:layout_width="match
_parent"

android:layout_height="300d
p"

tools:ignore="WebViewLayout
" />
            </LinearLayout>
            <!-- Blok 1 -->
            <LinearLayout

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:orientation="vertic
al"

android:gravity="center_ver
tical">
                <TextView
```

```
android:id="@+id/textView1"

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:fontFamily="sans-
serif-condensed"

android:paddingBottom="8dp"

android:gravity="center"

android:textColor="@color/b
lack"

android:textSize="20sp"

android:textStyle="bold"

android:text="Keinginan dan
Keberanian" />
                <ImageView

android:id="@+id/soundIcon1
"

android:layout_width="100dp
"

android:layout_height="30dp
"

android:layout_gravity="cen
ter"

android:src="@drawable/base
line_volume_up_24"

android:contentDescription=
"Speak" />
                <TextView

android:id="@+id/textView3"

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:text="@string/keber
anian"

android:textSize="16sp"

android:textColor="@color/b
lack"

android:justificationMode="
inter_word"

android:lineSpacingExtra="2
dp" />
            </LinearLayout>
            <!-- Blok 2 -->
            <LinearLayout

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:orientation="vertic
al"

android:gravity="center_ver
tical">
                <ImageView

android:id="@+id/soundIcon2
"

android:layout_width="100dp
"

android:layout_height="30dp
"

android:layout_gravity="cen
ter"

android:src="@drawable/base
line_volume_up_24"

android:contentDescription=
"Speak" />
                <TextView

android:id="@+id/textView4"

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:fontFamily="sans-
```

```
serif-condensed"
android:paddingBottom="8dp"
android:gravity="center"
android:text="Pengetahuan"
android:textColor="@color/b
lack"
android:textSize="20sp"
android:textStyle="bold" />
                <TextView
android:id="@+id/textView6"
android:layout_width="match
_parent"
android:layout_height="wrap
_content"
android:text="@string/penge
tahuan"
android:textSize="16sp"
android:textColor="@color/b
lack"
android:justificationMode="
inter_word"
android:lineSpacingExtra="2
dp" />
            </LinearLayout>
            <!-- Blok 3:
Modal -->
            <LinearLayout
android:layout_width="match
_parent"
android:layout_height="wrap
_content"
android:orientation="vertic
al"
android:gravity="center_ver
tical">
                <ImageView
android:id="@+id/soundIcon3
"
android:layout_width="100dp
"
android:layout_height="30dp
"
android:layout_gravity="cen
ter"
android:src="@drawable/base
line_volume_up_24"
android:contentDescription=
"Speak" />
                <TextView
android:id="@+id/textView7"
android:layout_width="match
_parent"
android:layout_height="wrap
_content"
android:paddingBottom="8dp"
android:gravity="center"
android:text="Modal"
android:textColor="@color/b
lack"
android:textSize="20sp"
android:textStyle="bold" />
                <TextView
android:id="@+id/textView8"
android:layout_width="match
_parent"
android:layout_height="wrap
_content"
android:paddingBottom="5dp"
android:textColor="@color/b
lack"
android:textSize="16sp"
android:justificationMode="
```

```
inter_word"

android:text="@string/modal
" />
            </LinearLayout>
            <!-- Blok 4:
Lahan -->
            <LinearLayout

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:orientation="vertic
al"

android:gravity="center_ver
tical">
                <ImageView

android:id="@+id/soundIcon4
"

android:layout_width="100dp
"

android:layout_height="30dp
"

android:layout_gravity="cen
ter"

android:src="@drawable/base
line_volume_up_24"

android:contentDescription=
"Speak" />
                <TextView

android:id="@+id/textView9"

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:paddingBottom="8dp"

android:gravity="center"

android:text="Lahan"

android:textColor="@color/b
lack"

android:textSize="20sp"

android:textStyle="bold" />
                <TextView

android:id="@+id/textView10
"

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:paddingBottom="5dp"

android:textColor="@color/b
lack"

android:textSize="16sp"

android:justificationMode="
inter_word"

android:text="@string/Lahan
" />
            </LinearLayout>
            <LinearLayout

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:orientation="vertic
al"

android:gravity="center_ver
tical">
                <ImageView

android:id="@+id/soundIcon5
"

android:layout_width="100dp
"

android:layout_height="30dp
"

android:layout_gravity="cen
ter"
```

```
android:src="@drawable/base
line_volume_up_24"

android:contentDescription=
"Speak" />
                <TextView

android:id="@+id/textView11
"

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:paddingBottom="8dp"

android:gravity="center"

android:text="Sumber Air"

android:textColor="@color/b
lack"

android:textSize="20sp"

android:textStyle="bold" />
                <TextView

android:id="@+id/textView12
"

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:paddingBottom="5dp"

android:textColor="@color/b
lack"

android:textSize="16sp"

android:justificationMode="
inter_word"

android:text="@string/sumbe
r_air" />
            </LinearLayout>
            <LinearLayout

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:orientation="vertic
al"

android:gravity="center_ver
tical">
                <ImageView

android:id="@+id/soundIcon6
"

android:layout_width="100dp
"

android:layout_height="30dp
"

android:layout_gravity="cen
ter"

android:src="@drawable/base
line_volume_up_24"

android:contentDescription=
"Speak" />
                <TextView

android:id="@+id/textView13
"

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:paddingBottom="8dp"

android:gravity="center"

android:text="Induk Bibit
Unggul"

android:textColor="@color/b
lack"

android:textSize="20sp"

android:textStyle="bold" />
                <TextView

android:id="@+id/textView14
"
```

```
android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:paddingBottom="5dp"

android:textColor="@color/b
lack"

android:textSize="16sp"

android:justificationMode="
inter_word"

android:text="@string/induk
_bibit_unggul" />

<LinearLayout

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:orientation="vertic
al"

android:gravity="center_ver
tical">

<ImageView

android:id="@+id/soundIcon7
"

android:layout_width="100dp
"

android:layout_height="30dp
"

android:layout_gravity="cen
ter"

android:src="@drawable/base
line_volume_up_24"

android:contentDescription=
"Speak" />

<TextView

android:id="@+id/textView15
"

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:paddingBottom="8dp"

android:gravity="center"

android:text="Pakan Yang
Baik"

android:textColor="@color/b
lack"

android:textSize="20sp"

android:textStyle="bold" />

<TextView

android:id="@+id/textView16
"

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:paddingBottom="5dp"

android:textColor="@color/b
lack"

android:textSize="16sp"

android:justificationMode="
inter_word"

android:text="@string/Pakan
_yang_baik" />

<LinearLayout

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:orientation="vertic
```

```
al"
android:gravity="center_ver
tical">
<ImageView
android:id="@+id/soundIcon8
"
android:layout_width="100dp
"
android:layout_height="30dp
"
android:layout_gravity="cen
ter"
android:src="@drawable/base
line_volume_up_24"
android:contentDescription=
"Speak" />
<TextView
android:id="@+id/textView17
"
android:layout_width="match
_parent"
android:layout_height="wrap
_content"
android:paddingBottom="8dp"
android:gravity="center"
android:text="Memanfatkan
Sarana Pendukung"
android:textColor="@color/b
lack"
android:textSize="20sp"
android:textStyle="bold" />
<TextView
android:id="@+id/textView18
"
android:layout_width="match
_parent"
android:layout_height="wrap
_content"
android:paddingBottom="5dp"
android:textColor="@color/b
lack"
android:textSize="16sp"
android:justificationMode="
inter_word"
android:text="@string/Meman
faatkan_sarana_pendukung"
/>
</LinearLayout>
<LinearLayout
android:layout_width="match
_parent"
android:layout_height="wrap
_content"
android:orientation="vertic
al"
android:gravity="center_ver
tical">
<ImageView
android:id="@+id/soundIcon9
"
android:layout_width="100dp
"
android:layout_height="30dp
"
android:layout_gravity="cen
ter"
android:src="@drawable/base
line_volume_up_24"
android:contentDescription=
"Speak" />
<TextView
```

```
android:id="@+id/textView19
"

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:paddingBottom="8dp"

android:gravity="center"

android:text="Keseriusan
dan Kesabaran"

android:textColor="@color/b
lack"

android:textSize="20sp"

android:textStyle="bold" />

<TextView

android:id="@+id/textView20
"

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:paddingBottom="5dp"

android:textColor="@color/b
lack"

android:textSize="16sp"

android:justificationMode="
inter_word"

android:text="@string/Keser
iusan_dan_Kesabaran" />

</LinearLayout>

<LinearLayout

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:orientation="vertic
al"

android:gravity="center_ver
tical">

<ImageView

android:id="@+id/soundIcon1
0"

android:layout_width="100dp
"

android:layout_height="30dp
"

android:layout_gravity="cen
ter"

android:src="@drawable/base
line_volume_up_24"

android:contentDescription=
"Speak" />

<TextView

android:id="@+id/textView21
"

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:paddingBottom="8dp"

android:gravity="center"

android:text="Menjalankan
Usaha Secara Bertahap"

android:textColor="@color/b
lack"

android:textSize="20sp"

android:textStyle="bold" />

<TextView

android:id="@+id/textView22
```

```
"

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:paddingBottom="5dp"

android:textColor="@color/b
lack"

android:textSize="16sp"

android:justificationMode="
inter_word"

android:text="@string/Menja
lankan_usaha_secara_bertaha
p" />

</LinearLayout>

<LinearLayout

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:orientation="vertic
al"

android:gravity="center_ver
tical">

<ImageView

android:id="@+id/soundIcon1
1"

android:layout_width="100dp
"

android:layout_height="30dp
"

android:layout_gravity="cen
ter"

android:src="@drawable/base
line_volume_up_24"

android:contentDescription=
"Speak" />

<TextView

android:id="@+id/textView23
"

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:paddingBottom="8dp"

android:gravity="center"

android:text="Hemat Biaya"

android:textColor="@color/b
lack"

android:textSize="20sp"

android:textStyle="bold" />

<TextView

android:id="@+id/textView24
"

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:paddingBottom="5dp"

android:textColor="@color/b
lack"

android:textSize="16sp"

android:justificationMode="
inter_word"

android:text="@string/Hemat
_biaya" />

</LinearLayout>

<LinearLayout

android:layout_width="match
_parent"
```

```
android:layout_height="wrap
_content"

android:orientation="vertic
al"

android:gravity="center_ver
tical">

<ImageView

android:id="@+id/soundIcon1
2"

android:layout_width="100dp
"

android:layout_height="30dp
"

android:layout_gravity="cen
ter"

android:src="@drawable/base
line_volume_up_24"

android:contentDescription=
"Speak" />

<TextView

android:id="@+id/textView25
"

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:paddingBottom="8dp"
android:gravity="center"

android:text="Pemasaran"

android:textColor="@color/b
lack"

android:textSize="20sp"

android:textStyle="bold" />

<TextView

android:id="@+id/textView26
"

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:paddingBottom="5dp"

android:textColor="@color/b
lack"

android:textSize="16sp"

android:justificationMode="
inter_word"

android:text="@string/Pasar
" />

</LinearLayout>

</LinearLayout>
            </LinearLayout>
        </LinearLayout>
    </ScrollView>
</RelativeLayout>
```

11. Script Java Menu Analisis Usaha

```
package
com.example.budidaya_lele;

import
android.annotation.Suppress
Lint;
import
android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import
android.speech.tts.TextToSp
eech;
import
android.speech.tts.Utteranc
eProgressListener;
import
android.webkit.WebSettings;
import
android.webkit.WebView;
```

```
import
android.webkit.WebViewClien
t;
import
android.widget.ImageButton;
import
android.widget.ImageView;
import
android.widget.TextView;
import
androidx.appcompat.app.AppC
ompatActivity;
import java.util.Locale;
public class Tips_trik
extends AppCompatActivity
implements
TextToSpeech.OnInitListener
{
    private TextToSpeech
textToSpeech;
    private WebView
webView;
    private boolean
isSpeaking = false;
    ImageButton btnBack;
    @SuppressLint("MissingI
nflatedId")
    @Override
    protected void
onCreate(Bundle
savedInstanceState) {
        super.onCreate(save
dInstanceState);
        setContentView(R.la
yout.activity_tips_trik);
        // Tombol kembali
        btnBack =
findViewById(R.id.btnBack);
        btnBack.setOnClickL
istener(view -> finish());
        // Inisialisasi TTS
        textToSpeech = new
TextToSpeech(this, this);
        webView =
findViewById(R.id.webview);
        WebSettings
webSettings =
webView.getSettings();
        webSettings.setJava
ScriptEnabled(true);
        webView.setWebViewC
lient(new WebViewClient());

        String videoId =
"gKmqwON3sLk"; // hanya ID
video
        String html =
"<html><body
style='margin:0;padding:0;'
><iframe width=\"100%\"
height=\"100%\"
src=\"https://www.youtube.c
om/embed/" + videoId + "\"
frameborder=\"0\"
allowfullscreen></iframe></
body></html>";
        webView.loadData(ht
ml, "text/html", "utf-8");

        // Tombol suara 1
        ImageView
soundIcon1 =
findViewById(R.id.soundIcon
1);
        soundIcon1.setOnCli
ckListener(v -> {
            String text =
getTextFromIds(R.id.textVie
w1, R.id.textView3);
            speakText(text)
;
        });
        // Tombol suara 2
        ImageView
soundIcon2 =
findViewById(R.id.soundIcon
2);
        soundIcon2.setOnCli
ckListener(v -> {
            String text =
getTextFromIds(R.id.textVie
w4, R.id.textView6);
            speakText(text)
;
        });
        // Tombol suara 3
        ImageView
soundIcon3 =
findViewById(R.id.soundIcon
3);
        soundIcon3.setOnCli
ckListener(v -> {
            String text =
getTextFromIds(R.id.textVie
w7, R.id.textView8);
            speakText(text)
;
        });
        // Tombol suara 4
        ImageView
soundIcon4 =
findViewById(R.id.soundIcon
```

```
4);
        soundIcon4.setOnCli
ckListener(v -> {
            String text =
getTextFromIds(R.id.textVie
w9, R.id.textView10);
            speakText(text)
;
        });
        // Tombol suara 5
        ImageView
soundIcon5 =
findViewById(R.id.soundIcon
5);
        soundIcon5.setOnCli
ckListener(v -> {
            String text =
getTextFromIds(R.id.textVie
w11, R.id.textView12);
            speakText(text)
;
        });
        // Tombol suara 6
        ImageView
soundIcon6 =
findViewById(R.id.soundIcon
6);
        soundIcon6.setOnCli
ckListener(v -> {
            String text =
getTextFromIds(R.id.textVie
w13, R.id.textView14);
            speakText(text)
;
        });
        // Tombol suara 7
        ImageView
soundIcon7 =
findViewById(R.id.soundIcon
7);
        soundIcon7.setOnCli
ckListener(v -> {
            String text =
getTextFromIds(R.id.textVie
w15, R.id.textView16);
            speakText(text)
;
        });
        // Tombol suara 8
        ImageView
soundIcon8 =
findViewById(R.id.soundIcon
8);
        soundIcon8.setOnCli
ckListener(v -> {
            String text =
getTextFromIds(R.id.textVie
w17, R.id.textView18);
            speakText(text)
;
        });
        // Tombol suara 9
        ImageView
soundIcon9 =
findViewById(R.id.soundIcon
9);
        soundIcon9.setOnCli
ckListener(v -> {
            String text =
getTextFromIds(R.id.textVie
w19, R.id.textView20);
            speakText(text)
;
        });
        // Tombol suara 10
        ImageView
soundIcon10 =
findViewById(R.id.soundIcon
10);
        soundIcon10.setOnCl
ickListener(v -> {
            String text =
getTextFromIds(R.id.textVie
w21, R.id.textView22);
            speakText(text)
;
        });
        // Tombol suara 11
        ImageView
soundIcon11 =
findViewById(R.id.soundIcon
11);
        soundIcon11.setOnCl
ickListener(v -> {
            String text =
getTextFromIds(R.id.textVie
w23, R.id.textView24);
            speakText(text)
;
        });
        // Tombol suara 12
        ImageView
soundIcon12 =
findViewById(R.id.soundIcon
12);
        soundIcon12.setOnCl
ickListener(v -> {
            String text =
getTextFromIds(R.id.textVie
w25, R.id.textView26);
            speakText(text)
;
```

```
        });

        // Tombol stop
        ImageButton
stopButton =
findViewById(R.id.stopButto
n);
        stopButton.setOnCli
ckListener(v -> {
            if
(textToSpeech != null) {
                textToSpeec
h.stop();
                isSpeaking
= false;
            }
        });
    }

    private String
getTextFromIds(int... ids)
{
        StringBuilder sb =
new StringBuilder();
        for (int id : ids)
{
            TextView
textView =
findViewById(id);
            sb.append(textV
iew.getText().toString()).a
ppend(" ");
        }
        return
sb.toString().trim();
    }
    private void
speakText(String text) {
        if (textToSpeech !=
null) {
            textToSpeech.sp
eak(text,
TextToSpeech.QUEUE_FLUSH,
null, "UTTERANCE_ID");
        }
    }
    @Override
    public void onInit(int
status) {
        if (status ==
TextToSpeech.SUCCESS) {
            textToSpeech.se
tLanguage(Locale.getDefault
());
            textToSpeech.se
tOnUtteranceProgressListene
r(new
UtteranceProgressListener()
{
                @Override
                public void
onStart(String utteranceId)
{
                    isSpeak
ing = true;
                }
                @Override
                public void
onDone(String utteranceId)
{
                    isSpeak
ing = false;
                }
                @Override
                public void
onError(String utteranceId)
{
                    isSpeak
ing = false;
                }
            });
        }
    }
    @Override
    protected void
onDestroy() {
        if (textToSpeech !=
null) {
            textToSpeech.st
op();
            textToSpeech.sh
utdown();
        }
        super.onDestroy();
    }
```

12. Script Layout Menu Analisis Usaha

```
<?xml version="1.0"
encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schem
as.android.com/apk/res/andr
oid"
xmlns:app="http://schemas.a
ndroid.com/apk/res-auto"

xmlns:tools="http://schemas
.android.com/tools"

android:layout_width="match
```

```
_parent"

android:layout_height="matc
h_parent"

android:background="@drawab
le/walpaper"

tools:context=".Analisis_us
aha">
    <!-- Konten Scroll -->
    <RelativeLayout

android:layout_width="match
_parent"

android:layout_height="60dp
"

android:background="@color/
blue">
        <!-- Kembali Button
-->
        <ImageButton

android:id="@+id/btnBack"

android:layout_width="wrap_
content"

android:layout_height="wrap
_content"

android:layout_gravity="sta
rt"

android:layout_marginTop="1
0dp"

android:background="?attr/s
electableItemBackgroundBord
erless"

android:contentDescription=
"Kembali"

android:padding="8dp"

android:src="@drawable/base
line_arrow_back_ios_new_24"
/>
        <TextView

android:id="@+id/toolbarTit
le"

android:layout_width="wrap_
content"

android:layout_height="matc
h_parent"

android:layout_centerInPare
nt="true"

android:gravity="center"

android:text="Analisis
Usaha"

android:textColor="@color/b
lack"

android:textSize="20sp"

android:fontFamily="sans-
serif-condensed-medium" />
        <!-- Tombol Stop di
kanan -->
        <ImageButton

android:id="@+id/stopButton
"

android:layout_width="wrap_
content"

android:layout_height="wrap
_content"

android:layout_alignParentE
nd="true"

android:layout_centerVertic
al="true"

android:background="?attr/s
electableItemBackgroundBord
erless"

android:contentDescription=
"Stop"

android:padding="8dp"

android:src="@drawable/base
line_stop_circle_24" />
    </RelativeLayout>
    <!-- Konten Scroll -->
    <ScrollView

android:id="@+id/scrollView
```

```
"

android:layout_width="match
_parent"

android:layout_marginTop="6
5dp"

android:layout_height="matc
h_parent">
    <LinearLayout

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:orientation="vertic
al"

android:padding="16dp">
            <LinearLayout

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:orientation="vertic
al"

android:background="@drawab
le/text_border"

android:gravity="center">
                <WebView

android:id="@+id/webview"

android:layout_width="match
_parent"

android:layout_height="300d
p"

tools:ignore="WebViewLayout
" />
            </LinearLayout>
    <!-- Blok 1 -->
    <LinearLayout

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:orientation="vertic
al"

android:gravity="center_ver
tical"

tools:ignore="WebViewLayout
">
        <TextView

android:id="@+id/textView1"

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:fontFamily="sans-
serif-condensed"

android:paddingBottom="8dp"

android:gravity="center"

android:textColor="@color/b
lack"

android:textSize="20sp"

android:textStyle="bold"

android:text="Analisis
Usaha Pembenihan Lele" />
        <ImageView

android:id="@+id/soundIcon1
"

android:layout_width="100dp
"

android:layout_height="30dp
"

android:layout_gravity="cen
ter"

android:src="@drawable/base
line_volume_up_24"

android:contentDescription=
"Speak" />
```

```
        <TextView
android:id="@+id/textView3"
android:layout_width="match
_parent"
android:layout_height="wrap
_content"
android:justificationMode="
inter_word"
android:lineSpacingExtra="2
dp"
android:text="@string/Anali
sis_Pembenihan"
android:textColor="@color/b
lack"
android:textSize="16sp" />
        <TextView
android:id="@+id/textView4"
android:layout_width="match
_parent"
android:layout_height="wrap
_content"
android:justificationMode="
inter_word"
android:lineSpacingExtra="2
dp"
android:text="@string/biaya
_produksi"
android:textColor="@color/b
lack"
android:textSize="16sp" />
        <ImageView
android:id="@+id/soundIcon2
"
android:layout_width="100dp
"
android:layout_height="30dp
"
android:layout_gravity="cen
ter"
android:src="@drawable/base
line_volume_up_24"
android:contentDescription=
"Speak" />
        <TextView
android:id="@+id/textView5"
android:layout_width="match
_parent"
android:layout_height="wrap
_content"
android:justificationMode="
inter_word"
android:lineSpacingExtra="2
dp"
android:text="@string/kelay
akan_usaha"
android:textColor="@color/b
lack"
android:textSize="16sp" />
    </LinearLayout>
    <!-- Blok 2 -->
    <LinearLayout
android:layout_width="match
_parent"
android:layout_height="wrap
_content"
android:orientation="vertic
al"
android:gravity="center_ver
tical">
        <ImageView
android:id="@+id/soundIcon3
"
android:layout_width="100dp
"
android:layout_height="30dp
```

```
"

android:layout_gravity="cen
ter"

android:src="@drawable/base
line_volume_up_24"

android:contentDescription=
"Speak" />
        <TextView

android:id="@+id/textView6"

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:fontFamily="sans-
serif-condensed"

android:paddingBottom="8dp"

android:gravity="center"

android:text="Anlisis
Usaha Pembesaran Lele"

android:textColor="@color/b
lack"

android:textSize="20sp"

android:textStyle="bold" />
        <TextView

android:id="@+id/textView7"

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:text="@string/Anali
sis_Pembesaran"

android:textSize="16sp"

android:textColor="@color/b
lack"

android:justificationMode="
inter_word"

android:lineSpacingExtra="2
dp" />
        <TextView

android:id="@+id/textView8"

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:text="@string/kelay
akan2"

android:textSize="16sp"

android:textColor="@color/b
lack"

android:justificationMode="
inter_word"

android:lineSpacingExtra="2
dp" />
    </LinearLayout>
    </LinearLayout>
    </ScrollView>
</RelativeLayout>
```

13. Script Java Kalkulator Pakan Lele

```
package
com.example.budidaya_lele;

import android.os.Bundle;
import android.view.View;
import
android.widget.Button;
import
android.widget.EditText;
import
android.widget.ImageButton;
import
android.widget.TextView;
import
androidx.appcompat.app.AppC
ompatActivity;
public class kalkulator
extends AppCompatActivity {
    EditText etBeratIkan,
etJumlahIkan, etUmurIkan;
    Button btnHitung;
    TextView tvHasil;
    ImageButton btnBack;
    @Override
```

```
    protected void
onCreate(Bundle
savedInstanceState) {

super.onCreate(savedInstanc
eState);

setContentView(R.layout.act
ivity_kalkulator);

        // Tombol kembali
        btnBack =
findViewById(R.id.btnBack);

btnBack.setOnClickListener(
view -> finish());

        etBeratIkan =
findViewById(R.id.etBeratIk
an);
        etJumlahIkan =
findViewById(R.id.etJumlahI
kan);
        etUmurIkan =
findViewById(R.id.etUmurIka
n);
        btnHitung =
findViewById(R.id.btnHitung
);
        tvHasil =
findViewById(R.id.tvHasil);


btnHitung.setOnClickListene
r(new
View.OnClickListener() {
            @Override
            public void
onClick(View v) {
                try {
                    double
berat =
Double.parseDouble(etBeratI
kan.getText().toString());
                    int
jumlah =
Integer.parseInt(etJumlahIk
an.getText().toString());
                    int
umur =
Integer.parseInt(etUmurIkan
.getText().toString());
                    double
persenPakan;
                    if
(umur <= 7) {

persenPakan = 30;
                    } else
if (umur <= 15) {

persenPakan = 15;
                    } else
if (umur <= 30) {

persenPakan = 10;
                    } else
if (umur <= 60) {

persenPakan = 5;
                    } else
{

persenPakan = 3;
                    }
                    double
totalPakan = berat * jumlah
* (persenPakan / 100.0);

tvHasil.setText("Total
Pakan Harian: " +
totalPakan + " gram (" +
persenPakan +

"% dari berat tubuh)");
                } catch
(Exception e) {

tvHasil.setText("Mohon isi
semua data dengan benar.");
                }
            }
        });
    }
}
```

14. Script Layout Kalkulator Pakan Lele

```
<?xml version="1.0"
encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schem
as.android.com/apk/res/andr
oid"
xmlns:app="http://schemas.a
ndroid.com/apk/res-auto"

xmlns:tools="http://schemas
.android.com/tools"
```

```
android:layout_width="match
_parent"

android:layout_height="matc
h_parent"

android:background="@drawab
le/walpaper"

tools:context=".kalkulator"
>

    <RelativeLayout

android:id="@+id/toolbarLay
out"

android:layout_width="match
_parent"

android:layout_height="60dp
"

android:background="@color/
blue">
    <!-- Tombol Kembali -->
        <ImageButton

android:id="@+id/btnBack"

android:layout_width="wrap_
content"

android:layout_height="wrap
_content"

android:layout_marginTop="1
0dp"

android:layout_gravity="sta
rt"

android:background="?attr/s
electableItemBackgroundBord
erless"

android:contentDescription=
"Kembali"

android:padding="8dp"

android:src="@drawable/base
line_arrow_back_ios_new_24"
/>
    <!-- Judul Toolbar -->
        <TextView

android:id="@+id/toolbarTit
le"

android:layout_width="wrap_
content"

android:layout_height="matc
h_parent"

android:layout_centerInPare
nt="true"

android:fontFamily="sans-
serif-condensed-medium"

android:gravity="center"

android:text="Kalkulator
Pakan Lele"

android:textColor="@color/b
lack"

android:textSize="20sp" />
</RelativeLayout>

    <!-- Konten Scroll -->
    <ScrollView

android:layout_width="match
_parent"

android:layout_height="matc
h_parent"

android:layout_below="@id/t
oolbarLayout"

android:padding="16dp">
        <LinearLayout

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:orientation="vertic
al"

android:background="@androi
d:color/white"

android:padding="16dp"
```

```
android:elevation="4dp"

android:layout_margin="8dp"

android:layout_gravity="cen
ter"

android:gravity="center_hor
izontal"

android:layout_centerInPare
nt="true"

android:backgroundTintMode=
"src_atop"

android:clipToPadding="fals
e"

android:layout_marginTop="2
4dp"

android:layout_marginBottom
="24dp">
            <TextView

android:layout_width="wrap_
content"

android:layout_height="wrap
_content"

android:text="Kalkulator
Pakan Ikan"

android:textColor="@color/b
lack"

android:textSize="20sp"

android:textStyle="bold"

android:layout_marginBottom
="24dp" />
            <EditText

android:id="@+id/etBeratIka
n"

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:hint="Berat rata-
rata ikan (gram)"

android:inputType="numberDe
cimal"

android:textColor="@color/b
lack"

android:layout_marginBottom
="12dp"

android:backgroundTint="@co
lor/black" />
            <EditText

android:id="@+id/etJumlahIk
an"

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:hint="Jumlah ikan"

android:inputType="number"

android:textColor="@color/b
lack"

android:layout_marginBottom
="12dp"

android:backgroundTint="@co
lor/black" />
            <EditText

android:id="@+id/etUmurIkan
"

android:layout_width="match
_parent"

android:layout_height="wrap
_content"

android:hint="Umur ikan
(hari)"

android:inputType="number"

android:textColor="@color/b
lack"
```

```
android:layout_marginBottom
="20dp"
android:backgroundTint="@co
lor/black" />
            <Button
android:id="@+id/btnHitung"
android:layout_width="match
_parent"
android:layout_height="wrap
_content"
android:text="Hitung Pakan
Harian"
android:textAllCaps="false"
android:layout_marginBottom
="16dp" />
                <TextView
android:id="@+id/tvHasil"
android:layout_width="match
_parent"
android:layout_height="wrap
_content"
android:text="Total Pakan
Harian: "
android:textColor="@color/b
lack"
android:textSize="18sp"
android:textStyle="bold" />
        </LinearLayout>
    </ScrollView>
</RelativeLayout>
```

15. Script Java Menu Tentang Aplikasi

```
package
com.example.budidaya_lele;

import android.os.Bundle;
import
android.speech.tts.TextToSp
eech;
import
android.speech.tts.Utteranc
eProgressListener;
import
android.widget.ImageButton;
import
android.widget.ImageView;
import
android.widget.TextView;
import
androidx.appcompat.app.AppC
ompatActivity;
import java.util.Locale;
public class
Tentang_aplikasi extends
AppCompatActivity
implements
TextToSpeech.OnInitListener
{
    private TextToSpeech
textToSpeech;
    private boolean
isSpeaking = false;

    @Override
    protected void
onCreate(Bundle
savedInstanceState) {

super.onCreate(savedInstanc
eState);

setContentView(R.layout.act
ivity_tentang_aplikasi);
        // Tombol kembali
        ImageButton btnBack
=
findViewById(R.id.btnBack);

btnBack.setOnClickListener(
v -> finish());

        // Inisialisasi
TextToSpeech
        textToSpeech = new
TextToSpeech(this, this);
        // Tombol suara
        ImageView
soundIcon1 =
findViewById(R.id.soundIcon
1);

soundIcon1.setOnClickListen
er(v -> {
            String text =
getTextFromIds(R.id.textVie
w1);
```

```
speakText(text);
        });
        // Tombol stop
        ImageButton
stopButton =
findViewById(R.id.stopButto
n);

stopButton.setOnClickListen
er(v -> {
            if
(textToSpeech != null &&
isSpeaking) {

textToSpeech.stop();
                isSpeaking
= false;
            }
        });
    }
    // Ambil teks dari
TextView
    private String
getTextFromIds(int... ids)
{
        StringBuilder sb =
new StringBuilder();
        for (int id : ids)
{
            TextView
textView =
findViewById(id);
            if (textView !=
null) {

sb.append(textView.getText(
).toString()).append(" ");
            }
        }
        return
sb.toString().trim();
    }
    // Fungsi bicara
    private void
speakText(String text) {
        if (textToSpeech !=
null && !text.isEmpty()) {

textToSpeech.speak(text,
TextToSpeech.QUEUE_FLUSH,
null, "UTTERANCE_ID");
        }
    }
    // Callback ketika TTS
siap
    @Override
    public void onInit(int
status) {
        if (status ==
TextToSpeech.SUCCESS) {
            int result =
textToSpeech.setLanguage(Lo
cale.getDefault());
            if (result !=
TextToSpeech.LANG_MISSING_D
ATA && result !=
TextToSpeech.LANG_NOT_SUPPO
RTED) {

textToSpeech.setOnUtterance
ProgressListener(new
UtteranceProgressListener()
{

@Override
                    public
void onStart(String
utteranceId) {

isSpeaking = true;
                    }

@Override
                    public
void onDone(String
utteranceId) {

isSpeaking = false;
                    }

@Override
                    public
void onError(String
utteranceId) {

isSpeaking = false;
                    }
                });
            }
        }
    }

    // Matikan TTS saat
activity dihancurkan
    @Override
    protected void
onDestroy() {
        if (textToSpeech !=
null) {

textToSpeech.stop();
```

```
textToSpeech.shutdown();
        }
        super.onDestroy();
    }
}
```

16. Script LayoutMenu Tentang Aplikasi

```
<?xml version="1.0"
encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schemas
.android.com/apk/res/android"
xmlns:app="http://schemas.and
roid.com/apk/res-auto"
xmlns:tools="http://schemas.a
ndroid.com/tools"
android:layout_width="match_p
arent"
android:layout_height="match_
parent"
android:background="@drawable
/walpaper">
    <!-- Konten Scroll -->
    <RelativeLayout
android:layout_width="match_p
arent"
android:layout_height="60dp"
android:background="@color/bl
ue">
        <!-- Kembali Button -
->
        <ImageButton
android:id="@+id/btnBack"
android:layout_width="wrap_co
ntent"
android:layout_height="wrap_c
ontent"
android:layout_marginTop="10d
p"
android:layout_gravity="start
"
android:background="?attr/sel
ectableItemBackgroundBorderle
ss"
android:contentDescription="K
embali"
android:padding="8dp"
android:src="@drawable/baseli
ne_arrow_back_ios_new_24" />
        <TextView
android:id="@+id/toolbarTitle
"
android:layout_width="wrap_co
ntent"
android:layout_height="match_
parent"
android:layout_centerInParent
="true"
android:gravity="center"
android:text="Tentang
Aplikasi"
android:textColor="@color/bla
ck"
android:textSize="20sp"
android:fontFamily="sans-
serif-condensed-medium" />
        <!-- Tombol Stop di
kanan -->
        <ImageButton
android:id="@+id/stopButton"
android:layout_width="wrap_co
ntent"
android:layout_height="wrap_c
ontent"
android:layout_alignParentEnd
="true"
android:layout_centerVertical
="true"
android:background="?attr/sel
ectableItemBackgroundBorderle
ss"
android:contentDescription="S
top"
android:padding="8dp"
android:src="@drawable/baseli
ne_stop_circle_24" />
    </RelativeLayout>

    <ScrollView
android:id="@+id/scrollView"
android:layout_width="match_p
arent"
```

```
android:layout_height="match_
parent"

android:layout_marginTop="60d
p">
        <LinearLayout

android:layout_width="match_p
arent"

android:layout_height="wrap_c
ontent"

android:orientation="vertical
"

android:padding="20dp">
            <LinearLayout

android:layout_width="match_p
arent"

android:layout_height="wrap_c
ontent"

android:orientation="vertical
"

android:gravity="center_verti
cal">
                <ImageView

android:id="@+id/soundIcon1"

android:layout_width="100dp"

android:layout_height="30dp"

android:layout_gravity="cente
r"

android:src="@drawable/baseli
ne_volume_up_24"

android:contentDescription="S
peak" />
                <TextView

android:id="@+id/textView1"

android:layout_width="match_p
arent"

android:layout_height="wrap_c
ontent"

android:fontFamily="sans-
serif-condensed"

android:paddingBottom="5dp"

android:justificationMode="in
ter_word"

android:textColor="@color/bla
ck"

android:textSize="16sp"

android:text="@string/tentang
_aplikasi" />
            </LinearLayout>

        </LinearLayout>
    </ScrollView>
</RelativeLayout>
```

KARTU MONITORING BIMBINGAN

MAHASISWA PROGRAM STUDI TEKNIK INFORMATIKA
FAKULTAS TEKNIK
UNIVERSITAS MUHAMMADIYAH PAREPARE

HASIL

Mahasiswa : MOHAMMAD RAJ FURQON	**Pembimbing I : Marlina, S.Kom.,M.Kom.**
NIM : 220280164	**Pembimbing II : Ir. Untung Suwardoyo, S.Kom.,MT.,IPP**
Judul Skripsi : APLIKASI BUDI DAYA IKAN LELE BERBASIS ANDROID	

ARAHAN PEMBIMBING I	HARI/TGL & PARAF PEMBIMBING	ARAHAN PEMBIMBING II	HARI/TGL & PARAF PEMBIMBING
Konsultasi 1		Konsultasi 1 - Kaplan - Sinkronkan dg pyslem gbr.	
Konsultasi 2		Konsultasi 2 Acc Lapab 1.	
Konsultasi 3		Konsultasi 3	
Konsultasi 4 Acc Ujian Hasil		Konsultasi 4	
Konsultasi 5 Kerjakan Revisi Penguji pd Saat Hasil		Konsultasi 5	

Lanjut ke halaman sebelah...

Perhatian :

1. Mahasiswa wajib konsultasi minimal 5 kali
2. Kartu ini wajib dibawa oleh mahasiswa disetiap konsultasi dan diisi oleh Pembimbing
3. Kartu ini wajib dilampirkan pada laporan skripsi dan menjadi salah satu persyaratan untuk ikut seminar proposal/ujian skripsi
4. Kartu ini dicetak di atas kertas karton berwarna hijau muda dan dicetak timbal balik

KARTU MONITORING BIMBINGAN

MAHASISWA PROGRAM STUDI TEKNIK INFORMATIKA
FAKULTAS TEKNIK
UNIVERSITAS MUHAMMADIYAH PAREPARE

SKRIPSI

Mahasiswa : MOHAMMAD RAJ FURQON	**Pembimbing I : Marlina, S.Kom.,M.Kom.**
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Judul Skripsi : APLIKASI BUDI DAYA IKAN LELE BERBASIS ANDROID	

ARAHAN PEMBIMBING I	HARI/TGL & PARAF PEMBIMBING	ARAHAN PEMBIMBING II	HARI/TGL & PARAF PEMBIMBING
Konsultasi 1		Konsultasi 1	
Konsultasi 2		Konsultasi 2	
Konsultasi 3		Konsultasi 3	
Konsultasi 4		Konsultasi 4	
Konsultasi 5		Konsultasi 5	

Lanjut ke halaman sebelah...

Perhatian :

1. Mahasiswa wajib konsultasi minimal 5 kali
2. Kartu ini wajib dibawa oleh mahasiswa disetiap konsultasi dan diisi oleh Pembimbing
3. Kartu ini wajib dilampirkan pada laporan skripsi dan menjadi salah satu persyaratan untuk ikut seminar proposal/ujian skripsi
4. Kartu ini dicetak di atas kertas karton berwarna hijau muda dan dicetak timbal balik

KARTU MONITORING BIMBINGAN

MAHASISWA PROGRAM STUDI TEKNIK INFORMATIKA
FAKULTAS TEKNIK
UNIVERSITAS MUHAMMADIYAH PAREPARE

SKRIPSI

Mahasiswa : MOHAMMAD RAJ FURQON	**Pembimbing I : Marlina, S.Kom.,M.Kom**
NIM : 220 280 164	**Pembimbing II : Ir. Untung Suwardoyo, S.Kom.,MT.,IPP**
Judul Skripsi : Aplikasi Budi Daya ikan lele Berbasis Android	

ARAHAN PEMBIMBING I	HARI/TGL & PARAF PEMBIMBING	ARAHAN PEMBIMBING II	HARI/TGL & PARAF PEMBIMBING
Konsultasi 1 - Bahasa Asing dicetak Miring - Tambahkan Teori yg terkait dengan		Konsultasi 1 Perbaiki Penulisan	
Konsultasi 2 budidaya ikan lele - Masukkan semua Apa ^ka saja yg digunakan U/ Membuat Aplikasi		Konsultasi 2 Perbaiki Paluran	
Konsultasi 3		Konsultasi 3 Va Cara dan tabel	
Konsultasi 4		Konsultasi 4 Layak pan I.	
Konsultasi 5 - Acc Ujian proposal		Konsultasi 5	

Lanjut ke halaman sebelah...

Lanjutan...