

LAMPIRAN



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

PROPOSAL

Mahasiswa : MISRA	Pembimbing I : Masnur, ST., M.Kom
NIM : 220 280 146	Pembimbing II : A. Wafiah S.Kom., M.Kom.
Judul Skripsi : APLIKASI KAMUS BAHASA LATIN UNTUK TUMBUHAN DAN HEWAN MENGGUNAKAN SUARA BERBASIS ANDROID	

ARAHAN PEMBIMBING I	HARI/TGL & PARAF PEMBIMBING	ARAHAN PEMBIMBING II	HARI/TGL & PARAF PEMBIMBING
Konsultasi 1		Konsultasi 1 Lengkapi Tujuan penelitian Format penulisan sesuai Pedoman	+
Konsultasi 2		Konsultasi 2 BAB II kajian Teori ~~sk~~ Sinkronkan dgn judul	+
Konsultasi 3		Konsultasi 3 Tambahkan 3 peneliti terdahulu yg terkait dgn judul	+
Konsultasi 4		Konsultasi 4 Rancangan Interface	+
Konsultasi 5		Konsultasi 5 Koreksi antara Bidang Studi Biologi dgn bhs Latin yg digunakan	+

Lanjut ke halaman sebelah...

Pernhatian:

1. Mahasiswa wajib konsultasi minimal 5 kali
2. Kartu ini wajib dibawa oleh mahasiswa disertai 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 <i>ACC Proposal</i>	<i>f</i>
Konsultasi 7		Konsultasi 7	
Konsultasi 8		Konsultasi 8	
Konsultasi 9		Konsultasi 9	
Konsultasi 10		Konsultasi 10	

Mengetahui
Ketua Program Studi

Marlina, S.Kom., M.Kom.
NBM. 1162 680

Parepare, ...

Mahasiswa

MISRA
NIM. 220 280 146

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SKRIPSI

Mahasiswa	: MISRA	Pembimbing I	: Masnur, ST., M.Kom
NIM	: 220280146	Pembimbing II	: Andi Wafiah, S.Kom., M.Kom
Judul Skripsi	: APLIKASI KAMUS BAHASA LATIN UNTUK TUMBUHAN DAN HEWAN MENGGUNAKAN SUARA BERBASIS ANDROID		

ARAHAN PEMBIMBING I	HARI/ TGL & PARAF PEMBIMBING	ARAHAN PEMBIMBING II	HARI/ TGL & PARAF PEMBIMBING
Konsultasi 1 - Buat kerangka sebagai uji kegunaan Aplikasi		Konsultasi 1 Lengkap proses per detail sistem	
Konsultasi 2 - Buat data dalam - bentuk excel.		Konsultasi 2 Lengkap data pd aplikasi	
Konsultasi 3 Acc. Ujian Hasil		Konsultasi 3 Perbaiki kesimpulan sesuai dgn hasil penelitian	
Konsultasi 4 Tabel data Hewan dan tumbuhan		Konsultasi 4 Lengkap proses Pembuatan database	
Konsultasi 5 Tabel Hasil uji.		Konsultasi 5 Acc. Ujian hasil	

Lanjut ke halaman sebelah.....

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Lanjutan.....

ARAHAN PEMBIMBING I	HARI/ TGL & PARAF PEMBIMBING	ARAHAN PEMBIMBING II	HARI/ TGL & PARAF PEMBIMBING
Konsultasi 6 - Daftar pustaka Menggu nakan Mendeley.		Konsultasi 6 Acc upon Tutup	4.
Konsultasi 7 - Acc tutup.		Konsultasi 7	
Konsultasi 8		Konsultasi 8	
Konsultasi 9		Konsultasi 9	
Konsultasi 10		Konsultasi 10	

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Parepare,.....

Mahasiswa

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NIM. 220280146

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KUISIONER APLIKASI BAHASA LATIN MENGGUNAKAN SUARA

Informasi Pengguna

- Usia: _____
- Jenis Kelamin: [] Laki-laki [] Perempuan
- Tingkat Pendidikan: _____

1. Seberapa mudah aplikasi ini digunakan?

- [] Sangat mudah
- [] Mudah
- [] Cukup sulit
- [] Sulit

2. Bagaimana pendapat Anda tentang fitur input suara?

- [] Sangat membantu
- [] Membantu
- [] Kurang membantu
- [] Tidak membantu sama sekali

3. Apakah hasil pencarian nama tumbuhan/hewan akurat?

- [] Sangat akurat
- [] Akurat
- [] Kurang akurat
- [] Tidak akurat

4. Seberapa puas Anda secara keseluruhan dengan aplikasi ini?

- [] Sangat puas
- [] Puas
- [] Cukup puas
- [] Tidak puas

5. Seberapa relevan hasil pencarian yang Anda dapatkan?

- [] Sangat relevan
- [] Relevan
- [] Kurang relevan
- [] Tidak relevan

6. Apakah fitur pencarian dua arah (Latin ke Indonesia dan sebaliknya) membantu Anda?

- ☐ Sangat membantu
- ☐ Membantu
- ☐ Kurang membantu
- ☐ Tidak membantu

7. Apakah aplikasi mengenali suara dengan baik dalam berbagai kondisi?

- ☐ Sangat baik
- ☐ Baik
- ☐ Cukup baik
- ☐ Buruk

8. Apakah pengucapan hasil suara terdengar alami dan jelas?

- ☐ Sangat jelas
- ☐ Jelas
- ☐ Kurang jelas
- ☐ Tidak jelas

9. Apakah gambar tumbuhan/hewan memberikan informasi yang cukup?

- ☐ Sangat cukup
- ☐ Cukup
- ☐ Kurang
- ☐ Tidak cukup

10. Apakah desain aplikasi menarik dan nyaman digunakan?

- ☐ Sangat menarik
- ☐ Menarik
- ☐ Kurang menarik
- ☐ Tidak menarik

Semoga kuesioner ini lebih terstruktur dan memudahkan pengguna dalam memberikan masukan yang bermanfaat!

😊 TERIMA KASIH 😊

1. SplashActivity

```
package com.example.kamus;

import android.content.Intent;
import android.os.Bundle;
import android.os.Handler;
import androidx.appcompat.app.AppCompatActivity;

public class SplashActivity extends AppCompatActivity {

    private static final int
    SPLASH_DISPLAY_LENGTH =
    2000; // Durasi splash screen dalam
    milidetik

    @Override
    protected void onCreate(Bundle
    savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_sp
        lash);

        new Handler().postDelayed(() -
        > {
            // Intent untuk berpindah ke
            MainActivity
            Intent mainIntent = new
            Intent(SplashActivity.this,
            AwalActivity.class);
            startActivity(mainIntent);
            finish(); // Menutup
            SplashActivity agar tidak bisa
            kembali ke layar splash
        },
        SPLASH_DISPLAY_LENGTH);
    }
}
```

2. AwalActivity

```
package com.exaple.kamus;

import
android.annotation.SuppressLint;
import android.content.Intent;
import android.os.Bundle;
import android.widget.Button;

import
androidx.appcompat.app.AppCom
patActivity;

public class AwalActivity extends
AppCompatActivity {
    Button btnMulai, btnKeluar;

    @SuppressWarnings("MissingInflatedI
    d")
    @Override
    protected void onCreate(Bundle
    savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity
        _awal);

        btnMulai =
        findViewById(R.id.btnMulai);
        btnKeluar =
        findViewById(R.id.btnKeluar);

        btnMulai.setOnClickListener(v ->
        {
            Intent intent = new
            Intent(this, MainActivity.class);
            startActivity(intent);
        });
        btnKeluar.setOnClickListener(v -
```

```

> {
    // Buat AlertDialog
    new
    androidx.appcompat.app.AlertDia
    log.Builder(this)
        .setTitle("Konfirmasi
    Keluar")
        .setMessage("Apakah
    Anda yakin ingin keluar?")

    .setPositiveButton("Ya", (dialog,
    which) -> {
        // Jika pengguna
    memilih "Ya", keluar dari aplikasi
        finish();
        System.exit(0);
    })

    .setNegativeButton("Tidak",
    (dialog, which) -> {
        // Jika pengguna
    memilih "Tidak", tutup dialog
        dialog.dismiss();
    })
    .show();
    });
}
}

```

3. MainActivity

```

package com.example.kamus;

import
    androidx.appcompat.app.AppCo
    mpatActivity;
import
    androidx.appcompat.widget.Too
    lbar;

import
    android.annotation.SuppressLint
    ;

```

```

import android.content.Intent;
import android.os.Bundle;
import android.view.MenuItem;
import android.widget.Button;

import
    com.example.kamus.Model.Kam
    us.tentang_aplikasi;

public class MainActivity
    extends AppCompatActivity {
    Button btnPengenalan,
    btnKamusHewan,
    btnKamusTumbuhan,
    btnPencarian, btnTP;

    @SuppressWarnings("MissingInflated
    Id")
    @Override
    protected void
    onCreate(Bundle
    savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activit
        y_main);

        // Setup toolbar
        Toolbar toolbar =
        findViewById(R.id.toolbar);

        setSupportActionBar(toolbar);
        if (getSupportActionBar()
        != null) {

            getSupportActionBar().setDispla
            yHomeAsUpEnabled(true);

            getSupportActionBar().setDispla
            yShowHomeEnabled(true);

            getSupportActionBar().setTitle("
            Menu Utama");
        }
    }
}

```

```

    }

    btnPengenal =
    findViewById(R.id.btnPengenal
an);
    btnKamusHewan =
    findViewById(R.id.btnKamushe
wan);
    btnKamusTumbuhan =
    findViewById(R.id.btnKamustu
mbuhan);
    btnTP =
    findViewById(R.id.btnTP);

    btnPengenal.setOnClickListener(v -> {
        Intent intent = new
        Intent(this,
        PengenalActivity.class);
        startActivity(intent);
    });

    btnKamusHewan.setOnClickListener(v -> {
        Intent intent = new
        Intent(this,
        KamusDataActivity.class);

        intent.putExtra("extraData",
        "Hewan");
        startActivity(intent);
    });

    btnKamusTumbuhan.setOnClickListener(v -> {
        Intent intent = new
        Intent(this,
        KamusDataActivity.class);

        intent.putExtra("extraData",
        "Tumbuhan");
        startActivity(intent);
    });

```

```

    });

    btnTP.setOnClickListener(v -> {
        Intent intent = new
        Intent(this,
        tentang_aplikasi.class);
        startActivity(intent);
    });

    }

    // Menambahkan tombol back
    @Override
    public boolean
    onOptionsItemSelected(MenuIte
m item) {
        if (item.getItemId() ==
        android.R.id.home) {
            finish(); // Kembali ke
            activity sebelumnya saat tombol
            back diklik
            return true;
        }
        return
        super.onOptionsItemSelected(ite
m);
    }
}

```

4. PengenalActivity

```

package com.example.kamus;

import
androidx.appcompat.app.AppCo
mpatActivity;

import
android.annotation.SuppressLint;
import android.content.Intent;
import android.os.Bundle;
import
android.text.SpannableString;
import android.text.Spanned;
import

```

```

android.text.style.StyleSpan;
import android.view.MenuItem;
import android.widget.Button;
import android.widget.TextView;

import
androidx.appcompat.widget.Tool
bar;

```

```

public class PengenalanActivity
extends AppCompatActivity {
    Button btnDefinisi, btnKembali;

```

```

    @SuppressWarnings("MissingInflated
Id")
    @Override
    protected void onCreate(Bundle
savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity
_pengenalan);

```

```

        Toolbar toolbar =
        findViewById(R.id.toolbar);
        setSupportActionBar(toolbar);
        if (getSupportActionBar() !=
        null) {
            getSupportActionBar().setDisplay
            HomeAsUpEnabled(true);
            getSupportActionBar().setDisplay
            ShowHomeEnabled(true);
            getSupportActionBar().setTitle("
            Bahasa Latin");
        }

```

```

        TextView tvAppInfo =
        findViewById(R.id.tv_app_info);

```

```

        // Ambil string dari resource
        String appDefinisi =
        getString(R.string.app_definisi);
        String appVersion =
        getString(R.string.app_version);
        String appDescription =

```

```

        getString(R.string.app_descriptio
n);
        String appDeveloper =
        getString(R.string.app_developer
);
        String appContact =
        getString(R.string.app_contact);

```

```

        // Format string dengan
        parameter
        String appInfo =
        String.format(getString(R.string.
app_info), appDefinisi,
        appVersion, appDescription,
        appDeveloper, appContact);

```

```

        // Membuat appName menjadi
        bold
        SpannableString spannableInfo =
        new SpannableString(appInfo);
        int start =
        appInfo.indexOf(appDefinisi);
        int end = start +
        appDefinisi.length();
        spannableInfo.setSpan(new
        StyleSpan(android.graphics.Type
        face.BOLD), start, end,
        Spanned.SPAN_EXCLUSIVE_E
        XCLUSIVE);

```

```

        // Bold untuk appDeveloper
        int startAppDeveloper =
        appInfo.indexOf(appDeveloper);
        int endAppDeveloper =
        startAppDeveloper +
        appDeveloper.length();
        spannableInfo.setSpan(new
        StyleSpan(android.graphics.Type
        face.BOLD), startAppDeveloper,
        endAppDeveloper,
        Spanned.SPAN_EXCLUSIVE_E
        XCLUSIVE);

```

```

        tvAppInfo.setText(spannableInfo
); // Mengatur teks info aplikasi
    }

```

```

@Override
public boolean
onOptionsItemSelected(MenuItem
item) {
    if (item.getItemId() ==
        android.R.id.home) {
        finish(); // Menutup activity saat
        tombol kembali di toolbar diklik
        return true;
    }
    return
        super.onOptionsItemSelected(item);
}
}

```

5. **KamusDataActivity**

```

package com.example.kamus;

import android.Manifest;
import
    android.content.ActivityNotFoundException;
import android.content.Intent;
import
    android.content.pm.PackageManager;
;
import android.os.Bundle;
import
    android.speech.RecognizerIntent;
import android.util.Log;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

import
    androidx.appcompat.app.AppCompatActivity;
import
    androidx.appcompat.widget.Toolbar;
import

```

```

    androidx.core.app.ActivityCompat;
import
    androidx.core.content.ContextCompat;
;
import
    androidx.recyclerview.widget.Linear
    LayoutManager;
import
    androidx.recyclerview.widget.RecyclerView;

import
    com.example.kamus.Adapter.Adapter
    rDataKamus;
import
    com.example.kamus.Api.ApiClient;
import
    com.example.kamus.Api.ApiInterfac
    e;
import
    com.example.kamus.Model.Kamus.
    GetKamus;
import
    com.example.kamus.Model.Kamus.
    Kamus;

import java.util.ArrayList;
import java.util.List;

import retrofit2.Call;
import retrofit2.Callback;
import retrofit2.Response;

public class KamusDataActivity
    extends AppCompatActivity {

    ApiInterface mApiInterface;
    private RecyclerView
    mRecyclerView;
    private RecyclerView.Adapter
    mAdapter;
    private
    RecyclerView.LayoutManager
    mLayoutManager;
    public static KamusDataActivity
    ma;

```

```

        private String receivedData;
        private EditText etSearch; //
        Deklarasi EditText
        private Button btnSearch,
        btnVoiceSearch; // Deklarasi Button
        private List<Kamus> kamusList; //
        Daftar kamus
        private TextView tvNoData;

        @Override
        protected void onCreate(Bundle
        savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_ka
        mus_data);
        mRecyclerView =
        findViewById(R.id.rv_heros);
        mLayoutManager = new
        LinearLayoutManager(this);

        mRecyclerView.setLayoutManager(
        mLayoutManager);
        mApiInterface =
        ApiClient.getClient().create(ApiInter
        face.class);
        ma = this;

        Toolbar toolbar =
        findViewById(R.id.toolbar);
        setSupportActionBar(toolbar);
        if (getSupportActionBar() !=
        null) {

        getSupportActionBar().setDisplayHo
        meAsUpEnabled(true);

        getSupportActionBar().setDisplaySh
        owHomeEnabled(true);

        getSupportActionBar().setTitle("Ka
        mus Latin");
        }

        // Menerima data dari Intent

```

```

        Intent intent = getIntent();
        receivedData =
        intent.getStringExtra("extraData");

        // Inisialisasi elemen UI
        etSearch =
        findViewById(R.id.et_search);
        btnSearch =
        findViewById(R.id.btn_search);
        btnVoiceSearch =
        findViewById(R.id.btn_voice_search
        );
        tvNoData =
        findViewById(R.id.tv_no_data);

        // Mengatur click listener untuk
        tombol terjemah
        btnSearch.setOnClickListener(v
        -> {
            String query =
            etSearch.getText().toString();
            searchKamus(query);
        });

        // Mengatur click listener untuk
        pencarian suara
        btnVoiceSearch.setOnClickListener(
        v ->
        startVoiceRecognitionActivity());

        refresh(receivedData);

        // Cek izin untuk merekam
        audio
        if
        (ContextCompat.checkSelfPermission(
        this,
        Manifest.permission.RECORD_AU
        DIO)
        !=
        PackageManager.PERMISSION_GR
        ANTED) {

        ActivityCompat.requestPermissions(t
        his,

```

```

        new
String[] {Manifest.permission.RECO
RD_AUDIO}, 1);
    }
}

    public void refresh(String
kategori) {
        Call<GetKamus> HerosCall =
mApiInterface.getHeros();
        HerosCall.enqueue(new
Callback<GetKamus>() {
            @Override
            public void
onResponse(Call<GetKamus> call,
Response<GetKamus> response) {
                if (response.body() != null)
{
                    // Atur kamusList di sini
                    kamusList =
response.body().getListDataHeros();
// Simpan daftar kamus
                    List<Kamus>
filteredList = new ArrayList<>();

                    if (receivedData == null
|| receivedData.isEmpty()) {
                        // Jika receivedData
kosong, tampilkan semua data
                        filteredList =
kamusList;
                    } else {
                        // Filter data
berdasarkan kategori yang diterima
                        for (Kamus kamus :
kamusList) {
                            if
(kamus.getKategori().equals(receive
dData)) {

                                filteredList.add(kamus);
                            }
                        }
                    }

                    Log.d("Retrofit Get",

```

```

"Jumlah data Heros: " +
filteredList.size());
                    mAdapter = new
AdapterDataKamus(filteredList);

mRecyclerView.setAdapter(mAdapt
er);
                }
            }

            @Override
            public void
onFailure(Call<GetKamus> call,
Throwable t) {
                Log.e("Retrofit Get",
t.toString());
            }
        });
    }

    private void searchKamus(String
query) {
        List<Kamus> filteredList = new
ArrayList<>();
        for (Kamus kamus : kamusList)
        {
            // Mencari nama atau ilmiah
yang sesuai dengan query
            if
(kamus.getName().toLowerCase().eq
uals(query.toLowerCase()) ||

kamus.getIlmiah().toLowerCase().eq
uals(query.toLowerCase())) {
                filteredList.add(kamus);
            }
        }

        mAdapter = new
AdapterDataKamus(filteredList);

mRecyclerView.setAdapter(mAdapt
er);
        // Tampilkan atau sembunyikan
TextView berdasarkan hasil
pencarian
        if (filteredList.isEmpty()) {

```

```

tvNoData.setVisibility(View.VISIBLE); // Tampilkan pesan "Data tidak
ditemukan"
    } else {

tvNoData.setVisibility(View.GONE)
; // Sembunyikan pesan
    }

}

private void
startVoiceRecognitionActivity() {
    Intent intent = new
    Intent(RecognizerIntent.ACTION_R
    ECOGNIZE_SPEECH);

    intent.putExtra(RecognizerIntent.EX
    TRA_LANGUAGE_MODEL,
    RecognizerIntent.LANGUAGE_MO
    DEL_FREE_FORM);

    intent.putExtra(RecognizerIntent.EX
    TRA_LANGUAGE, "id-ID");
    try {
        startActivityForResult(intent,
        100);
    } catch
    (ActivityNotFoundException a) {
        Log.e("Voice Recognition",
        "Voice recognition activity not
        found");
    }
}

@Override
protected void
onActivityResult(int requestCode, int
resultCode, Intent data) {

super.onActivityResult(requestCode,
resultCode, data);
    if (requestCode == 100 &&
    resultCode == RESULT_OK) {
        ArrayList<String> results =

data.getStringArrayListExtra(Recogn
izerIntent.EXTRA_RESULTS);
        if (results != null &&
!results.isEmpty()) {
            String query =
            results.get(0);
            etSearch.setText(query);
            searchKamus(query); //
            Lakukan pencarian menggunakan
            hasil suara
        }
    }

@Override
public void
onRequestPermissionsResult(int
requestCode, String[] permissions,
int[] grantResults) {

super.onRequestPermissionsResult(r
equestCode, permissions,
grantResults);
    if (requestCode == 1) {
        if (grantResults.length > 0
        && grantResults[0] ==
        PackageManager.PERMISSION_GR
        ANTED) {
            // Izin diberikan
        } else {
            // Izin ditolak
            Toast.makeText(this, "Izin
            untuk merekam audio ditolak",
            Toast.LENGTH_SHORT).show();
        }
    }

@Override
public boolean
onOptionsItemSelected(MenuItem
item) {
    switch (item.getItemId()) {
        case android.R.id.home:
            // Menutup activity saat
            tombol kembali diklik

```

```

        finish();
        return true;
    default:
        return
super.onOptionsItemSelected(item);
    }
}
}

```

6. **KamusDetailActivity**

```
package com.example.kamus;
```

```

import android.content.Intent;
import android.os.Bundle;
import android.view.MenuItem;
import android.widget.ImageView;
import android.widget.TextView;

```

```

import
androidx.appcompat.app.AppCompatActivity;
import
androidx.appcompat.widget.Toolbar;

```

```

import com.bumptech.glide.Glide;
import
com.bumptech.glide.request.RequestOptions;
import
com.example.kamus.Api.ApiClient;
import
com.example.kamus.Api.ApiInterface;

```

```

public class KamusDetailActivity
extends AppCompatActivity {

```

```

    TextView edtName,
    edtIlmiah, edtKategori, edtDeskripsi;
    ImageView imgHolder;
    String ID;
    ApiInterface mApiInterface;

```

```

    @Override
    protected void onCreate(Bundle

```

```

savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity_kamus_detail);

```

```

        Toolbar toolbar =
findViewById(R.id.toolbar);
        setSupportActionBar(toolbar);
        if (getSupportActionBar() !=
null) {

```

```

getSupportActionBar().setDisplayHomeAsUpEnabled(true);

```

```

getSupportActionBar().setDisplayHomeAsUpEnabled(true);

```

```

getSupportActionBar().setTitle("Kamus Deskripsi");
        }

```

```

        // Identifikasi Komponen Form
        edtName = (TextView)
findViewById(R.id.edt_name);
        edtIlmiah = (TextView)
findViewById(R.id.edt_ilmiah);
        edtKategori = (TextView)
findViewById(R.id.edt_kategori);
        edtDeskripsi = (TextView)
findViewById(R.id.edt_deskripsi);
        imgHolder = (ImageView)
findViewById(R.id.imgHolder);

```

```

        // Identifikasi intent ke
        Komponen Form
        Intent mIntent = getIntent();
        ID =
mIntent.getStringExtra("Id");

```

```

        edtName.setText(mIntent.getStringExtra("Name"));

```

```

edtIlmiah.setText(mIntent.getStringExtra("Ilmiah"));

edtKategori.setText(mIntent.getStringExtra("Kategori"));

edtDeskripsi.setText(mIntent.getStringExtra("Deskripsi"));

// Masukan Gambar Ke Image
View Gunakan Glide

Glide.with(KamusDetailActivity.this
)

.load(Config.IMAGES_URL +
mIntent.getStringExtra("Image"))
    .apply(new
RequestOptions().override(800,
800))
    .into(imgHolder);

// Definisi API
mApiInterface =
ApiClient.getClient().create(ApiInter
face.class);
}

@Override
public boolean
onOptionsItemSelected(MenuItem
item) {
    if (item.getItemId() ==
android.R.id.home) {
        finish(); // Menutup activity
saat tombol kembali di toolbar diklik
        return true;
    }
    return
super.onOptionsItemSelected(item);
}
}

```

7. SuaraActivity

```

package com.example.kamus;

import
android.annotation.SuppressLint;
import android.content.Intent;
import android.os.Bundle;
import
android.speech.RecognizerIntent;
import android.util.Log;
import android.view.MenuItem;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

import
androidx.appcompat.app.AppCompatActivity;
import
androidx.appcompat.widget.Toolbar;
import
androidx.recyclerview.widget.Linear
LayoutManager;
import
androidx.recyclerview.widget.Recycl
erView;
import
com.example.kamus.Adapter.Adapter
DataKamus;
import
com.example.kamus.Api.ApiClient;
import
com.example.kamus.Api.ApiInterfac
e;
import
com.example.kamus.Model.Kamus.
GetKamus;
import
com.example.kamus.Model.Kamus.
Kamus;
import java.util.ArrayList;
import java.util.List;
import retrofit2.Call;
import retrofit2.Callback;
import retrofit2.Response;

```

```

public class SuaraActivity extends
AppCompatActivity {

    private static final int
REQUEST_CODE_SPEECH_INPU
T = 100;
    ApiInterface mApiInterface;
    private RecyclerView
mRecyclerView;
    private AdapterDataKamus
mAdapter;
    private
RecyclerView.LayoutManager
mLayoutManager;
    private EditText searchEditText;
    private Button searchButton,
voiceSearchButton; // Tombol untuk
pencarian suara
    private TextView
searchTimeTextView; // Untuk
menampilkan pesan "Data Tidak
Ditemukan"
    public static SuaraActivity ma;

    @SuppressWarnings("MissingInflatedId")
    @Override
    protected void onCreate(Bundle
savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_su
ara);

        mRecyclerView =
findViewById(R.id.rv_heros);
        searchEditText =
findViewById(R.id.et_search);
        searchButton =
findViewById(R.id.btn_search);
        voiceSearchButton =
findViewById(R.id.btn_voice_search
); // Tombol baru untuk pencarian
suara
        searchTimeTextView =

```

```

findViewById(R.id.tv_search_time);
// Untuk menampilkan pesan "Data
Tidak Ditemukan"

        mLayoutManager = new
LinearLayoutManager(this);

        mRecyclerView.setLayoutManager(
mLayoutManager);
        mApiInterface =
ApiClient.getClient().create(ApiInter
face.class);
        ma = this;

        Toolbar toolbar =
findViewById(R.id.toolbar);
        setSupportActionBar(toolbar);
        if (getSupportActionBar() !=
null) {

            getSupportActionBar().setDisplayHo
meAsUpEnabled(true);

            getSupportActionBar().setDisplaySh
owHomeEnabled(true);

            getSupportActionBar().setTitle("Ka
mus Hewan dan Tumbuhan");
        }

        refresh();

        searchButton.setOnClickListener(vie
w -> {
            String query =
searchEditText.getText().toString();
            filter(query);
        });

        voiceSearchButton.setOnClickListen
er(view -> startVoiceInput());
    }

    private void startVoiceInput() {

```

```

        Intent intent = new
        Intent(RecognizerIntent.ACTION_R
        ECOGNIZE_SPEECH);

        intent.putExtra(RecognizerIntent.EX
        TRA_LANGUAGE_MODEL,
        RecognizerIntent.LANGUAGE_MO
        DEL_FREE_FORM);

        intent.putExtra(RecognizerIntent.EX
        TRA_LANGUAGE, "id-ID");

        intent.putExtra(RecognizerIntent.EX
        TRA_PROMPT, "Bicaralah
        sekarang...");
        try {
            startActivityForResult(intent,
            REQUEST_CODE_SPEECH_INPU
            T);
        } catch (Exception e) {
            Toast.makeText(this,
            "Perangkat Anda tidak mendukung
            input suara",
            Toast.LENGTH_SHORT).show();
        }
    }

    @Override
    protected void
    onActivityResult(int requestCode, int
    resultCode, Intent data) {

        super.onActivityResult(requestCode,
        resultCode, data);
        if (requestCode ==
        REQUEST_CODE_SPEECH_INPU
        T && resultCode == RESULT_OK
        && data != null) {
            ArrayList<String> result =
            data.getStringArrayListExtra(Recogn
            izerIntent.EXTRA_RESULTS);
            if (result != null &&
            result.size() > 0) {
                String spokenText =
                result.get(0);

```

```

        searchText.setText(spokenText);
        // Menampilkan hasil suara ke
        EditText
            filter(spokenText); //
        Melakukan pencarian berdasarkan
        hasil suara
        }
    }

    public void refresh() {
        Call<GetKamus> HerosCall =
        mApiInterface.getHeros();
        HerosCall.enqueue(new
        Callback<GetKamus>() {
            @Override
            public void
            onResponse(Call<GetKamus> call,
            Response<GetKamus> response) {
                if (response.body() != null)
                {
                    List<Kamus> HerosList
                    =
                    response.body().getListDataHeros();
                    Log.d("Retrofit Get",
                    "Jumlah data Heros: " +
                    HerosList.size());
                    mAdapter = new
                    AdapterDataKamus(HerosList);

                    mRecyclerView.setAdapter(mAdapt
                    er);
                }
            }

            @Override
            public void
            onFailure(Call<GetKamus> call,
            Throwable t) {
                Log.e("Retrofit Get",
                t.toString());
            }
        });
    }

    private void filter(String query) {

```

```

        if (mAdapter != null) {
            mAdapter.filter(query);

            // Tampilkan pesan "Data
            Tidak Ditemukan" jika hasil kosong
            if (mAdapter.getItemCount()
            == 0) {

                searchTimeTextView.setText("Data
                Tidak Ditemukan");
            } else {

                searchTimeTextView.setText(""); //
                Hapus pesan jika ada data
            }
        }

        @Override
        public boolean
        onOptionsItemSelected(MenuItem
        item) {
            if (item.getItemId() ==
            android.R.id.home) {
                finish();
                return true;
            }
            return
            super.onOptionsItemSelected(item);
        }
    }

```

8. MainActivity

```

package com.example.kamus;

import
androidx.appcompat.app.AppCompatActivity;
import
androidx.appcompat.widget.Toolbar;

import
android.annotation.SuppressLint;
import android.content.Intent;
import android.os.Bundle;
import android.view.MenuItem;

```

```

import android.widget.Button;

import
com.example.kamus.Model.Kamus.t
entang_aplikasi;

public class MainActivity extends
AppCompatActivity {
    Button btnPengenalan,
    btnKamusHewan,
    btnKamusTumbuhan, btnPencarian,
    btnTP;

    @SuppressWarnings("MissingInflatedId")
    @Override
    protected void onCreate(Bundle
    savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_m
        ain);

        // Setup toolbar
        Toolbar toolbar =
        findViewById(R.id.toolbar);
        setSupportActionBar(toolbar);
        if (getSupportActionBar() !=
        null) {

            getSupportActionBar().setDisplayHo
            meAsUpEnabled(true);

            getSupportActionBar().setDisplaySh
            owHomeEnabled(true);

            getSupportActionBar().setTitle("Men
            u Utama");
        }

        btnPengenalan =
        findViewById(R.id.btnPengenalan);
        btnKamusHewan =
        findViewById(R.id.btnKamushewan
        );
    }

```

```

        btnKamusTumbuhan =
findViewById(R.id.btnKamustumbu
han);
        btnTP =
findViewById(R.id.btnTP);

```

```

btnPengenalan.setOnClickListener(v
-> {
    Intent intent = new
Intent(this,
PengenalanActivity.class);
    startActivity(intent);
});

```

```

btnKamusHewan.setOnClickListener
(v -> {
    Intent intent = new
Intent(this,
KamusDataActivity.class);
    intent.putExtra("extraData",
"Hewan");
    startActivity(intent);
});

```

```

btnKamusTumbuhan.setOnClickListener
(v -> {
    Intent intent = new
Intent(this,
KamusDataActivity.class);
    intent.putExtra("extraData",
"Tumbuhan");
    startActivity(intent);
});

```

```

        btnTP.setOnClickListener(v ->
{
    Intent intent = new
Intent(this, tentang_aplikasi.class);
    startActivity(intent);
});
}

```

```

// Menambahkan tombol back
@Override
public boolean
onOptionsItemSelected(MenuItem
item) {
    if (item.getItemId() ==
android.R.id.home) {
        finish(); // Kembali ke
activity sebelumnya saat tombol back
diklik
        return true;
    }
    return
super.onOptionsItemSelected(item);
}

```

9. Convig

```

package com.example.kamus;

import
androidx.appcompat.app.AppCompatActivity;
import
androidx.appcompat.widget.Toolbar;

```

```

import
android.annotation.SuppressLint;
import android.content.Intent;
import android.os.Bundle;
import android.view.MenuItem;
import android.widget.Button;

```

```

import
com.example.kamus.Model.Kamus.t
entang_aplikasi;

```

```

public class MainActivity extends
AppCompatActivity {
    Button btnPengenalan,
btnKamusHewan,
btnKamusTumbuhan, btnPencarian,
btnTP;

```

```

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

super.onCreate(savedInstanceState);

setContentView(R.layout.activity_m
ain);

// Setup toolbar
Toolbar toolbar =
findViewById(R.id.toolbar);
supportActionBar(toolbar);
if (supportActionBar() !=
null) {

supportActionBar().setDisplayHo
meAsUpEnabled(true);

supportActionBar().setDisplaySh
owHomeEnabled(true);

supportActionBar().setTitle("Men
u Utama");
}

btnPengenalan =
findViewById(R.id.btnPengenalan);
btnKamusHewan =
findViewById(R.id.btnKamushewan
);
btnKamusTumbuhan =
findViewById(R.id.btnKamustumbu
han);
btnTP =
findViewById(R.id.btnTP);

btnPengenalan.setOnClickListener(v
-> {
    Intent intent = new
Intent(this,
PengenalanActivity.class);
startActivity(intent);

```

```

});

btnKamusHewan.setOnClickListener
(v -> {
    Intent intent = new
Intent(this,
KamusDataActivity.class);
intent.putExtra("extraData",
"Hewan");
startActivity(intent);
});

btnKamusTumbuhan.setOnClickListener
(v -> {
    Intent intent = new
Intent(this,
KamusDataActivity.class);
intent.putExtra("extraData",
"Tumbuhan");
startActivity(intent);
});

btnTP.setOnClickListener(v ->
{
    Intent intent = new
Intent(this, tentang_aplikasi.class);
startActivity(intent);
});

// Menambahkan tombol back
@Override
public boolean
onOptionsItemSelected(MenuItem
item) {
    if (item.getItemId() ==
android.R.id.home) {
        finish(); // Kembali ke
activity sebelumnya saat tombol back
diklik
        return true;
    }
    return

```

```

        super.onOptionsItemSelected(item);
    }
}

```

10. AdapterDataKamus

```

package com.example.kamus;

```

```

import android.content.Intent;
import android.os.Bundle;
import android.view.MenuItem;
import android.widget.ImageView;
import android.widget.TextView;

```

```

import
androidx.appcompat.app.AppCompatActivity;
import
androidx.appcompat.widget.Toolbar;

```

```

import com.bumptech.glide.Glide;
import
com.bumptech.glide.request.RequestOptions;
import
com.example.kamus.Api.ApiClient;
import
com.example.kamus.Api.ApiInterface;

```

```

public class KamusDetailActivity
extends AppCompatActivity {

```

```

    TextView edtName,
    edtIlmiah, edtKategori, edtDeskripsi;
    ImageView imgHolder;
    String ID;
    ApiInterface mApiInterface;

```

```

    @Override
    protected void onCreate(Bundle
savedInstanceState) {

```

```

        super.onCreate(savedInstanceState);

```

```

        setContentView(R.layout.activity_kamus_detail);

```

```

        Toolbar toolbar =
findViewById(R.id.toolbar);
        setSupportActionBar(toolbar);
        if (getSupportActionBar() !=
null) {

```

```

            getSupportActionBar().setDisplayHomeAsUpEnabled(true);

```

```

            getSupportActionBar().setDisplayHomeAsUpEnabled(true);

```

```

            getSupportActionBar().setTitle("Kamus Deskripsi");
        }

```

```

        // Identifikasi Komponen Form
        edtName = (TextView)
findViewById(R.id.edt_name);
        edtIlmiah = (TextView)
findViewById(R.id.edt_ilmiah);
        edtKategori = (TextView)
findViewById(R.id.edt_kategori);
        edtDeskripsi = (TextView)
findViewById(R.id.edt_deskripsi);
        imgHolder = (ImageView)
findViewById(R.id.imgHolder);

```

```

        // Identifikasi intent ke
        Komponen Form
        Intent mIntent = getIntent();
        ID =
mIntent.getStringExtra("Id");

```

```

        edtName.setText(mIntent.getStringExtra("Name"));

```

```

        edtIlmiah.setText(mIntent.getStringExtra("Ilmiah"));

```

```

        edtKategori.setText(mIntent.getStringExtra("Kategori"));

```

```

edtDeskripsi.setText(mIntent.getStringExtra("Deskripsi"));

        // Masukan Gambar Ke Image
        View Gunakan Glide

Glide.with(KamusDetailActivity.this
)

.load(Config.IMAGES_URL +
mIntent.getStringExtra("Image"))
        .apply(new
RequestOptions().override(800,
800))
        .into(imgHolder);

        // Definisi API
        mApiInterface =
ApiClient.getClient().create(ApiInter
face.class);
    }

    @Override
    public boolean
onOptionsItemSelected(MenuItem
item) {
        if (item.getItemId() ==
android.R.id.home) {
            finish(); // Menutup activity
            saat tombol kembali di toolbar diklik
            return true;
        }
        return
super.onOptionsItemSelected(item);
    }
}

```

11. ApiClient

```

package com.example.kamus.Api;

import com.example.kamus.Config;

import retrofit2.Retrofit;
import
retrofit2.converter.gson.GsonConvert

```

```

erFactory;

```

```

public class ApiClient {
    private static final String
BASE_URL = Config.BASE_URL;

    private static Retrofit retrofit;

    public static Retrofit getClient(){
        if(retrofit == null){
            retrofit = new
Retrofit.Builder()
                .baseUrl(BASE_URL)

.addConverterFactory(GsonConverte
rFactory.create())
                .build();
        }

        return retrofit;
    }
}

```

12. ApiInterface

```

package com.example.kamus.Api;

import
com.example.kamus.Model.Kamus.
GetKamus;

import retrofit2.Call;
import retrofit2.http.GET;

public interface ApiInterface {
    @GET("kamus.php")
    Call<GetKamus> getHeros();
}

```

13. ExampleInstrumentedTex

```

package com.example.kamus;

import android.content.Context;

import
androidx.test.platform.app.Instrumen
tationRegistry;

```

```

import
androidx.test.ext.junit.runners.AndroidJUnit4;

import org.junit.Test;
import org.junit.runner.RunWith;

import static org.junit.Assert.*;

/**
 * Instrumented test, which will
 * execute on an Android device.
 *
 * @see <a
 * href="http://d.android.com/tools/testing">Testing documentation</a>
 */
@RunWith(AndroidJUnit4.class)
public class
ExampleInstrumentedTest {
    @Test
    public void useAppContext() {
        // Context of the app under test.
        Context appContext =
        InstrumentationRegistry.getInstrumentation().getTargetContext();

        assertEquals("com.example.kamus",
        appContext.getPackageName());
    }
}

```

14. ExampleUnitTex

```

package com.example.kamus;

import org.junit.Test;

import static org.junit.Assert.*;

/**
 * Example local unit test, which will
 * execute on the development machine
 * (host).
 *
 * @see <a
 * href="http://d.android.com/tools/testing">Testing documentation</a>
 */

```

```

ng">Testing documentation</a>
*/
public class ExampleUnitTest {
    @Test
    public void addition_isCorrect() {
        assertEquals(4, 2 + 2);
    }
}

```

15. Activity Splash.xml

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"

    android:layout_width="match_parent"
    "

    android:layout_height="match_parent"
    "

    android:background="@drawable/wallpaper">

    <TextView

    android:layout_width="wrap_content"
    "

    android:layout_height="wrap_content"
    "

    android:layout_centerHorizontal="true"
    "

    android:layout_marginTop="350dp"
    android:text="Memuat..."
    android:textStyle="bold"
    android:textSize="14sp"

    android:textColor="@android:color/black"/>

```

</RelativeLayout>

16. Activity Awal.xml

```
<?xml version="1.0" encoding="utf-8"?>
```

```
<androidx.coordinatorlayout.widget.CoordinatorLayout
```

```
xmlns:android="http://schemas.android.com/apk/res/android"
```

```
xmlns:app="http://schemas.android.com/apk/res-auto"
```

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

```
android:layout_width="match_parent"
```

```
android:layout_height="match_parent"
```

```
tools:context=".AwalActivity">
```

```
<LinearLayout
```

```
android:layout_width="match_parent"
```

```
android:layout_height="match_parent"
```

```
android:orientation="vertical"
android:gravity="center"
```

```
android:background="@drawable/background"
```

```
app:layout_behavior="@string/appbar_scrolling_view_behavior">
```

```
<ImageView
    android:id="@+id/profil"
```

```
android:layout_width="300dp"
```

```
android:layout_height="280dp"
```

```
android:layout_centerHorizontal="true"
```

```
android:background="@drawable/logo" />
```

```
<Button
    android:id="@+id/btnMulai"
```

```
android:layout_width="200dp"
```

```
android:layout_height="wrap_content"
```

```
android:layout_marginBottom="20dp"
```

```
android:backgroundTint="@color/colorklat"
```

```
android:textColor="@color/Black"
    android:text="Mulai" />
```

```
<Button
    android:id="@+id/btnKeluar"
```

```
android:layout_width="200dp"
```

```
android:layout_height="wrap_content"
```

```
android:backgroundTint="@color/colorklat"
```

```
    android:text="Keluar"
```

```
android:textColor="@color/Black" />
```

```
</LinearLayout>
```

```
</androidx.coordinatorlayout.widget.CoordinatorLayout>
```

17. Activity Definisi.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.coordinatorlayout.widget.CoordinatorLayout
xmlns:android="http://schemas.android.com/apk/res/android"

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

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

android:layout_width="match_parent"

android:layout_height="match_parent"

tools:context=".DefinisiActivity">

<com.google.android.material.appbar.AppBarLayout

android:layout_width="match_parent"

android:layout_height="wrap_content"

android:theme="@style/ThemeOverlay.AppCompat.Dark.ActionBar">

<androidx.appcompat.widget.Toolbar

android:id="@+id/toolbar"

android:layout_width="match_parent"

android:layout_height="?attr/actionBarSize"
```

```
android:background="@color/coklat"

app:popupTheme="@style/ThemeOverlay.AppCompat.Light" />

</com.google.android.material.appbar.AppBarLayout>

<androidx.core.widget.NestedScrollView

android:layout_width="match_parent"

android:layout_height="match_parent"

android:layout_marginTop="?attr/actionBarSize"

android:background="@drawable/wallpaper1"

android:padding="16dp">

<TextView

android:id="@+id/tv_app_info"

android:layout_width="match_parent"

android:layout_height="wrap_content"

android:textAppearance="?attr/textAppearanceBody1"

android:textColor="@android:color/black"

android:textSize="20sp"

android:lineSpacingExtra="6dp"
```

```
android:justificationMode="inter_word"
```

```
tools:text="@string/app_info" />
```

```
</androidx.core.widget.NestedScrollView>
```

```
</androidx.coordinatorlayout.widget.CoordinatorLayout>
```

18. Activity Main.xml

```
<?xml version="1.0" encoding="utf-8"?>
```

```
<androidx.coordinatorlayout.widget.CoordinatorLayout  
xmlns:android="http://schemas.android.com/apk/res/android"
```

```
xmlns:app="http://schemas.android.com/apk/res-auto"
```

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

```
android:layout_width="match_parent"
```

```
android:layout_height="match_parent"  
tools:context=".MainActivity">
```

```
<com.google.android.material.appbar.AppBarLayout
```

```
android:layout_width="match_parent"
```

```
android:layout_height="wrap_content"
```

```
android:theme="@style/ThemeOverlay.AppCompat.Dark.ActionBar">
```

```
<androidx.appcompat.widget.Toolbar  
android:id="@+id/toolbar"
```

```
android:layout_width="match_parent"
```

```
android:layout_height="?attr/actionBarSize"
```

```
android:background="@color/coklat"
```

```
app:popupTheme="@style/ThemeOverlay.AppCompat.Light" />
```

```
</com.google.android.material.appbar.AppBarLayout>
```

```
<LinearLayout
```

```
android:layout_width="match_parent"
```

```
android:layout_height="match_parent"
```

```
android:orientation="vertical"  
android:padding="16dp"  
android:gravity="center"
```

```
android:background="@drawable/background"
```

```
app:layout_behavior="@string/appbar_scrolling_view_behavior">
```

```
<Button
```

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

```
android:layout_width="200dp"
```

```
android:layout_height="wrap_content"
```

```
android:layout_marginTop="20dp"
```

```
android:layout_marginBottom="30dp"
```

```
android:backgroundTint="@color/colorklat"
```

```
    android:text="Pengenalannya Bahasa Latin"
```

```
android:textColor="@color/Black" />
```

```
    <Button
```

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

```
        android:layout_width="200dp"
```

```
        android:layout_height="wrap_content"
```

```
        android:layout_marginBottom="30dp"
```

```
        android:backgroundTint="@color/colorklat"
```

```
        android:textColor="@color/Black"
        android:text="Kamus Hewan" />
```

```
    <Button
```

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

```
        android:layout_width="200dp"
```

```
        android:layout_height="wrap_content"
```

```
        android:layout_marginBottom="30dp"
```

```
    p"
```

```
    android:backgroundTint="@color/colorklat"
```

```
    android:textColor="@color/Black"
    android:text="Kamus Tumbuhan" />
```

```
    <Button
```

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

```
        android:layout_width="200dp"
```

```
        android:layout_height="wrap_content"
```

```
        android:layout_marginBottom="30dp"
```

```
        android:backgroundTint="@color/colorklat"
```

```
        android:textColor="@color/Black"
        android:text="Tentang Aplikasi" />
```

```
    </LinearLayout>
```

```
    </androidx.coordinatorlayout.widget.CoordinatorLayout>
```

19. Activity Pengenalan.xml

```
<?xml version="1.0" encoding="utf-8"?>
```

```
<androidx.coordinatorlayout.widget.CoordinatorLayout
```

```
    xmlns:android="http://schemas.android.com/apk/res/android"
```

```
    xmlns:app="http://schemas.android.com/apk/res-auto"
```

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

com/tools"	<androidx.core.widget.NestedScroll View
android:layout_width="match_parent "	android:layout_width="match_parent "
android:layout_height="match_paren t"	android:layout_height="match_paren t"
tools:context=".PengelasanActivity" >	android:layout_marginTop="?attr/act ionBarSize"
<com.google.android.material.appbar .AppBarLayout	android:background="@drawable/wa lpaper1"
android:layout_width="match_parent "	android:padding="16dp"> <TextView
android:layout_height="wrap_conten t"	android:id="@+id/tv_app_info"
android:theme="@style/ThemeOverl ay.AppCompat.Dark.ActionBar">	android:layout_width="match_parent "
<androidx.appcompat.widget.Toolba r	android:layout_height="wrap_conten t"
android:id="@+id/toolbar"	android:textAppearance="?attr/textA pppearanceBody1"
android:layout_width="match_parent "	android:textColor="@android:color/ black"
android:layout_height="?attr/actionB arSize"	android:textSize="16sp"
android:background="@color/coklat "	android:lineSpacingExtra="6dp"
app:popupTheme="@style/ThemeOv erlay.AppCompat.Light" />	android:justificationMode="inter_wo rd"
	tools:text="@string/app_info" />
</com.google.android.material.appba r.AppBarLayout>	</androidx.core.widget.NestedScroll View>
	</androidx.coordinatorlayout.widget.

CoordinatorLayout>

20. Activity Kamus data.xml

```
<?xml version="1.0" encoding="utf-8"?>
```

```
<androidx.coordinatorlayout.widget.  
CoordinatorLayout  
xmlns:android="http://schemas.andro  
id.com/apk/res/android"
```

```
xmlns:app="http://schemas.android.c  
om/apk/res-auto"
```

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

```
android:layout_width="match_parent  
"
```

```
android:layout_height="match_paren  
t"
```

```
android:fitsSystemWindows="true"
```

```
tools:context=".KamusDataActivity"  
>
```

```
<com.google.android.material.appbar  
.AppBarLayout
```

```
android:layout_width="match_parent  
"
```

```
android:layout_height="wrap_conten  
t"
```

```
android:theme="@style/ThemeOverl  
ay.AppCompat.Dark.ActionBar">
```

```
<androidx.appcompat.widget.Toolba  
r
```

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

```
android:layout_width="match_parent
```

"

```
android:layout_height="?attr/actionB  
arSize"
```

```
android:background="@color/coklat  
"
```

```
app:popupTheme="@style/ThemeOv  
erlay.AppCompat.Light" />
```

```
</com.google.android.material.appba  
r.AppBarLayout>
```

```
<!-- Layout untuk pencarian -->
```

```
<LinearLayout
```

```
android:layout_width="match_parent  
"
```

```
android:layout_height="wrap_conten  
t"
```

```
android:orientation="vertical"
```

```
android:background="@drawable/wa  
lpapertumbuhan"
```

```
android:padding="30dp"
```

```
app:layout_behavior="@string/appba  
r_scrolling_view_behavior">
```

```
<EditText
```

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

```
android:layout_width="match_parent  
"
```

```
android:layout_height="wrap_conten  
t"
```

```
android:textColor="@color/Black"
```

```
android:textColorHint="@color/Blac  
k"
```

```
android:hint="Masukkan kata
```

```

kunci" />

    <TextView
        android:id="@+id/tv_no_data"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_gravity="center"
            android:text="Data tidak
            ditemukan"
            android:visibility="gone"

        android:textColor="@android:color/
        black"
            android:textSize="14sp" />

    <Button

        android:id="@+id/btn_search"

        android:layout_width="150dp"

        android:layout_height="match_paren
        t"
            android:text="Terjemahan"
            android:textSize="14sp"

        android:backgroundTint="@color/co
        klat"

        android:textColor="@color/Black"

        android:layout_gravity="right"

        android:layout_marginTop="16dp"
    />

    <Button

        android:id="@+id/btn_voice_search"

```

```

        android:layout_width="150dp"

        android:layout_height="wrap_conten
        t"
            android:textSize="14sp"

        android:backgroundTint="@color/co
        klat"

        android:textColor="@color/Black"

        android:layout_gravity="right"

        android:drawableLeft="@drawable/b
        aseline_mic_none_24"
            android:text="Speak"/>

    </LinearLayout>

    <ProgressBar
        android:id="@+id/progressbar"
        android:layout_width="48dp"
        android:layout_height="48dp"
        android:visibility="invisible"

        app:layout_anchor="@id/rv_heros"

        app:layout_anchorGravity="center"
    />

    <androidx.recyclerview.widget.Recy
    clerView
        android:id="@+id/rv_heros"

        android:layout_width="match_parent"

        android:layout_height="522dp"

        android:layout_marginTop="210dp"

        android:background="@drawable/wa
        lpapertumbuhan"

        app:layout_behavior="@string/appba
        r_scrolling_view_behavior"

```

```
tools:listitem="@layout/card_item_kamus" />
```

```
</androidx.coordinatorlayout.widget.  
CoordinatorLayout>
```

21. Activity Kamus detail.xml

```
<?xml version="1.0" encoding="utf-  
8"?>
```

```
<androidx.coordinatorlayout.widget.  
CoordinatorLayout
```

```
xmlns:android="http://schemas.andro  
id.com/apk/res/android"
```

```
xmlns:app="http://schemas.android.c  
om/apk/res-auto"
```

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

```
android:layout_width="match_parent  
"
```

```
android:layout_height="match_paren  
t"
```

```
tools:context=".KamusDetailActivity  
>
```

```
<com.google.android.material.appbar  
.AppBarLayout
```

```
android:layout_width="match_parent  
"
```

```
android:layout_height="wrap_conten  
t"
```

```
android:theme="@style/ThemeOverl  
ay.AppCompat.Dark.ActionBar">
```

```
<androidx.appcompat.widget.Toolba
```

```
r  
        android:id="@+id/toolbar"
```

```
android:layout_width="match_parent  
"
```

```
android:layout_height="?attr/actionB  
arSize"
```

```
android:background="@color/coklat  
"
```

```
app:popupTheme="@style/ThemeOv  
erlay.AppCompat.Light" />
```

```
</com.google.android.material.appba  
r.AppBarLayout>
```

```
<ScrollView
```

```
android:layout_width="match_parent  
"
```

```
android:layout_height="match_paren  
t"
```

```
android:background="@drawable/wa  
llpaper1"
```

```
app:layout_behavior="@string/appba  
r_scrolling_view_behavior">
```

```
<LinearLayout
```

```
android:layout_width="match_parent  
"
```

```
android:layout_height="wrap_conten  
t"
```

```
        android:orientation="vertical"  
        android:padding="16dp">
```

```
<androidx.cardview.widget.CardVie  
w
```

```
android:layout_width="match_parent"
"
```

```
android:layout_height="wrap_content"
"
```

```
android:layout_marginTop="8dp"
```

```
android:layout_marginBottom="8dp"
```

```
app:cardCornerRadius="8dp"
    app:cardElevation="4dp"
```

```
app:cardBackgroundColor="@color/
colorAccent"
```

```
app:cardMaxElevation="4dp"
```

```
app:cardUseCompatPadding="true">
```

```
<androidx.constraintlayout.widget.C
onstraintLayout
```

```
android:layout_width="match_parent"
"
```

```
android:layout_height="wrap_content"
"
```

```
android:padding="16dp">
```

```
<androidx.constraintlayout.widget.G
uideline
```

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

```
android:layout_width="wrap_content"
"
```

```
android:layout_height="wrap_content"
"
```

```
app:layout_constraintGuide_begin="
160dp"/>
```

```
<ImageView
```

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

```
android:layout_width="match_parent"
"
```

```
android:layout_height="350dp"
```

```
android:layout_marginBottom="4dp"
```

```
android:scaleType="centerCrop"
```

```
app:layout_constraintEnd_toStartOf=
"@+id/guideline"
```

```
app:layout_constraintTop_toTopOf=
"parent"
```

```
app:layout_constraintEnd_toEndOf=
"parent"
```

```
app:layout_constraintBottom_toTop
Of="@id/edt_name"
```

```
tools:src="@color/colorAccent" />
```

```
<TextView
```

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

```
android:layout_width="0dp"
```

```
android:layout_height="wrap_content"
"
```

```
android:layout_marginStart="16dp"
```

```
android:layout_marginEnd="16dp"
```

```
android:layout_marginTop="2dp"
```

```
android:textColor="@android:color/
black"
```

```

android:textSize="20sp"

android:textStyle="bold"

android:gravity="center"

app:layout_constraintTop_toBottom
Of="@id/imgHolder"

app:layout_constraintStart_toStartOf
="parent"

app:layout_constraintEnd_toEndOf=
"parent"
        tools:text="Name"/>
<TextView

android:id="@+id/edt_ilmiah"

android:layout_width="0dp"

android:layout_height="wrap_conten
t"

android:layout_marginStart="16dp"

android:layout_marginEnd="16dp"

android:layout_marginTop="4dp"

android:layout_marginBottom="8dp"

android:textColor="@android:color/
darker_gray"

android:textSize="14sp"

android:ellipsize="end"

android:maxLines="5"

android:gravity="center"

app:layout_constraintTop_toBottom
Of="@id/edt_name"

```

```

app:layout_constraintStart_toStartOf
="parent"

app:layout_constraintEnd_toEndOf=
"parent"
        tools:text="Nama
Ilmiah"/>
<TextView

android:id="@+id/edt_kategori"

android:layout_width="0dp"

android:layout_height="wrap_conten
t"

android:layout_marginStart="16dp"

android:layout_marginEnd="16dp"

android:layout_marginTop="4dp"

android:layout_marginBottom="8dp"

android:textColor="@color/Gray"

android:textSize="14sp"

android:ellipsize="end"

android:maxLines="5"

android:gravity="center"

app:layout_constraintTop_toBottom
Of="@id/edt_ilmiah"

app:layout_constraintStart_toStartOf
="parent"

app:layout_constraintEnd_toEndOf=
"parent"
        tools:text="Kategori"/>

```

```

        <TextView
            android:id="@+id/edt_deskripsi"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:padding="16dp"
            android:hint="Deskripsi"
            android:autoSizeMaxTextSize="1000dp"
            android:textColor="@android:color/black"
            android:textSize="16sp"
            android:lineSpacingExtra="2dp"
            android:justificationMode="inter_word"
            app:layout_constraintTop_toBottomOf="@id/edt_kategori"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintEnd_toEndOf="parent"/>
    </androidx.constraintlayout.widget.ConstraintLayout>
</androidx.cardview.widget.CardView>
</LinearLayout>
</ScrollView>
</androidx.coordinatorlayout.widget.

```

CoordinatorLayout>

22. Activity suara.xml

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.coordinatorlayout.widget.CoordinatorLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:fitsSystemWindows="true"
    tools:context=".SuaraActivity">
    <com.google.android.material.appbar.AppBarLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:theme="@style/ThemeOverlay.AppCompat.Dark.ActionBar">
        <androidx.appcompat.widget.Toolbar
            android:id="@+id/toolbar"
            android:layout_width="match_parent"

```

```
android:layout_height="?attr/actionBarSize"
```

```
android:background="@color/coklat"
```

```
app:popupTheme="@style/ThemeOverlay.AppCompat.Light" />
```

```
</com.google.android.material.appbar.AppBarLayout>
```

```
<!-- Layout untuk pencarian -->  
<LinearLayout
```

```
android:layout_width="match_parent"
```

```
android:layout_height="wrap_content"
```

```
    android:orientation="vertical"
```

```
android:background="@drawable/wallpaperhewan"
```

```
    android:padding="30dp"
```

```
app:layout_behavior="@string/appbar_scrolling_view_behavior">
```

```
    <EditText  
        android:id="@+id/et_search"
```

```
android:layout_width="match_parent"
```

```
android:layout_height="wrap_content"
```

```
android:textColor="@color/Black"
```

```
android:textColorHint="@color/Black"
```

```
    android:hint="Masukkan kata kunci" />
```

```
    <TextView
```

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

```
        android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"
```

```
        android:textColor="@color/Black"
```

```
        android:layout_gravity="center"  
        android:textSize="14sp"
```

```
        android:layout_marginTop="2dp" />
```

```
    <Button
```

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

```
        android:layout_width="150dp"
```

```
        android:layout_height="match_parent"
```

```
        android:text="Terjemahan"
```

```
        android:backgroundTint="@color/coklat"
```

```
        android:textColor="@color/Black"
```

```
        android:layout_gravity="right"  
        android:textSize="14sp" />
```

```
    <Button
```

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

```
        android:layout_width="150dp"
```

```
        android:layout_height="wrap_content"
```

```
        android:layout_gravity="right"
```

```
        android:backgroundTint="@color/coklat"
```

```

    klat"

    android:textColor="@color/Black"
        android:textSize="14sp"

    android:drawableLeft="@drawable/baseline_mic_none_24"
        android:text="Speak"/>
</LinearLayout>

<!-- RecyclerView untuk
menampilkan data -->

<androidx.recyclerview.widget.RecyclerView
    android:id="@+id/rv_heros"

    android:layout_marginTop="210dp"

    android:layout_width="match_parent"
    "

    android:layout_height="match_parent"
    "

    app:layout_behavior="@string/appbar_scrolling_view_behavior"

    android:background="@drawable/wallpaperhewan"

    tools:listitem="@layout/card_item_kamus" />

<!-- ProgressBar untuk
menunjukkan loading -->
<ProgressBar
    android:id="@+id/progressbar"
    android:layout_width="48dp"
    android:layout_height="48dp"
    android:layout_gravity="center"
    android:visibility="gone" />

</androidx.coordinatorlayout.widget.CoordinatorLayout>

```

23. Card Item kamus.xml

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"

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

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

    android:layout_width="match_parent"
    "

    android:layout_height="wrap_content"
    "

    android:layout_marginLeft="16dp"

    android:layout_marginRight="16dp"
    android:orientation="vertical">

    <androidx.cardview.widget.CardView

    android:id="@+id/cv_item_heros"

    android:layout_width="match_parent"
    "

    android:layout_height="wrap_content"
    "

    android:layout_marginTop="1dp"

    android:layout_marginBottom="1dp"
        app:cardCornerRadius="8dp"
        app:cardElevation="1dp"

    app:cardBackgroundColor="@color/colorAccent"
        app:cardMaxElevation="1dp"

```

app:cardUseCompatPadding="true">	uideline
	android:id="@+id/guideline"
<androidx.constraintlayout.widget.ConstraintLayout	android:layout_width="wrap_content"
	"
android:layout_width="match_parent"	android:layout_height="wrap_content"
"	"
android:layout_height="wrap_content"	app:layout_constraintGuide_begin="160dp" />
"	
android:background="@color/coklat"	<TextView
"	
android:padding="16dp">	android:id="@+id/tv_item_name"
	android:layout_width="0dp"
<ImageView	android:layout_height="wrap_content"
	"
android:id="@+id/img_item_photo"	android:layout_marginLeft="16dp"
android:layout_width="80dp"	android:layout_marginRight="16dp"
android:layout_height="70dp"	android:layout_marginTop="4dp"
android:layout_marginBottom="4dp"	android:textColor="@android:color/black"
android:scaleType="centerCrop"	android:textSize="18sp"
app:layout_constraintEnd_toStartOf="@+id/guideline"	android:textStyle="bold"
app:layout_constraintStart_toStartOf="parent"	app:layout_constraintStart_toEndOf="@id/img_item_photo"
app:layout_constraintTop_toTopOf="parent"	app:layout_constraintTop_toTopOf="parent"
app:layout_constraintBottom_toBottomOf="parent"	tools:text="Name" />
tools:src="@color/colorAccent" />	<TextView
	android:id="@+id/tv_item_ilmiah"
<androidx.constraintlayout.widget.G	android:layout_width="0dp"

```
android:layout_height="wrap_content"
```

```
android:layout_marginLeft="16dp"
```

```
android:layout_marginRight="16dp"
```

```
android:layout_marginTop="4dp"
```

```
android:layout_marginBottom="8dp"
```

```
android:textColor="@color/White"
    android:textSize="14sp"
    android:ellipsize="end"
    android:maxLines="5"
```

```
app:layout_constraintStart_toEndOf=
"@id/img_item_photo"
```

```
app:layout_constraintTop_toBottom
Of="@id/tv_item_name"
    tools:text="Nama Ilmiah"
/>
```

```
<TextView
```

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

```
android:layout_width="0dp"
```

```
android:layout_height="wrap_content"
```

```
android:layout_marginLeft="16dp"
```

```
android:layout_marginRight="16dp"
```

```
android:layout_marginTop="4dp"
```

```
android:layout_marginBottom="8dp"
```

```
android:textColor="@color/Brown"
    android:textSize="14sp"
    android:ellipsize="end"
    android:maxLines="5"
```

```
app:layout_constraintStart_toEndOf=
"@id/img_item_photo"
```

```
app:layout_constraintTop_toBottom
Of="@id/tv_item_ilmiah"
    tools:text="Kategori" />
```

```
</androidx.constraintlayout.widget.C
onstraintLayout>
```

```
</androidx.cardview.widget.CardVie
w>
</LinearLayout>
```

24. Activity Tentang aplikasi.xml

```
<?xml version="1.0" encoding="utf-
8"?>
```

```
<androidx.coordinatorlayout.widget.
CoordinatorLayout
xmlns:android="http://schemas.andro
id.com/apk/res/android"
```

```
xmlns:app="http://schemas.android.c
om/apk/res-auto"
```

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

```
android:layout_width="match_parent"
```

```
android:layout_height="match_paren
t"
```

```
tools:context=".Model.Kamus.tentan
g_aplikasi">
```

```
<com.google.android.material.appbar
.AppBarLayout
```

```
android:layout_width="match_parent"
```

```
android:layout_height="wrap_content"
```

```
android:theme="@style/ThemeOverlay.AppCompat.Dark.ActionBar">
```

```
<androidx.appcompat.widget.Toolbar  
    android:id="@+id/toolbar"
```

```
android:layout_width="match_parent"
```

```
android:layout_height="?attr/actionBarSize"
```

```
android:background="@color/coklat"
```

```
app:popupTheme="@style/ThemeOverlay.AppCompat.Light" />
```

```
</com.google.android.material.appbar.AppBarLayout>
```

```
<androidx.core.widget.NestedScrollView
```

```
android:layout_width="match_parent"
```

```
android:layout_height="match_parent"
```

```
android:layout_marginTop="?attr/actionBarSize"
```

```
android:background="@drawable/wallpaper1"  
    android:padding="16dp">
```

```
<TextView  
    android:id="@+id/tv_app_info"
```

```
android:layout_width="match_parent"
```

```
android:layout_height="wrap_content"
```

```
android:textAppearance="?attr/textAppearanceBody1"
```

```
android:textColor="@android:color/black"  
    android:textSize="16sp"
```

```
android:lineSpacingExtra="6dp"
```

```
android:justificationMode="inter_word"  
    tools:text="@string/app_info1"  
/>
```

```
</androidx.core.widget.NestedScrollView>
```

```
</androidx.coordinatorlayout.widget.CoordinatorLayout>
```