

LAMPIRAN

Lampiran_script

```
// kamus
package
com.example.kamus.Model.Kamus;

import
com.google.gson.annotations.Serializ
edName;

public class Kamus {

    @SerializedName("id")
    private String id;
    @SerializedName("name")
    private String name;
    @SerializedName("ilmiah")
    private String ilmiah;
    @SerializedName("kategori")
    private String kategori;
    @SerializedName("image")
    private String image;
    @SerializedName("deskripsi")
    private String deskripsi;

    public Kamus(){}

    public Kamus(String id, String
name, String ilmiah, String kategori,
String image, String deskripsi) {
        this.id = id;
        this.name = name;
        this.ilmiah = ilmiah;
        this.kategori = kategori;
        this.image = image;
        this.deskripsi = deskripsi;
    }

    public String getId() {
        return id;
    }

    public void setId(String id) {
        this.id = id;
    }
}
```

```
public String getName() {
    return name;
}

public void setName(String name)
{
    this.name = name;
}

public String getIlmiah() {
    return ilmiah;
}

public void setIlmiah(String
ilmiah) {this.ilmiah = ilmiah; }

public String getKategori() {
    return kategori;
}

public void setKategori(String
kategori) {
    this.kategori = kategori;
}

public String getImage() {
    return image;
}

public void setImage(String
image) {
    this.image = image;
}

public String getDeskripsi()
{return deskripsi; }

public void setDeskripsi(String
deskripsi) {
    this.deskripsi = deskripsi;
}

}
// get_kamus
package
com.example.kamus.Model.Kamus;
```

```

import
com.google.gson.annotations.Serializ
edName;
import java.util.List;

public class GetKamus {
    @SerializedName("status")
    String status;
    @SerializedName("result")
    List<Kamus> listDataHeros;
    @SerializedName("message")
    String message;
    public String getStatus() {
        return status;
    }
    public void setStatus(String status)
    {
        this.status = status;
    }
    public String getMessage() {
        return message;
    }
    public void setMessage(String
message) {
        this.message = message;
    }
    public List<Kamus>
getListDataHeros() {
        return listDataHeros;
    }
    public void
setListDataHeros(List<Kamus>
listDataHeros) {
        this.listDataHeros =
listDataHeros;
    }
}
// config
package com.example.kamus;
public class Config {
    public static final String
BASE_URL =
"https://kamus.fadlullahnft.com/";
    public static final String
IMAGES_URL =
"https://kamus.fadlullahnft.com/asset
s/files/kamus/";
}
// adapter
package
com.example.kamus.Adapter;

import
android.annotation.SuppressLint;
import android.content.Intent;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ImageView;
import android.widget.TextView;
import java.text.DecimalFormat;

import
androidx.recyclerview.widget.Recycl
erView;

import com.bumptech.glide.Glide;
import
com.bumptech.glide.request.Request
Options;
import com.example.kamus.Config;
import
com.example.kamus.Model.Kamus.
Kamus;
import
com.example.kamus.KamusDetailAc
tivity;
import
com.example.kamus.PencarianActivi
ty;
import com.example.kamus.R;

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

public class AdapterDataKamus
extends
RecyclerView.Adapter<AdapterData
Kamus.MyViewHolder> {
    List<Kamus> mHerosList;

```

```

        private List<Kamus>
mHerosListFull;
        public
AdapterDataKamus(List<Kamus>
HerosList) {
            mHerosList = HerosList;
            mHerosListFull = new
ArrayList<>(HerosList);
            sortList(mHerosListFull); // Sort
list untuk binary search
        }

        @Override
        public MyViewHolder
onCreateViewHolder(ViewGroup
parent, int viewType) {
            View mView =
LayoutInflater.from(parent.getConte
xt()).inflate(R.layout.card_item_kam
us, parent, false);
            MyViewHolder mViewHolder
= new MyViewHolder(mView);
            return mViewHolder;
        }

        @Override
        public void
onBindViewHolder(MyViewHolder
holder,
@SuppressLint("RecyclerView")
final int position) {

            holder.mTextViewName.setText(mH
erosList.get(position).getName());

            holder.mTextViewKategori.setText(
mHerosList.get(position).getKategori
());

            holder.mTextViewIlmiah.setText(m
HerosList.get(position).getIlmiah());

            Glide.with(holder.itemView.getCont
ext())

                .load(Config.IMAGES_URL +
mHerosList.get(position).getImage())
                .apply(new
RequestOptions().override(350,
350))

                .into(holder.mImageViewFoto);

            holder.itemView.setOnClickListener
(new View.OnClickListener() {
                @Override
                public void onClick(View
view) {
                    Intent mIntent;

                    mIntent = new
Intent(view.getContext(),
KamusDetailActivity.class);

                    mIntent.putExtra("Id",
mHerosList.get(position).getId());
                    mIntent.putExtra("Name",
mHerosList.get(position).getName());
                    ;
                    mIntent.putExtra("Ilmiah",
mHerosList.get(position).getIlmiah()
);

                    mIntent.putExtra("Kategori",
mHerosList.get(position).getKategori
());

                    mIntent.putExtra("Deskripsi",
mHerosList.get(position).getDeskrip
si());
                    mIntent.putExtra("Image",
mHerosList.get(position).getImage())
                    ;

                    view.getContext().startActivity(mInt
ent);
                }
            });
        }
    }
}

```

```

@Override
public int getItemCount() {
    return mHerosList.size();
}

public class MyViewHolder
extends RecyclerView.ViewHolder {
    public TextView
mTextViewName,
mTextViewIlmiah,
mTextViewKategori;
    public ImageView
mImageViewFoto;

    public MyViewHolder(View
itemView) {
        super(itemView);
        mTextViewName =
(TextView)
itemView.findViewById(R.id.tv_ite
m_name);
        mTextViewIlmiah =
(TextView)
itemView.findViewById(R.id.tv_ite
m_ilmiah);
        mTextViewKategori =
(TextView)
itemView.findViewById(R.id.tv_ite
m_kategori);
        mImageViewFoto =
itemView.findViewById(R.id.img_it
em_photo);
        //
mImageViewFoto.setVisibility(View
.GONE);
    }
}

// Sorting List
private void sortList(List<Kamus>
list) {
    Collections.sort(list, (k1, k2) ->
k1.getName().compareToIgnoreCase
(k2.getName()));
}

// Penerapan binary search
private List<Kamus>
binarySearch(String query) {
    List<Kamus> result = new
ArrayList<>();
    int low = 0;
    int high = mHerosListFull.size()
- 1;

    while (low <= high) {
        int mid = (low + high) / 2;
        Kamus midItem =
mHerosListFull.get(mid);
        int comparison =
midItem.getName().compareToIgnor
eCase(query);

        if (comparison == 0) {
            result.add(midItem);
            // Add items around the
found item
            int left = mid - 1;
            while (left >= 0 &&
mHerosListFull.get(left).getName().e
qualsIgnoreCase(query)) {
                result.add(mHerosListFull.get(left));
                left--;
            }
            int right = mid + 1;
            while (right <
mHerosListFull.size() &&
mHerosListFull.get(right).getName()
.equalsIgnoreCase(query)) {
                result.add(mHerosListFull.get(right))
                ;
                right++;
            }
            break;
        } else if (comparison < 0) {
            low = mid + 1;
        } else {
            high = mid - 1;
        }
    }
}

```

```

    }

    return result;
}

public void filter(String text) {
    long startTime =
System.nanoTime(); // Mulai
pengukuran waktu

    List<Kamus> filteredList =
binarySearch(text);

    long endTime =
System.nanoTime(); // Akhiri
pengukuran waktu
    double duration = (endTime -
startTime) / 1_000_000.0; // Durasi
pencarian dalam milidetik dengan
presisi tinggi

    // Format durasi dengan 3 angka
desimal
    DecimalFormat df = new
DecimalFormat("#.###");
    String formattedDuration =
df.format(duration);

    // Log waktu pencarian
    System.out.println("Waktu
Pencarian: " + formattedDuration + "
ms");

    // Kirim waktu pencarian ke
activity pencarian
    if (PencarianActivity.ma !=
null) {

PencarianActivity.ma.updateSearchT
ime(formattedDuration,
filteredList.isEmpty());
    }

    mHerosList.clear();

mHerosList.addAll(filteredList);

```

```

        notifyDataSetChanged();
    }

}

// api_client
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;
    }
}

// api_interface
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();
    }
    // kamus_data_activity
    package com.example.kamus;

    import android.content.Intent;
    import android.os.Bundle;
    import android.util.Log;
    import android.view.MenuItem;
    import
    androidx.appcompat.widget.Toolbar;

    import
    androidx.appcompat.app.AppCompatActivity;
    import
    androidx.recyclerview.widget.Linear
    layoutManager;
    import
    androidx.recyclerview.widget.Recycl
    erView;

    import
    com.example.kamus.Adapter.Adapte
    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
        layoutManager;
        public static KamusDataActivity
        ma;
        private String receivedData;

        @Override
        protected void onCreate(Bundle
        savedInstanceState) {

            super.onCreate(savedInstanceState);

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

            mRecyclerView.setLayoutManager(
            layoutManager);
            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("
Kamus Ilmiah Hewan");
    }

    // Menerima data dari Intent
    Intent intent = getIntent();
    receivedData =
intent.getStringExtra("extraData");

    refresh(receivedData);
}

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)
            {
                List<Kamus> HerosList
=
response.body().getListDataHeros();
                List<Kamus>
filteredList = new ArrayList<>();

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

filteredList.add(kamus);

```

```

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.Request
Options;
import
com.example.kamus.Api.ApiClient;
import
com.example.kamus.Api.ApiInterfac
e;

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_ka
mus_detail);

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

            getSupportActionBar().setDisplayHo
            meAsUpEnabled(true);

            getSupportActionBar().setDisplaySh
            owHomeEnabled(true);

            getSupportActionBar().setTitle("
            Kamus Ilmiah Hewan");
        }

        // 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.getStringE
        xtra("Name"));

        edtIlmiah.setText(mIntent.getStringE
        xtra("Ilmiah"));

        edtKategori.setText(mIntent.getStrin
        gExtra("Kategori"));

        edtDeskripsi.setText(mIntent.getStri
        ngExtra("Deskripsi"));

        // Masukkan 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);
    }
}

// main_activity
package com.example.kamus;

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

public class MainActivity extends
AppCompatActivity {
    Button btnKamus, btnPencarian,
    btnSpesifikasi, btnTentang,
    btnKeluar;

    @Override
    protected void onCreate(Bundle
    savedInstanceState) {
        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_m
        ain);

        btnKamus =
        findViewById(R.id.btnKamus);
        btnPencarian =
        findViewById(R.id.btnPencarian);
        btnSpesifikasi =
        findViewById(R.id.btnSpesifikasi);
        btnTentang =
        findViewById(R.id.btnTentang);
        btnKeluar =
        findViewById(R.id.btnKeluar);

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

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

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

```

```

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

    btnKeluar.setOnClickListener(v
-> {
        finish(); // Menutup activity
saat tombol exit diklik
        System.exit(0); // Keluar dari
aplikasi
    });
}
}
// pencarian_activity
package com.example.kamus;

import android.os.Bundle;
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
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.Adapte
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.List;

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

public class PencarianActivity
extends AppCompatActivity {

    ApiInterface mApiInterface;
    private RecyclerView
mRecyclerView;
    private AdapterDataKamus
mAdapter;
    private
RecyclerView.LayoutManager
mLayoutManager;
    private EditText searchEditText;
    private Button searchButton;
    private TextView
searchTimeTextView; // TextView
untuk menampilkan waktu pencarian
    public static PencarianActivity
ma;

    @Override
    protected void onCreate(Bundle
savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_pe
ncarian);

        mRecyclerView =
findViewById(R.id.rv_heros);

```

```

        searchText =
findViewById(R.id.et_search);
        searchButton =
findViewById(R.id.btn_search);
        searchTimeTextView =
findViewById(R.id.tv_search_time);
// Inisialisasi TextView

        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("
Pencarian Hewan");
        }

        // Panggil metode refresh untuk
memuat data saat aktivitas dibuat
refresh();

searchButton.setOnClickListener(ne
w View.OnClickListener() {
        @Override
        public void onClick(View
view) {
                String query =
searchEditText.getText().toString();

```

```

        filter(query);
        }
    });
}

    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();

                    // Hanya menyimpan
data tanpa menampilkannya
                    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) {
            long startTime =

```

```

System.nanoTime(); // Mulai
pengukuran waktu

        mAdapter.filter(query); //
Terapkan filter ke adapter
    }
}

    public void
updateSearchTime(String
formattedDuration, boolean
noResults) {
    if (!noResults) {

searchTimeTextView.setText("Wakt
u Pencarian: " + formattedDuration +
" ms");
    } else {

searchTimeTextView.setText("Data
Tidak Temukan"); // Kosongkan
TextView jika tidak ada hasil
    }
}

@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);
}
}
// spesifikasi_activity
package com.example.kamus;

import
androidx.appcompat.app.AppCompatActivity;

```

```

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

public class SpesifikasiActivity
extends AppCompatActivity {
    Button btnVertebrata,
btnInvertebrata;

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

super.onCreate(savedInstanceState);

setContentView(R.layout.activity_sp
esifikasi);

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

getSupportActionBar().setDisplayHo
meAsUpEnabled(true);

getSupportActionBar().setDisplaySh
owHomeEnabled(true);

getSupportActionBar().setTitle("
Klasifikasi Hewan");
        }

        btnVertebrata =
findViewById(R.id.btnvertebrata);
        btnInvertebrata =
findViewById(R.id.btninvertebrata);

```

```

        // Menampilkan tombol kembali
        di Action Bar
        if (getSupportActionBar() !=
        null) {

        getSupportActionBar().setDisplayHo
        meAsUpEnabled(true);
        }

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

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

        @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);
            }
        }
    }
}

// splash_activity
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,
            MainActivity.class);
            startActivity(mainIntent);
            finish(); // Menutup
            SplashActivity agar tidak bisa
            kembali ke layar splash
        },
        SPLASH_DISPLAY_LENGTH);
    }
}

```

```

// tentang_activity
package com.example.kamus;

import
androidx.appcompat.app.AppCompatActivity;
import
androidx.appcompat.widget.Toolbar;
import android.os.Bundle;
import android.view.MenuItem;
import android.widget.TextView;

public class TentangActivity extends
AppCompatActivity {
    @Override
    protected void onCreate(Bundle
savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity_tentang);

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

getSupportActionBar().setDisplayHomeAsUpEnabled(true);

getSupportActionBar().setDisplayShowHomeEnabled(true);

getSupportActionBar().setTitle("Tentang Aplikasi");
        }

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

        // Ambil string dari resource
        String appName =
getString(R.string.app_name);
        String appVersion =
getString(R.string.app_version);
        String appDescription =
getString(R.string.app_description);
        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), appName, appVersion,
appDescription, appDeveloper,
appContact);
        tvAppInfo.setText(appInfo);
    }

    @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);
    }
}

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

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

    <uses-permission
android:name="android.permission.INTERNET" />

```

```
<application
    android:allowBackup="true"

    android:dataExtractionRules="@xml/
data_extraction_rules"

    android:fullBackupContent="@xml/
backup_rules"

    android:icon="@mipmap/ic_kamus"

    android:label="@string/app_name"

    android:networkSecurityConfig="@
xml/config"

    android:roundIcon="@mipmap/ic_ka
mus_round"
        android:supportsRtl="true"

    android:theme="@style/Theme.Kam
us"

    android:usesCleartextTraffic="true"
        tools:targetApi="31">

    <activity

        android:name=".SplashActivity"
            android:exported="true">
            <intent-filter>
                <action

                    android:name="android.intent.action.
MAIN" />
                <category

                    android:name="android.intent.catego
ry.LAUNCHER" />
            </intent-filter>
        </activity>

        <activity

            android:name=".PencarianActivity"
                android:exported="false" />
        <activity

            android:name=".TentangActivity"
                android:exported="false" />
        <activity

            android:name=".SpesifikasiActivity"
                android:exported="false" />
        <activity

            android:name=".KamusDetailActivit
y"
                android:exported="false" />
        <activity

            android:name=".KamusDataActivity
"
                android:exported="false" />
        <activity

            android:name=".MainActivity"
                android:exported="true">
        </activity>
    </application>
</manifest>
// activity_kamus_data
<?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_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/colorPrimaryDark"

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

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

    <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.RecyclerView

        android:id="@+id/rv_heros"

        android:layout_width="match_parent"

        android:layout_height="match_parent"

        app:layout_behavior="@string/appbar_scrolling_view_behavior"

        android:background="@drawable/bg_kamus"

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

</androidx.coordinatorlayout.widget.CoordinatorLayout>
//activity_kamus_detail
<?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=".KamusDetailActivity"
">
```

```
<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/colorPrimaryDark"
```

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

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

```
    <ScrollView
```

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

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

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

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

```
            <LinearLayout
```

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

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

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

```
            <androidx.cardview.widget.CardView
```

```
                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.ConstraintLayout
```

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

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

t"	<TextView
android:padding="16dp">	android:id="@+id/edt_name"
<androidx.constraintlayout.widget.Guideline	android:layout_width="0dp"
android:id="@+id/guideline"	android:layout_height="wrap_content"
android:layout_width="wrap_content"	android:layout_marginStart="16dp"
"	android:layout_marginEnd="16dp"
android:layout_height="wrap_content"	android:layout_marginTop="2dp"
t"	android:textColor="@android:color/black"
app:layout_constraintGuide_begin="160dp"/>	android:textSize="20sp"
<ImageView	android:textStyle="bold"
android:id="@+id/imgHolder"	android:gravity="center"
android:layout_width="match_parent"	app:layout_constraintTop_toBottomOf="@id/imgHolder"
"	app:layout_constraintStart_toStartOf="parent"
android:layout_height="350dp"	app:layout_constraintEnd_toEndOf="parent"
android:layout_marginBottom="4dp"	tools:text="Name"/>
android:scaleType="centerCrop"	<TextView
app:layout_constraintEnd_toStartOf="@+id/guideline"	android:id="@+id/edt_ilmiah"
app:layout_constraintTop_toTopOf="parent"	android:layout_width="0dp"
app:layout_constraintEnd_toEndOf="parent"	android:layout_height="wrap_content"
app:layout_constraintBottom_toTopOf="@id/edt_name"	android:layout_marginStart="16dp"
tools:src="@color/colorAccent" />	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_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_conten
t"

                        android:padding="16dp"

                        android:hint="Deskripsi"

                        android:autoSizeMaxTextSize="100
0dp"

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

                        android:textSize="16sp"

                        android:lineSpacingExtra="2dp"

                        android:justificationMode="inter_wo
rd"

```

```

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>
// activity_main
<?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">

    <LinearLayout

android:layout_width="match_parent"

android:layout_height="match_parent"

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

android:background="@drawable/bg_home"

app:layout_behavior="@string/appbar_scrolling_view_behavior">

        <Button

android:id="@+id/btnKamus"

android:layout_width="200dp"

android:layout_height="wrap_content"

android:layout_marginTop="40dp"

android:layout_marginBottom="30dp"

android:backgroundTint="@color/colorPrimaryDark"

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

        <Button

android:id="@+id/btnPencarian"

android:layout_width="200dp"

android:layout_height="wrap_content"

android:layout_marginBottom="30dp"

android:backgroundTint="@color/co

```

```

lorPrimaryDark"

android:textColor="@color/White"
    android:text="Pencarian
Kamus" />

    <Button

android:id="@+id/btnSpesifikasi"

android:layout_width="200dp"

android:layout_marginBottom="30d
p"

android:layout_height="wrap_conten
t"

android:backgroundTint="@color/co
lorPrimaryDark"

android:textColor="@color/White"
    android:text="Klasifikasi
Hewan" />

    <Button

android:id="@+id/btnTentang"

android:layout_width="200dp"

android:layout_marginBottom="30d
p"

android:layout_height="wrap_conten
t"

android:backgroundTint="@color/co
lorPrimaryDark"

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

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

```

```

        android:layout_width="200dp"

        android:layout_height="wrap_conten
t"
            android:text="Keluar"

        android:textColor="@color/White"

        android:backgroundTint="@color/co
lorPrimaryDark"/>

    </LinearLayout>

</androidx.coordinatorlayout.widget.
CoordinatorLayout>
// activity_pencarian
<?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=".PencarianActivity">

    <com.google.android.material.appba
r.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/colorPrimaryDark"

    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="@color/Bg"
    android:padding="16dp"

    app:layout_behavior="@string/appbar_scrolling_view_behavior">

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

```

```

        android:layout_marginTop="16dp"
            android:text="Waktu
Pencarian: 0 ms" />
    </LinearLayout>

    <!-- RecyclerView untuk
menampilkan data -->

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

    android:layout_marginTop="170dp"

    android:layout_width="match_parent
"

    android:layout_height="match_paren
t"

    app:layout_behavior="@string/appba
r_scrolling_view_behavior"

    android:background="@drawable/bg
kamus"

    tools:listitem="@layout/card_item_k
amus" />

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

</androidx.coordinatorlayout.widget.
CoordinatorLayout>
// activity_spesifikasi
<?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=".SpesifikasiActivity">

    <com.google.android.material.appba
r.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/colorP
rimaryDark"

            app:popupTheme="@style/ThemeOv
erlay.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/bg_kamus"

app:layout_behavior="@string/appbar_scrolling_view_behavior">

    <Button

android:id="@+id/btnvertebrata"

android:layout_width="200dp"

android:layout_height="wrap_content"

android:layout_marginBottom="30dp"

android:backgroundTint="@color/colorPrimaryDark"

android:textColor="@color/White"
        android:text="Vertebrata" />

    <Button

android:id="@+id/btninvertebrata"

android:layout_width="200dp"

android:layout_height="wrap_content"

android:backgroundTint="@color/colorPrimaryDark"

android:textColor="@color/White"
        android:text="Invertebrata" />

</LinearLayout>

</androidx.coordinatorlayout.widget.CoordinatorLayout>
// activity_splash
<?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="@color/Bg">

    <ImageView

android:id="@+id/splash_image"

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:layout_centerInParent="true"

android:src="@drawable/logooo" />

</RelativeLayout>

```

```

// activity_tentang
<?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=".TentangActivity">

<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/colorPrimaryDark"

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/bg_kamus"

    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:lineSpacingExtra="4dp"

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

```

```

</androidx.core.widget.NestedScroll
View>

</androidx.coordinatorlayout.widget.
CoordinatorLayout>
// card_item_kamus
<?xml version="1.0" encoding="utf-
8"?>
<LinearLayout
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="wrap_conten
t"

android:layout_marginLeft="16dp"

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

<androidx.cardview.widget.CardVie
w

android:id="@+id/cv_item_heros"

android:layout_width="match_parent
"

android:layout_height="wrap_conten
t"

android:layout_marginTop="1dp"

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

```

```

    app:cardElevation="1dp"

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

    app:cardUseCompatPadding="true">

<androidx.constraintlayout.widget.C
onstraintLayout

    android:layout_width="match_parent
"

    android:layout_height="wrap_conten
t"

    android:padding="16dp">

    <ImageView

        android:id="@+id/img_item_photo"

        android:layout_width="80dp"

        android:layout_height="70dp"

        android:layout_marginBottom="4dp"

        android:scaleType="centerCrop"

        app:layout_constraintEnd_toStartOf
            ="@+id/guideline"

        app:layout_constraintStart_toStartOf
            ="parent"

        app:layout_constraintTop_toTopOf=
            "parent"

        app:layout_constraintBottom_toBott
            omOf="parent"

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

```

```

<androidx.constraintlayout.widget.Guideline
    android:id="@+id/guideline"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    app:layout_constraintGuide_begin="160dp" />

    <TextView
        android:id="@+id/tv_item_name"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_marginLeft="16dp"
        android:layout_marginRight="16dp"
        android:layout_marginTop="4dp"
        android:textColor="@android:color/black"
        android:textSize="18sp"
        android:textStyle="bold"
        app:layout_constraintStart_toEndOf="@id/img_item_photo"
        app:layout_constraintTop_toTopOf="parent"
        tools:text="Name" />

    <TextView
        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/Gray"

```

```

        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>
// color
<?xml version="1.0" encoding="utf-
8"?>
<resources>
    <color
name="colorPrimary">#94b49d</col
or>
    <color
name="colorPrimaryDark">#6a7526
</color>
    <color
name="colorAccent">#fefbea</color
>
    <color
name="Bg">#ebebc2</color>
    <color
name="Black">#000000</color>
    <color
name="White">#ffffff</color>
    <color
name="Gray">#cbcbcb</color>
    <color
name="Red">#c51e0d</color>
    <color
name="Green">#45c50d</color>
    <color
name="Yellow">#f7f110</color>
    <color

```

```

name="Blue">#0d28c5</color>
    <color
name="Purple">#800080</color>
    <color
name="Pink">#ffc0cb</color>
    <color
name="Brown">#664c28</color>

</resources>
// strings
<resources>
    <string
name="app_name">Kamus Ilmiah
Hewan</string>
    <string
name="app_version">1.0</string>
    <string
name="app_description">Kamus
Ilmiah Hewan adalah aplikasi
Android yang dirancang untuk
membantu pengguna mempelajari
dan memahami berbagai jenis hewan
dari segi ilmiah.</string>
    <string
name="app_developer">Supriadi
Suparman</string>
    <string
name="app_contact">supriadisupar
man@gmail.com</string>

    <!-- Format string untuk info
aplikasi -->
    <string name="app_info">Nama
Aplikasi: %1$s\n\nVersi:
%2$s\n\nDeskripsi:
%3$s\n\nPengembang:
%4$s\n\nKontak: %5$s</string>
</resources>

```

Lampiran_monitoring



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

PROPOSAL

Mahasiswa : SUPRIADI SUPARMAN	Pembimbing I : Ahmad Selao, STp., M.Sc.
NIM : 220280035	Pembimbing II : Mughaffir Yunus, ST., MT
Judul Skripsi : IMPLEMENTASI ALGORITMA BINARY SEARCH PADA APLIKASI KAMUS BAHASA ILMIAH HEWAN BERBASIS ANDROID	

ARAHAN PEMBIMBING I	HARI/TGL & PARAF PEMBIMBING	ARAHAN PEMBIMBING II	HARI/TGL & PARAF PEMBIMBING
Konsultasi 1 Sinkronkan tujuan peneliti tujuan & judulnya 2. Referensi buku & jurnal buku yg file & delete yg!	A. 24/24	Konsultasi 1 - menambahkan sumber - mengubah tujuan - menambahkan pengujian algoritma - menambahkan flowchart	Ref.
Konsultasi 2 Contohkan hitungan - manual dari Algoritma Binary search / konsep dan dalam matematika	A. 24/24	Konsultasi 2 menjelaskan pengujian algoritma binary search	Ref.
Konsultasi 3 Flowchart diperbaiki! Uraikan file menggunakan Function/library.	A. 15/24	Konsultasi 3 Acc	Ref.
Konsultasi 4 Cari jurnal terbaru yg membahas / implementasi Binary search & runnya	A. 16/24	Konsultasi 4	
Konsultasi 5 Acc & proposal	A. 23/24	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
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KARTU MONITORING BIMBINGAN
 MAHASISWA PROGRAM STUDI TEKNIK INFORMATIKA
 FAKULTAS TEKNIK
 UNIVERSITAS MUHAMMADIYAH PAREPARE

HASIL

Mahasiswa : Supriadi Suparman	Pembimbing I : Ahmad Selao, S.TP., M.Sc.
NIM : 220280035	Pembimbing II : Mughaffir Yunus, ST., MT.
Judul Skripsi : Implementasi Algoritma Binary Search Pada Aplikasi Kamus Bahasa Ilmiah Hewan Berbasis Android	

ARAHAN PEMBIMBING I	HARI/TGL & PARAF PEMBIMBING	ARAHAN PEMBIMBING II	HARI/TGL & PARAF PEMBIMBING
Konsultasi 1 Hasil berupa gambar sebaiknya dibantu ber-		Konsultasi 1 - Lengkapi data!!! - Masukkan proses binary di laporan Bdg	
Konsultasi 2 sama juga codingnya		Konsultasi 2 - Tambahkan data	
Konsultasi 3 Acc. time dimasukkan ke gmail.com		Konsultasi 3 - Pahami binary Search!!!	
Konsultasi 4		Konsultasi 4 Acc Seminar laris!	
Konsultasi 5		Konsultasi 5 Revisi sesuai permintaan penguji	

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 <i>Acc Tutup</i>	<i>[Signature]</i>	Konsultasi 6 <i>Acc Tutup</i>	<i>[Signature]</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, 08 Agustus 2024

Mahasiswa

Supriadi Suparman
NIM. 220280035

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Lampiran_ sertifikat



**Nilai Praktikum laboratorium Teknik Informatika
Fakultas Teknik Universitas Muhammadiyah Parepare Tahun 2023**

MATERI	NILAI ANGKA
PEMROGRAMAN WEB 2	85
PEMROGRAMAN JAVA	85
PEMROGRAMAN DELPHI 10	95
JARINGAN KOMPUTER 2	85
RATA-RATA	87,50
NILAI HURUF	A



**Nilai Praktikum laboratorium Teknik Informatika
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MATERI	NILAI ANGKA
DESAIN 3D BLENDER	85
UI/UX ADOBE XD	60
PEMROGRAMAN PYTHON	94
MATLAB	95
RATA-RATA	83,5
NILAI HURUF	A





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MATERI	NILAI ANGKA
PENGOLAHAN CITRA DIGITAL	98
AUGMENTED DAN VIRTUAL REALITY	90
MIKROKONTROLER	75
PEMROGRAMAN MOBILE	92
RATA-RATA	89
NILAI HURUF	A





Lampiran_buku

