

**LAMPIRAN**

## 1. Kartu Monitoring Proposal



### KARTU MONITORING BIMBINGAN

MAHASISWA PROGRAM STUDI TEKNIK INFORMATIKA  
FAKULTAS TEKNIK  
UNIVERSITAS MUHAMMADIYAH PAREPARE

#### PROPOSAL

|                                                                                                                                  |                                                   |
|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| Mahasiswa : MUHAMMAD IQBAL ISKANDAR                                                                                              | Pembimbing I : Hj. A. Irmayani Pawelloi, ST., MT. |
| NIM : 220280116                                                                                                                  | Pembimbing II : Andi Wafiah, S.Kom., M.Kom.       |
| JUDUL : RANCANG BANGUN APLIKASI MOBILE LEARNING BACAAN DOA DAN DZIKIR HARIAN BERBASIS ANDROID DENGAN PENDEKATAN METODE WATERFALL |                                                   |

| ARAHAN PEMBIMBING I                                                          | HARI/TGL & PARAF PEMBIMBING | ARAHAN PEMBIMBING II                                                                                                     | HARI/TGL & PARAF PEMBIMBING |
|------------------------------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Konsultasi 1<br>~ Teori PAB & Dzikir dan DF                                  | 7/11/2023<br>df             | Konsultasi 1<br>- Format Penulisan disesuaikan dengan pedoman<br>• Perempatan halaman<br>• Margin<br>• Penggunaan bising | f                           |
| Konsultasi 2<br>~ Tambahkan penelitian terdahulu (Digital Uniper) dan dzikir | df                          | Konsultasi 2<br>- Survey ke tempat foto penelitian, dan sinkronkan dgn batasan masalah<br>- Tambah buku referensi        | f                           |
| Konsultasi 3<br>- Prologi space DF                                           | df                          | Konsultasi 3<br>- Daftar pustaka disinkronkan dgn isi dokumen<br>- Lengkapi Daftar Isi<br>- " ket Gambar                 | f                           |
| Konsultasi 4<br>Ace                                                          | df                          | Konsultasi 4<br>- Lengkapi desain sistem<br>• yg Berjalan<br>• yg Diusulkan                                              | f                           |
| Konsultasi 5                                                                 |                             | Konsultasi 5<br>Acc Ujian Proposal                                                                                       | f                           |

Lanjut ke halaman sebelah...

#### Perhatian :

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

## 2. Kartu Monitoring Skripsi

### SKRIPSI

|                                                                                                       |                                            |
|-------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Mahasiswa : MUHAMMAD IQBAL ISKANDAR                                                                   | Pembimbing I : Hj. A. Irmayani P, S.T.,M.T |
| NIM : 220280116                                                                                       | Pembimbing II : Andi Wafiah, S.Kom.,M.Kom  |
| Judul Skripsi : RANCANG BANGUN APLIKASI MOBILE LEARNING BACAAN DOA DAN DZIKIR HARIAN BERBASIS ANDROID |                                            |

| ARAHAN PEMBIMBING I                                              | HARI/TGL & PARAF PEMBIMBING | ARAHAN PEMBIMBING II                                                                                 | HARI/TGL & PARAF PEMBIMBING |
|------------------------------------------------------------------|-----------------------------|------------------------------------------------------------------------------------------------------|-----------------------------|
| Konsultasi 1<br>terbaca Alhamdulillah,<br>kesimpulan, 1 hr 6114g | 18/5/2024<br>Hj.            | Konsultasi 1<br>- Lengkapi abstrak<br>- Lengkapi dokumen sesuai Pedoman                              | A                           |
| Konsultasi 2<br>Acc.                                             | 21/5/2024<br>Hj.            | Konsultasi 2<br>- Lengkapi uraian detail aplikasi<br>- <del>det</del> <del>dan</del> <del>Tela</del> | A                           |
| Konsultasi 3                                                     |                             | Konsultasi 3<br>ACC                                                                                  | A                           |
| Konsultasi 4                                                     |                             | Konsultasi 4                                                                                         |                             |
| Konsultasi 5                                                     |                             | Konsultasi 5                                                                                         |                             |

Lanjut ke halaman sebelah...

#### Perhatian :

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### 3. Kartu Monitoring Skripsi



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

**SKRIPSI**

|                                                                                                              |                                                           |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| <b>MAHASISWA</b> : MUHAMMAD IQBAL ISKANDAR                                                                   | <b>Pembimbing I</b> : Hj. A. Irmayani Pawelloi, S.T., M.T |
| <b>NIM</b> : 220280116                                                                                       | <b>Pembimbing II</b> : Andi Wafiah, S.Kom., M.Kom.        |
| <b>Judul Skripsi</b> : RANCANG BANGUN APLIKASI MOBILE LEARNING BACAAN DOA DAN DZIKIR HARIAN BERBASIS ANDROID |                                                           |

| ARAHAN PEMBIMBING I                          | HARI/TGL & PARAF PEMBIMBING | ARAHAN PEMBIMBING II                             | HARI/TGL & PARAF PEMBIMBING |
|----------------------------------------------|-----------------------------|--------------------------------------------------|-----------------------------|
| Konsultasi 1<br>Tangg. Audio Suara<br>Privat | 9/7/2024<br>A.I.            | Konsultasi 1<br>- kesimpulan<br>- detail sistem. | A.                          |
| Konsultasi 2<br>Acc                          | A.I.                        | Konsultasi 2<br>Akurasi                          | A.                          |
| Konsultasi 3                                 |                             | Konsultasi 3<br>Acc                              | A.                          |
| Konsultasi 4                                 |                             | Konsultasi 4                                     |                             |
| Konsultasi 5                                 |                             | Konsultasi 5                                     |                             |

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#### 4. Lampiran AddDoaActivity.java

```
package com.aplikasi.dzikir.admin;
import android.app.AlertDialog;
import android.content.Intent;
import android.os.Bundle;
import
android.view.LayoutInflater;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

import
androidx.annotation.NonNull;
import
androidx.appcompat.app.AppCompatActivity;
import
androidx.recyclerview.widget.
LinearLayoutManager;
import
androidx.recyclerview.widget.
RecyclerView;

import com.aplikasi.dzikir.R;
import
com.google.android.gms.tasks.
OnFailureListener;
import
com.google.android.gms.tasks.
OnSuccessListener;
import
com.google.firebase.database.
DataSnapshot;
import
com.google.firebase.database.
DatabaseError;
import
com.google.firebase.database.
DatabaseReference;
import
com.google.firebase.database.
FirebaseDatabase;
import
com.google.firebase.database.
ValueEventListener;
```

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

public class AddSurahActivity
extends AppCompatActivity
implements
DoaAdapter.OnDoaItemClickListener {

    private EditText editTextJudul,
    editTextArab, editTextAudio,
    editTextVideo, editTextArtinya;
    private DatabaseReference
    surahRef;
    private RecyclerView
    recyclerView;
    private List<Doa> listDoa;
    private DoaAdapter adapter;
    private int position;

    @Override
    protected void onCreate(Bundle
    savedInstanceState) {

        super.onCreate(savedInstanceState)
        ;

        setContentView(R.layout.
        activity_add_surah);

        // Inisialisasi views
        editTextJudul =
        findViewById(R.id.editTextJudul);
        editTextArab =
        findViewById(R.id.editTextArab);
        editTextAudio =
        findViewById(R.id.editTextAudio);
        editTextVideo =
        findViewById(R.id.editTextVideo);
        editTextArtinya =
        findViewById(R.id.editTextArtinya)
        );

        // Inisialisasi Firebase
```

```

Database Reference
    surahRef =
FirebaseDatabase.getInstance().get
Reference().child("surah");

    recyclerView =
findViewById(R.id.recyclerViewD
oa);

recyclerView.setLayoutManager(ne
w LinearLayoutManager(this));

    listDoa = new ArrayList<>();
// Inisialisasi listDoa dengan
ArrayList kosong
    adapter = new
DoaAdapter(listDoa, this);

recyclerView.setAdapter(adapter);

    // Mengambil data dari
Firebase

surahRef.addValueEventListener(n
ew ValueEventListener() {
    @Override
    public void
onDataChange(@NonNull
DataSnapshot dataSnapshot) {
        listDoa.clear();

        for (DataSnapshot
snapshot :
dataSnapshot.getChildren()) {
            Doa doa =
snapshot.getValue(Doa.class);
            if (doa != null) {

                doa.setKey(snapshot.getKey()); //
set key dari Firebase
                listDoa.add(doa);
            }
        }

        adapter.notifyDataSetChanged();

```

```

    }

    @Override
    public void
onCancelled(@NonNull
DatabaseError databaseError) {

        Toast.makeText(AddSurahActivity.t
his, "Gagal mengambil data: " +
databaseError.getMessage(),
Toast.LENGTH_SHORT).show();
    }
}

    public void addSurah(View
view) {
        // Mendapatkan nilai dari form
input
        String judul =
editTextJudul.getText().toString();
        String arab =
editTextArab.getText().toString();
        String audio =
editTextAudio.getText().toString();
        String video =
editTextVideo.getText().toString();
        String artinya =
editTextArtinya.getText().toString(
);

        // Validasi input
        if (judul.isEmpty() ||
arab.isEmpty() || audio.isEmpty() ||
video.isEmpty() ||
artinya.isEmpty()) {
            Toast.makeText(this, "Harap
isi semua kolom",
Toast.LENGTH_SHORT).show();
            return;
        }

        // Membuat objek Doa
        final Doa doa = new
Doa(judul, arab, audio, video,
artinya);

```

```

        // Menambahkan data ke
        Firebase
        surahRef.push().setValue(doa)

```

```

        .addOnSuccessListener(new
        OnSuccessListener<Void>() {
            @Override
            public void
            onSuccess(Void aVoid) {
                // Data berhasil
                ditambahkan
            }
        })

```

```

        Toast.makeText(AddSurahActivity.this, "Data berhasil ditambahkan",
        Toast.LENGTH_SHORT).show();
        clearForm();
    }
}

```

```

        .addOnFailureListener(new
        OnFailureListener() {
            @Override
            public void
            onFailure(@NonNull Exception e)
            {
                // Gagal
                menambahkan data
            }
        })

```

```

        Toast.makeText(AddSurahActivity.this, "Gagal menambahkan data: " +
        e.getMessage(),
        Toast.LENGTH_SHORT).show();
    }
}

```

```

private void clearForm() {
    editTextJudul.setText("");
    editTextArab.setText("");
    editTextAudio.setText("");
    editTextVideo.setText("");
    editTextArtinya.setText("");
}

```

```

private void showDialog() {

```

```

        AlertDialog.Builder builder =
        new
        AlertDialog.Builder(AddSurahActivity.this);

```

```

        // Inflate the custom layout
        LayoutInflater inflater =
        getLayoutInflater();
        View dialogView =
        inflater.inflate(R.layout.costum_alert_dialog2, null);
        builder.setView(dialogView);

```

```

        final AlertDialog alertDialog
        = builder.create();

```

```

        // Get references to buttons
        Button buttonYes =
        dialogView.findViewById(R.id.buttonYes);

```

```

        Button buttonNo =
        dialogView.findViewById(R.id.buttonNo);

```

```

        // Set click listeners for
        buttons

```

```

        buttonYes.setOnClickListener(new
        View.OnClickListener() {
            @Override
            public void onClick(View
            v) {
                performYesAction();
                alertDialog.dismiss();
            }
        });

```

```

        buttonNo.setOnClickListener(new
        View.OnClickListener() {
            @Override
            public void onClick(View
            v) {
                performNoAction();
                alertDialog.dismiss();
            }
        });

```

```

    });

    alertDialog.show();
}

public void performYesAction()
{
    Intent intent = new
    Intent(AddSurahActivity.this,
    LoginActivity.class);
    startActivity(intent);
    finish(); // Tutup activity saat
    ini
}

public void performNoAction()
{
    // Implementasi aksi untuk
    tombol No
    Toast.makeText(this, "Logout
    dibatalkan",
    Toast.LENGTH_SHORT).show();
}

@Override
public void onEditClick(int
position) {
    this.position = position;
    // Implementasi aksi edit di
    sini, misalnya:
    final Doa doa =
    listDoa.get(position);

    // Set nilai dari Doa ke
    EditText

    editTextJudul.setText(doa.getJudul(
    ));

    editTextArab.setText(doa.getArab()
    );

    editTextAudio.setText(doa.getAudio()
    );

    editTextVideo.setText(doa.getVide

```

```

o());

    editTextArtinya.setText(doa.getArti
    nya());

    // Contoh: Munculkan tombol
    "Update" atau semacamnya
    Button buttonAdd =
    findViewById(R.id.buttonAdd); //
    assuming buttonAdd is defined in
    your layout
    buttonAdd.setText("Update");

    buttonAdd.setOnClickListener(new
    View.OnClickListener() {
        @Override
        public void onClick(View
        v) {
            // Logika untuk
            melakukan update data ke Firebase
            atau penyimpanan lainnya
            // Misalnya, perbarui
            objek Doa dan push ke Firebase

            doa.setJudul(editTextJudul.getText(
            ).toString());

            doa.setArab(editTextArab.getText()
            .toString());

            doa.setAudio(editTextAudio.getTe
            xt().toString());

            doa.setVideo(editTextVideo.getTex
            t().toString());

            doa.setArtinya(editTextArtinya.get
            Text().toString());

            surahRef.child(doa.getKey()).setVa
            lue(doa)

            .addOnSuccessListener(new
            OnSuccessListener<Void>() {
                @Override

```



```

        public void
onSuccess(Void aVoid) {

    Toast.makeText(AddSurahActivity.t
his, "Data berhasil diupdate",
    Toast.LENGTH_SHORT).show();
        clearForm();

    buttonAdd.setText("Tambahkan");
        }
    })

    .addOnFailureListener(new
    OnFailureListener() {
        @Override
        public void
onFailure(@NonNull Exception e)
    {

        Toast.makeText(AddSurahActivity.t
his, "Gagal mengupdate data: " +
e.getMessage(),
        Toast.LENGTH_SHORT).show();
            }
        });
    }

    @Override
    public void onDeleteClick(int
position) {
        // Implementasi aksi hapus di
sini, misalnya:
        final Doa doa =
listDoa.get(position);

        surahRef.child(doa.getKey()).remo
veValue()

        .addOnSuccessListener(new
        OnSuccessListener<Void>() {
            @Override
            public void
onSuccess(Void aVoid) {

```

```

        Toast.makeText(AddSurahActivity.t
his, "Data berhasil dihapus",
        Toast.LENGTH_SHORT).show();
            }
        })

        .addOnFailureListener(new
        OnFailureListener() {
            @Override
            public void
onFailure(@NonNull Exception e)
        {

            Toast.makeText(AddSurahActivity.t
his, "Gagal menghapus data: " +
e.getMessage(),
            Toast.LENGTH_SHORT).show();
                }
            });
        }

        public void pressBack(View
view) {
            // Implementasi aksi ketika
ImageView (icon_back) diklik
            showDialog();
            // Panggil metode
onBackPressed() untuk
menampilkan dialog konfirmasi
atau melakukan aksi kembali
        }

    }

```

## 5. Lampiran DoaAdapter.java

```

package com.aplikasi.dzikir.admin;

import
android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.Button;
import android.widget.TextView;

```

```

import
androidx.annotation.NonNull;
import
androidx.recyclerview.widget.RecyclerView;

import com.aplikasi.dzikir.R;

import java.util.List;

public class DoaAdapter extends
RecyclerView.Adapter<DoaAdapter.DoaViewHolder> {

    private List<Doa> listDoa;
    private OnDoaItemClickListener
listener;

    // Constructor
    public DoaAdapter(List<Doa>
listDoa, OnDoaItemClickListener
listener) {
        this.listDoa = listDoa;
        this.listener = listener;
    }

    // ViewHolder class
    public class DoaViewHolder
extends RecyclerView.ViewHolder
{
        TextView textViewJudul,
textViewArab, textViewAudio,
textViewVideo, textViewArtinya;
        Button buttonEdit,
buttonDelete;

        public
DoaViewHolder(@NonNull View
itemView) {
            super(itemView);
            textViewJudul =
itemView.findViewById(R.id.textViewJudul);
            textViewArab =
itemView.findViewById(R.id.textViewArab);

```

```

            textViewAudio =
itemView.findViewById(R.id.textViewAudio);
            textViewVideo =
itemView.findViewById(R.id.textViewVideo);
            textViewArtinya =
itemView.findViewById(R.id.textViewArtinya);
            buttonEdit =
itemView.findViewById(R.id.buttonEdit);
            buttonDelete =
itemView.findViewById(R.id.buttonDelete);

            // Set OnClickListener for
edit button

            buttonEdit.setOnClickListener(new
View.OnClickListener() {
                @Override
                public void
onClick(View v) {
                    int position =
getAdapterPosition();
                    if (listener != null &&
position !=
RecyclerView.NO_POSITION) {
                        listener.onEditClick(position);
                    }
                }
            });

            // Set OnClickListener for
delete button

            buttonDelete.setOnClickListener(new
View.OnClickListener() {
                @Override
                public void
onClick(View v) {
                    int position =
getAdapterPosition();
                    if (listener != null &&

```

```

position !=
RecyclerView.NO_POSITION) {

    listener.onDeleteClick(position);
        }
        }
    });
}
}

```

```

// Interface for click events
public interface
OnDoaItemClickListener {
    void onEditClick(int
position);
    void onDeleteClick(int
position);
}

```

```

@NonNull
@Override
public DoaViewHolder
onCreateViewHolder(@NonNull
ViewGroup parent, int viewType) {
    View view =
LayoutInflater.from(parent.getCont
ext()).inflate(R.layout.item_doa,
parent, false);
    return new
DoaViewHolder(view);
}

```

```

@Override
public void
onBindViewHolder(@NonNull
DoaViewHolder holder, int
position) {
    Doa doa =
listDoa.get(position);

    holder.textViewJudul.setText(doa.g
etJudul());

```

```

    holder.textViewArab.setText(doa.g
etArab());

```

```

holder.textViewAudio.setText(doa.
getAudio());

```

```

holder.textViewVideo.setText(doa.
getVideo());

```

```

holder.textViewArtinya.setText(doa
.getArtinya());
}

```

```

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

```

## 6. Lampiran Doa.java

```

package com.aplikasi.dzikir.admin;

```

```

public class Doa {
    private String judul;
    private String arab;
    private String audio;
    private String video;
    private String artinya;
    private String key; // tambahkan
atribut key

```

```

// Constructor dengan tiga
parameter
public Doa(String judul, String
teksArab) {
    this.judul = judul;
    this.arab = teksArab;
}

```

```

public Doa() {
    // Diperlukan oleh Firebase
untuk deserialisasi objek
}

```

```

// Constructor dengan enam
parameter (opsional)
public Doa(String judul, String
teksArab, String urlAudio, String

```

```

urlVideo, String artinya) {
    this.judul = judul;
    this.arab = teksArab;
    this.audio = urlAudio;
    this.video = urlVideo;
    this.artinya = artinya;
}

// Getter dan Setter untuk setiap
atribut
public String getJudul() {
    return judul;
}

public void setJudul(String
judul) {
    this.judul = judul;
}

public String getArab() {
    return arab;
}

public void setArab(String
teksArab) {
    this.arab = teksArab;
}

public String getAudio() {
    return audio;
}

public void setAudio(String
urlAudio) {
    this.audio = urlAudio;
}

public String getVideo() {
    return video;
}

public void setVideo(String
urlVideo) {
    this.video = urlVideo;
}

```

```

public String getArtinya() {
    return artinya;
}

public void setArtinya(String
artinya) {
    this.artinya = artinya;
}

public String getKey() {
    return key;
}

public void setKey(String key) {
    this.key = key;
}
}

```

## 7. Lampiran homeadmin.java

```

package com.aplikasi.dzikir.admin;

import
androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import com.aplikasi.dzikir.R;

public class homeadmin extends
AppCompatActivity {

    @Override
    protected void onCreate(Bundle
savedInstanceState) {

        super.onCreate(savedInstanceState)
        ;

        setContentView(R.layout.activity_h
omeadmin);
    }
}

```

```
}
```

#### 8. Lampiran LoginActivity.java

```
package com.aplikasi.dzikir.admin;
import android.content.Intent;
import android.os.Bundle;
import android.text.TextUtils;
import android.util.Log;
import android.view.View;
import android.widget.EditText;
import android.widget.ImageView;
import android.widget.Toast;

import
androidx.annotation.NonNull;
import
androidx.appcompat.app.AppCompatActivity;

import com.aplikasi.dzikir.R;
import
com.google.android.gms.tasks.OnCompleteListener;
import
com.google.android.gms.tasks.Task
;
import
com.google.firebase.database.Data
Snapshot;
import
com.google.firebase.database.Data
baseError;
import
com.google.firebase.database.Data
baseReference;
import
com.google.firebase.database.Fireb
aseDatabase;
import
com.google.firebase.database.Value
EventListener;

public class LoginActivity extends
AppCompatActivity {
```

```
    private EditText
editTextUsername,
editTextPassword;
    private DatabaseReference
loginRef;

    @Override
    protected void onCreate(Bundle
savedInstanceState) {

super.onCreate(savedInstanceState)
;

setContent View(R.layout.activity_l
ogin);

        // Inisialisasi views
        editTextUsername =
findViewById(R.id.editTextUserna
me);
        editTextPassword =
findViewById(R.id.editTextPasswo
rd);

        // Referensi ke "login" node di
Firebase
        loginRef =
FirebaseDatabase.getInstance().get
Reference().child("login");
        // Inisialisasi tombol back
        ImageView iconBack =
findViewById(R.id.icon_back);

iconBack.setOnClickListener(new
View.OnClickListener() {
    @Override
    public void onClick(View
v) {
        onBackPressed();
    }
});
}

    public void loginUser(View
view) {
        final String username =
```

```

editTextUsername.getText().toString().trim();
    final String password =
editTextPassword.getText().toString().trim();

    if
(TextUtils.isEmpty(username) ||
TextUtils.isEmpty(password)) {
        Toast.makeText(this,
"Username dan password harus
diisi",
Toast.LENGTH_SHORT).show();
        return;
    }

    // Mendapatkan data pengguna
dari Firebase

loginRef.child("0").addListenerFor
SingleValueEvent(new
ValueEventListener() {
    @Override
    public void
onDataChange(@NonNull
DataSnapshot dataSnapshot) {
        if (dataSnapshot.exists())
        {
            String storedUsername
=
dataSnapshot.child("user").getValu
e(String.class);
            String storedPassword
=
dataSnapshot.child("pass").getValu
e(String.class);

            // Lakukan verifikasi
user dan password di sini
            if
(username.equals(storedUsername)
&&
password.equals(storedPassword))
{
                // Username dan
password cocok, buka

```

```

AddSurahActivity
        startActivity(new
Intent(LoginActivity.this,
AddSurahActivity.class));
        finish(); // Menutup
LoginActivity setelah berhasil
login
    } else {
        // Username atau
password tidak cocok

        Toast.makeText(LoginActivity.this,
"Username atau password salah",
Toast.LENGTH_SHORT).show();
    }
    } else {
        // Pengguna tidak
ditemukan

        Toast.makeText(LoginActivity.this,
"Pengguna tidak ditemukan",
Toast.LENGTH_SHORT).show();
    }
}

@Override
public void
onCancelled(@NonNull
DatabaseError databaseError) {
    // Penanganan kesalahan

    Toast.makeText(LoginActivity.this,
"Gagal membaca data dari
database",
Toast.LENGTH_SHORT).show();
}
});

}
}

```

9. Lampiran BookmarkActivity.java

```

package com.aplikasi.dzikir;

import android.content.Intent;

```

```
private ListView
bookmarkListView;
    private ArrayAdapter<String>
bookmarkAdapter;
    private List<Surah> surahList;

@Override
protected void onCreate(Bundle
savedInstanceState) {

super.onCreate(savedInstanceState)
;

setContentView(R.layout.activity_b
ookmark);

    bookmarkListView =
findViewById(R.id.bookmark_list_
view);

    // Get the list of saved surahs
from SharedPreferences
    surahList =
getSavedSurahList();
```

```
// Extract surah names from
the surahList
List<String> surahNames =
new ArrayList<>();
for (Surah surah : surahList) {

surahNames.add(surah.getSurahName());
}

// Set up the adapter with the
surah names
bookmarkAdapter = new
ArrayAdapter<>(this,
android.R.layout.simple_list_item_1, surahNames);

bookmarkListView.setAdapter(bookmarkAdapter);

// Set item click listener

bookmarkListView.setOnItemClickListener(new
AdapterView.OnItemClickListener() {

@Override
public void
onItemClick(AdapterView<?>
parent, View view, int position,
long id) {

// Get the selected surah
Surah selectedSurah =
surahList.get(position);
// Get the surahKey and
contentType
String surahKey =
selectedSurah.getSurahKey();
String contentType =
selectedSurah.getContentType();

// Start the appropriate
activity based on contentType
if (contentType != null) {
Intent intent;
```

```

        if
        (contentType.equals("Surah")) {
            intent = new
            Intent(BookmarkActivity.this,
            SurahContentActivity.class);
        } else if
        (contentType.equals("Dzikir")) {
            intent = new
            Intent(BookmarkActivity.this,
            DzikirContentActivity.class);
        } else {
            // Handle other
            content types or errors accordingly
            return;
        }
        // Pass surahKey to the
        intent

        intent.putExtra("surah_key",
        surahKey);
        startActivity(intent);
    } else {
        // Handle the case
        when contentType is null
        // Log an error or
        display a message

        Log.e("BookmarkActivity",
        "ContentType is null for surah: " +
        selectedSurah.getSurahName());
    }
}

// Set up back button
functionality
    ImageView iconBack =
    findViewById(R.id.icon_back);

    iconBack.setOnClickListener(new
    View.OnClickListener() {
        @Override
        public void onClick(View
        v) {
            // Navigate back to home
            activity

```

```

        Intent intent = new
        Intent(BookmarkActivity.this,
        home.class);
        startActivity(intent);
        finish(); // Optional: End
        the current activity if returning to
        MainActivity only
    }
});
}

// Method to retrieve the list of
saved surahs from
SharedPreferences
    private List<Surah>
    getSavedSurahList() {
        List<Surah> savedSurahList =
        new ArrayList<>();
        SharedPreferences
        sharedPreferences =
        getSharedPreferences("MyPrefs",
        MODE_PRIVATE);

        // Retrieve surah information
        from SharedPreferences
        String surahName =
        sharedPreferences.getString("last_r
        ead_name", "");
        String surahKey =
        sharedPreferences.getString("last_r
        ead_key", "");
        String contentType =
        sharedPreferences.getString("last_r
        ead_content_type", "");

        // Log the retrieved values
        Log.d("BookmarkActivity",
        "Surah Name: " + surahName);
        Log.d("BookmarkActivity",
        "Surah Key: " + surahKey);
        Log.d("BookmarkActivity",
        "Content Type: " + contentType);

        // Add the last read surah to
        the savedSurahList if all values are
        non-empty

```



```

        if (!surahName.isEmpty() &&
!surahKey.isEmpty() &&
!contentType.isEmpty()) {
            Surah lastReadSurah = new
Surah(surahName, surahKey,
contentType);

savedSurahList.add(lastReadSurah)
;
        }

        return savedSurahList;
    }
}

```

#### 10. Lampiran Dzikir.java

```

package com.aplikasi.dzikir;

public class Dzikir {
    private String arab;
    private String terjemahan;
    private String artinya;
    private String judul;
    private String audio;

    public Dzikir() {
        // Default constructor required
for Firebase
    }

    public Dzikir(String arab, String
terjemahan, String artinya, String
judul, String audio) {
        this.arab = arab;
        this.terjemahan = terjemahan;
        this.artinya = artinya;
        this.judul = judul;
        this.audio = audio;
    }

    public String getArab() {
        return arab;
    }

    public void setArab(String arab)
{

```

```

        this.arab = arab;
    }

    public String getTerjemahan() {
        return terjemahan;
    }

    public void
setTerjemahan(String terjemahan)
{
        this.terjemahan = terjemahan;
    }

    public String getArtinya() {
        return artinya;
    }

    public void setArtinya(String
artinya) {
        this.artinya = artinya;
    }

    public String getJudul() {
        return judul;
    }

    public void setJudul(String
judul) {
        this.judul = judul;
    }

    public String getAudio() {
        return audio;
    }

    public void setAudio(String
audio) {
        this.audio = audio;
    }
}

```

#### 11. DzikirContentActivity.java

```

package com.aplikasi.dzikir;

import android.content.Intent;
import

```

```

android.content.SharedPreferences;
import android.media.MediaPlayer;
import android.net.Uri;
import android.os.Bundle;
import android.os.Handler;
import android.util.Log;
import android.view.View;
import
android.widget.ImageButton;
import android.widget.ImageView;
import android.widget.ScrollView;
import android.widget.SeekBar;
import android.widget.TextView;
import android.widget.VideoView;

```

```

import
androidx.annotation.NonNull;
import
androidx.annotation.Nullable;
import
androidx.appcompat.app.AppCompatActivity;

```

```

import
com.google.firebase.database.Data
Snapshot;
import
com.google.firebase.database.Data
baseError;
import
com.google.firebase.database.Data
baseReference;
import
com.google.firebase.database.Fireb
aseDatabase;
import
com.google.firebase.database.Value
EventListener;

```

```

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

```

```

public class DzikirContentActivity
extends AppCompatActivity {

```

```

    private DatabaseReference

```

```

mDatabase;
    private MediaPlayer
mediaPlayer;
    private String audioUrl;
    private String videourl;
    private String surahName;
    private String surahKey;
    private ImageButton playButton;
    private ImageButton
finishButton;
    private ImageButton nextButton;
    private ImageButton
previousButton;
    private SeekBar seekBar;
    private Handler handler = new
Handler();
    private DBHelper dbHelper;
    private VideoView videoView;

    private ImageButton playvideo;
    private ImageButton pausevideo;

```

```

    private List<String> surahKeys;
    private int currentSurahIndex;
    private String currentSurahKey;

```

```

    @Override
    protected void
onCreate(@Nullable Bundle
savedInstanceState) {

```

```

        super.onCreate(savedInstanceState)
;

```

```

        setContentView(R.layout.activity_d
zikir_content);

```

```

        mDatabase =
FirebaseDatabase.getInstance().get
Reference();

```

```

        Intent intent = getIntent();
        fetchSurahKeys();
        String arabicText =
intent.getStringExtra("arabic_text")
;

```

```

        String translationText =
intent.getStringExtra("translation_t
ext");
        String artinya =
intent.getStringExtra("arti_text");
        audioUrl =
intent.getStringExtra("audio_text")
;
        videourl =
intent.getStringExtra("video_text")
;
        surahName =
intent.getStringExtra("surah_name
");
        surahKey =
intent.getStringExtra("surah_key");

        String surahKeyb =
getIntent().getStringExtra("surah_k
ey");

        fetchSurahContent(surahKeyb);
        saveLastReadInfo(surahKey,
surahName, "Dzikir");

        TextView arabicTextView =
findViewById(R.id.textView_arabi
c_content);
        TextView translationTextView
=
findViewById(R.id.textView_transl
ation_content);
        TextView judul =
findViewById(R.id.juduldoa);
        TextView arti =
findViewById(R.id.textarti);
        TextView audioT =
findViewById(R.id.tulisaudio);
        TextView videoT =
findViewById(R.id.tulisvideo);
        arti.setText(artinya);

arabicTextView.setText(arabicText)
;

```

```

translationTextView.setText(transla
tionText);

audioT.setVisibility(View.GONE);

videoT.setVisibility(View.GONE);
        audioT.setText(audioUrl);

        judul.setText(surahName);

        playButton =
findViewById(R.id.button_play);

playButton.setOnClickListener(ne
w View.OnClickListener() {
        @Override
        public void onClick(View
v) {
                toggleAudio();
        }
});

        cekbtnfinish();

        seekBar =
findViewById(R.id.seekBar_audio)
;

        seekBar.setOnSeekBarChangeListe
ner(new
SeekBar.OnSeekBarChangeListener() {
        @Override
        public void
onProgressChanged(SearchBar
seekBar, int progress, boolean
fromUser) {
                if (fromUser &&
mediaPlayer != null) {

mediaPlayer.seekTo(progress);
        }
        }

        @Override
        public void

```

```
onStartTrackingTouch(SeekBar
seekBar) {}
```

```
        @Override
        public void
onStopTrackingTouch(SeekBar
seekBar) {}
    });
```

```
        ImageView iconBack =
findViewById(R.id.icon_back);
```

```
        iconBack.setOnClickListener(new
View.OnClickListener() {
```

```
            @Override
            public void onClick(View
v) {
                Intent intent = new
Intent(DzikirContentActivity.this,
list_dzikir.class);
                startActivity(intent);
                finish(); // Optional:
Mengakhiri activity saat ini jika
ingin kembali ke MainActivity
saja.
            }
        });
```

```
        nextButton =
findViewById(R.id.button_next);
```

```
        nextButton.setOnClickListener(ne
w View.OnClickListener() {
```

```
            @Override
            public void onClick(View
v) {
                showNextSurah();
            }
        });
```

```
        previousButton =
findViewById(R.id.button_previou
s);
```

```
        previousButton.setOnClickListener
(new View.OnClickListener() {
```

```
            @Override
            public void onClick(View
v) {
                showPreviousSurah();
            }
        });
```

```
        pemutarvideo();
        scrollToTop();
    }
```

```
        @Override
        protected void onResume() {
            super.onResume();
            // Periksa status tombol
            "Selesai" setiap kali aktivitas
            ditampilkan kembali
            cekbtnfinish();
        }
```

```
        private void cekbtnfinish() {
            finishButton =
findViewById(R.id.btn_selesai);
            dbHelper = new
DBHelper(this);
```

```
            boolean isSurahFinished =
dbHelper.isSurahFinished(surahNa
me);
```

```
            updateFinishButton(isSurahFinishe
d);
```

```
            finishButton.setOnClickListener(ne
w View.OnClickListener() {
```

```
                @Override
                public void onClick(View
v) {
```

```
                    finishButton.setImageResource(R.
drawable.btn_selesaipress);
```

```
                    TextView judul =
findViewById(R.id.juduldoa);
                    String surahNameJudul =
judul.getText().toString();
```

```
                    markSurahAsFinished(currentSura
```

```

hKey, surahNameJudul);

finishButton.setEnabled(false);
    }
    });
}

private void scrollToTop() {
    ScrollView scrollView =
findViewById(R.id.scrolview);
    scrollView.post(new
Runnable() {
        @Override
        public void run() {

scrollView.fullScroll(ScrollView.F
OCUS_UP);
        }
    });
}

private void fetchSurahKeys() {

mDatabase.child("dzikir").addListe
nerForSingleValueEvent(new
ValueEventListener() {
    @Override
    public void
onDataChange(@NonNull
DataSnapshot dataSnapshot) {
        surahKeys = new
ArrayList<>();
        for (DataSnapshot
snapshot :
dataSnapshot.getChildren()) {
            String surahKey =
snapshot.getKey();

surahKeys.add(surahKey);
        }

        String currentSurahKey
=
getIntent().getStringExtra("surah_k
ey");
        currentSurahIndex =

```

```

surahKeys.indexOf(currentSurahK
ey);
    }

    @Override
    public void
onCancelled(@NonNull
DatabaseError databaseError) {

Log.e("SurahContentActivity",
"Database error: " +
databaseError.getMessage());
    }
    });
}

private void pemutarvideo() {
    videoView =
findViewById(R.id.videoView);
    playvideo =
findViewById(R.id.button_play_vi
deo);
    pausevideo =
findViewById(R.id.button_pause_v
ideo);

    playvideo.setOnClickListener(new
View.OnClickListener() {
        @Override
        public void onClick(View
v) {
            playVideo();
        }
    });

    pausevideo.setOnClickListener(ne
w View.OnClickListener() {
        @Override
        public void onClick(View
v) {
            pauseVideo();
        }
    });

    if (videourl != null &&
!videourl.isEmpty()) {

```

```

        Uri videoUri =
Uri.parse(videourl);

videoView.setVideoURI(videoUri);
    }

videoView.setOnClickListener(new
View.OnClickListener() {
    @Override
    public void onClick(View
v) {
        if
(videoView.isPlaying()) {
            pauseVideo();
        } else {
            playVideo();
        }
    }
});
}

private void playVideo() {
    videoView.start();

playvideo.setVisibility(View.GONE);
}

private void pauseVideo() {
    videoView.pause();

playvideo.setVisibility(View.VISIBLE);
}

private void toggleAudio() {
    if (mediaPlayer != null &&
mediaPlayer.isPlaying()) {
        pauseAudio();
    } else {
        playAudio();
    }
}

private void playAudio() {
    if (mediaPlayer == null) {

```

```

        mediaPlayer = new
MediaPlayer();
        try {

mediaPlayer.setDataSource(audioU
rl);

mediaPlayer.prepareAsync();

mediaPlayer.setOnPreparedListene
r(new
MediaPlayer.OnPreparedListener()
{
    @Override
    public void
onPrepared(MediaPlayer mp) {
        mp.start();

mediaPlayer.setOnCompletionListe
ner(new
MediaPlayer.OnCompletionListene
r() {
    @Override
    public void
onCompletion(MediaPlayer mp) {

playButton.setImageResource(R.dr
awable.ic_play);
        }
    });

        updateSeekBar();

playButton.setImageResource(R.dr
awable.ic_pause);
        }
    });

mediaPlayer.setOnErrorListener(ne
w MediaPlayer.OnErrorListener() {
    @Override
    public boolean
onError(MediaPlayer mp, int what,
int extra) {

Log.e("SurahContentActivity",

```

```

"Error playing audio: " + what + ",
" + extra);
        return false;
    }
    });
} catch (Exception e) {
    e.printStackTrace();

Log.e("SurahContentActivity",
"Error preparing audio: " +
e.getMessage());
    }
    } else {
        mediaPlayer.start();
        updateSeekBar();

playButton.setImageResource(R.dr
awable.ic_pause);
    }
}

private void pauseAudio() {
    if (mediaPlayer != null &&
mediaPlayer.isPlaying()) {
        mediaPlayer.pause();

playButton.setImageResource(R.dr
awable.ic_play);
    }
}

private void updateSeekBar() {
    if (mediaPlayer != null) {
        int duration =
mediaPlayer.getDuration();
        seekBar.setMax(duration);
        handler.postDelayed(new
Runnable() {
            @Override
            public void run() {
                if (mediaPlayer !=
null) {
                    int currentPosition =
mediaPlayer.getCurrentPosition();

seekBar.setProgress(currentPositio

```

```

n);
        }

handler.postDelayed(this, 1000);
        }
    }, 1000);
    }
}

private void
markSurahAsFinished(String
surahKey, String surahName) {

dbHelper.markSurahAsFinished(su
rahKey, surahName);
    }

private void
fetchSurahContent(final String
surahKey) {
    if (surahKey != null) { //
Pastikan surahKey tidak null
sebelum digunakan

mDatabase.child("dzikir").child(sur
ahKey).addListenerForSingleValue
Event(new ValueEventListener() {
        @Override
        public void
onDataChange(@NonNull
DataSnapshot dataSnapshot) {

            String arabicText =
dataSnapshot.child("arab").getValu
e(String.class);
            String translationText
=
dataSnapshot.child("terjemahan").g
etValue(String.class);
            String audioUrl =
dataSnapshot.child("audio").getVal
ue(String.class);
            String videoUrl =
dataSnapshot.child("video").getVal
ue(String.class);
            String artiText =

```

```

dataSnapshot.child("artinya").getValue(String.class);
        String judultext =
dataSnapshot.child("judul").getValue(String.class);

saveLastReadInfo(surahKey,
judultext, "Dzikir");

displaySurahContent(arabicText,
translationText, audioUrl,
videoUrl, artiText, judultext);

        boolean
isSurahFinished =
dbHelper.isSurahFinished(judultext
);

updateFinishButton(isSurahFinished);

        currentSurahKey =
surahKey;
    }

    @Override
    public void
onCancelled(@NonNull
DatabaseError databaseError) {
        // Tindakan yang
diambil saat pembatalan
    }
    });
    } else {

Log.e("DzikirContentActivity",
"Surah key is null");
    }
}

    private void
saveLastReadInfo(String key,
String name, String contentType) {
        SharedPreferences
sharedPreferences =

```

```

getSharedPreferences("MyPrefs",
MODE_PRIVATE);
        SharedPreferences.Editor
editor = sharedPreferences.edit();

editor.putString("last_read_key",
key);

editor.putString("last_read_name",
name);

editor.putString("last_read_content
_type", contentType); //
Tambahkan informasi tipe konten
        editor.apply();
    }
    private void
displaySurahContent(String
arabicText, String translationText,
String audioUrl, String videoUrl,
String artiText, String judultext) {
        TextView arabicTextView =
findViewById(R.id.textView_arabi
c_content);
        TextView translationTextView
=
findViewById(R.id.textView_transl
ation_content);
        TextView judul =
findViewById(R.id.juduldoa);
        TextView arti =
findViewById(R.id.textarti);
        TextView audioT =
findViewById(R.id.tulisaudio);
        TextView videoT =
findViewById(R.id.tulisvideo);
        arti.setText(artiText);

arabicTextView.setText(arabicText)
;

translationTextView.setText(transla
tionText);
        judul.setText(judultext);

```



```
ImageButton playButton =
findViewById(R.id.button_play); //
Assuming ic_play is the ID of your
play button
```

```

playButton.setOnClickListener(  

    new View.OnClickListener() {  

        @Override  

        public void onClick(View  

            v) {  

            // Memeriksa apakah  

            audio sedang diputar atau tidak  

            if (mediaPlayer != null  

                && mediaPlayer.isPlaying()) {  

                pauseAudio(); // Jika  

                sedang diputar, jeda audio  

            } else {  

                // Jika tidak sedang  

                diputar, memeriksa URL audio dan  

                memutar audio dari URL tersebut  

                String url =  

                audioT.getText().toString();  

                if (url != null &&  

                    !url.isEmpty()) {  

                    playAudioFromUrl(url);  

                }  

            }  

        }  

    });

```

```
// Memutar video jika URL
video tidak kosong
if (videoUrl != null &&
!videoUrl.isEmpty()) {

playVideoFromUrl(videoUrl);
}
}
```

```
private void
playVideoFromUrl(String
videoUrl) {

    videoView =
findViewById(R.id.videoView);
```

```
playvideo =
findViewById(R.id.button_play_vi
deo);
```

```
        pausevideo =
        findViewById(R.id.button_pause_v
        ideo);
```

```
playvideo.setOnClickListener(new
View.OnClickListener() {
    @Override
    public void onClick(View
v) {
        playVideo();
    }
});
```

```

pausevideo.setOnClickListener(ne
w View.OnClickListener() {
    @Override
    public void onClick(View
v) {
        pauseVideo();
    }
});

```

```

        if (videoUrl != null &&
            !videoUrl.isEmpty()) {
            Uri videoUri =
            Uri.parse(videoUrl);

```

```
videoView.setVideoURI(videoUri);
}
```

```
videoView.setOnClickListener(new
View.OnClickListener() {
    @Override
    public void onClick(View
v) {
        if
(videoView.isPlaying()) {
            pauseVideo();
        } else {
            playVideo();
        }
    }
})
```

```

    });
}

private void
playAudioFromUrl(String
audioUrl) {
    mediaPlayer = new
MediaPlayer();
    try {

mediaPlayer.setDataSource(audioU
rl);

mediaPlayer.prepareAsync();

mediaPlayer.setOnPreparedListene
r(new
MediaPlayer.OnPreparedListener()
{
    @Override
    public void
onPrepared(MediaPlayer mp) {
        mp.start();

mediaPlayer.setOnCompletionListe
ner(new
MediaPlayer.OnCompletionListene
r() {
        @Override
        public void
onCompletion(MediaPlayer mp) {
            // Handle
completion if needed

playButton.setImageResource(R.dr
awable.ic_play); // Reset play
button icon
        }
    });
    updateSeekBar();

playButton.setImageResource(R.dr
awable.ic_pause); // Change play
button icon to pause when audio
starts playing
    }
}

```

```

    });

mediaPlayer.setOnErrorListener(ne
w MediaPlayer.OnErrorListener() {
    @Override
    public boolean
onError(MediaPlayer mp, int what,
int extra) {

Log.e("SurahContentActivity",
"Error playing audio: " + what + ",
" + extra);

        return false;
    }
});
} catch (Exception e) {
    e.printStackTrace();

Log.e("SurahContentActivity",
"Error preparing audio: " +
e.getMessage());
}
}

private void
updateFinishButton(boolean
isFinished) {
    if (isFinished) {

finishButton.setImageResource(R.
drawable.btn_selesaipress);

finishButton.setEnabled(false);
    } else {

finishButton.setImageResource(R.
drawable.btn_selesai);

finishButton.setEnabled(true);
    }
}

private void showNextSurah() {
    stopAudio();
    stopVideo();
    scrollToTop();
}

```

```

        if (currentSurahIndex <
surahKeys.size() - 1) {
            currentSurahIndex++;
            String nextSurahKey =
surahKeys.get(currentSurahIndex);

fetchSurahContent(nextSurahKey);
        // Mengupdate status
        tombol "Selesai"

        updateFinishButton(dbHelper.isSur
ahFinished(surahName));
    }
}

```

```

private void
showPreviousSurah() {
    stopAudio();
    stopVideo();
    scrollToTop();
    if (currentSurahIndex > 0) {
        currentSurahIndex--;
        String previousSurahKey =
surahKeys.get(currentSurahIndex);

        fetchSurahContent(previousSurah
Key);
        // Mengupdate status
        tombol "Selesai"

        updateFinishButton(dbHelper.isSur
ahFinished(surahName));
    }
}

```

```

@Override
protected void onStop() {
    super.onStop();
    if (mediaPlayer != null) {
        mediaPlayer.release();
        mediaPlayer = null;
    }
}

```

```

private void stopAudio() {

```

```

        if (mediaPlayer != null &&
mediaPlayer.isPlaying()) {
            mediaPlayer.stop();
            mediaPlayer.release();
            mediaPlayer = null;
        }
    }

    private void stopVideo() {
        if (videoView != null &&
videoView.isPlaying()) {
            videoView.stopPlayback();
        }
    }
}

```

## 12. Lampiran home.java

```

package com.aplikasi.dzikir;

import android.content.Intent;
import
android.content.SharedPreferences;
import android.os.Bundle;
import android.view.View;
import
android.widget.ImageButton;
import android.widget.TextView;

import
androidx.appcompat.app.AlertDial
og;
import
androidx.appcompat.app.AppComp
atActivity;

import
com.aplikasi.dzikir.admin.AddSura
hActivity;
import
com.aplikasi.dzikir.admin.LoginAc
tivity;
import
com.google.firebase.database.Data
baseReference;
import
com.google.firebase.database.Fireb

```

```

aseDatabase;

import java.util.List;

public class home extends
AppCompatActivity {
    private AlertDialog alertDialog;
    private DatabaseReference
databaseReferencePagi,
databaseReferencePetang,
databaseReferenceBadah,
databaseReferenceSurah;

    @Override
    protected void onCreate(Bundle
savedInstanceState) {

super.onCreate(savedInstanceState)
;

setContentView(R.layout.activity_h
ome);

        databaseReferencePagi =
FirebaseDatabase.getInstance().get
Reference().child("pagi").child("m
onitor");
        databaseReferencePetang =
FirebaseDatabase.getInstance().get
Reference().child("petang").child("
monitor");
        databaseReferenceBadah =
FirebaseDatabase.getInstance().get
Reference().child("badah").child("
monitor");
        databaseReferenceSurah =
FirebaseDatabase.getInstance().get
Reference().child("surah").child("
monitor");

    }

    public void viewDoa(View
view) {
        Intent intent = new Intent(this,
MainActivity.class);
        startActivity(intent);
    }

    public void viewDzikir(View
view) {
        Intent intent = new Intent(this,
homedzikirActivity.class);
        startActivity(intent);
    }

    public void
viewMonitoring(View view) {
        Intent intent = new Intent(this,
LihatDataActivity.class);
        startActivity(intent);
    }

    public void viewBookmar(View
view) {
        Intent intent = new Intent(this,
BookmarkActivity.class);
        startActivity(intent);
    }

    public void viewLogin(View
view) {
        Intent intent = new Intent(this,
LoginActivity.class);
        startActivity(intent);
    }

    public void viewReset(View
view) {
        showCustomAlertDialog();
    }

    private void
showCustomAlertDialog() {
        AlertDialog.Builder builder =
new AlertDialog.Builder(this);
        View dialogView =
getLayoutInflater().inflate(R.layout
.custom_alert_dialog, null);
        builder.setView(dialogView);

        TextView textViewTitle =
dialogView.findViewById(R.id.text
ViewTitle);

        textViewTitle.setText("Konfirmasi

```

```

Reset");

        TextView textViewMessage =
dialogView.findViewById(R.id.text
ViewMessage);

        textViewMessage.setText("Apakah
Anda yakin ingin mereset data?");

        ImageButton imageButtonYes
=
dialogView.findViewById(R.id.ima
geButtonYes);

        imageButtonYes.setOnClickListener(
new View.OnClickListener() {
            @Override
            public void onClick(View
v) {
                reset(); // Lakukan reset
jika pengguna menekan "Ya"
                alertDialog.dismiss(); //
Tutup dialog setelah melakukan
reset
            }
        });

        ImageButton imageButtonNo
=
dialogView.findViewById(R.id.ima
geButtonNo);

        imageButtonNo.setOnClickListener(
new View.OnClickListener() {
            @Override
            public void onClick(View
v) {
                alertDialog.dismiss(); //
Tutup dialog jika pengguna
menekan "Tidak"
            }
        });

        alertDialog = builder.create();
        alertDialog.show();

```

```

}

        public void reset() {

            databaseReferencePagi.removeVal
ue();

            databaseReferencePetang.removeV
alue();

            databaseReferenceBadah.removeV
alue();

            databaseReferenceSurah.removeVa
lue();
        }
    }

```

### 13. Lampiran homeDzikirActivity.java

```

package com.aplikasi.dzikir;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.ImageView;

import
androidx.appcompat.app.AlertDial
og;
import
androidx.appcompat.app.AppComp
atActivity;

public class homedzikirActivity
extends AppCompatActivity {
    private AlertDialog alertDialog;
    @Override
    protected void onCreate(Bundle
savedInstanceState) {

        super.onCreate(savedInstanceState)
;

```

```

setContentView(R.layout.activity_h
omedzikir);

    }

    public void viewPagi(View
view) {
        Intent intent = new Intent(this,
tampilPagiActivity.class);
        startActivity(intent);
    }

    public void viewPetang(View
view) {
        Intent intent = new Intent(this,
tampilPetangActivity.class);
        startActivity(intent);
    }
    public void viewBada(View
view) {
        Intent intent = new Intent(this,
tampilBadahActivity.class);
        startActivity(intent);
    }
    public void pressback(View
view) {
        Intent intent = new Intent(this,
home.class);
        startActivity(intent);
    }
}

```

#### 14. Lampiran MainActivity.Java

```

package com.aplikasi.dzikir;

import static
android.content.ContentValues.TAG;

import android.content.Intent;
import android.os.Bundle;
import android.text.Editable;
import android.text.TextWatcher;
import android.util.Log;
import android.view.View;
import android.widget.Button;

```

```

import android.widget.EditText;
import android.widget.ImageView;
import
android.widget.LinearLayout;
import
android.widget.ProgressBar;
import android.widget.Toast;

import
androidx.annotation.NonNull;
import
androidx.appcompat.app.AppComp
atActivity;

import
com.google.android.gms.tasks.OnC
ompleteListener;
import
com.google.android.gms.tasks.Task
;
import
com.google.firebase.database.Data
Snapshot;
import
com.google.firebase.database.Data
baseError;
import
com.google.firebase.database.Data
baseReference;
import
com.google.firebase.database.Fireb
aseDatabase;
import
com.google.firebase.database.Value
EventListener;
import
com.google.firebase.messaging.Fir
ebaseMessaging;

```

```

public class MainActivity extends
AppCompatActivity {

    private DatabaseReference
mDatabase;
    private LinearLayout
linearLayout;

```

```

private ProgressBar progressBar;
private DBHelper dbHelper;
@Override
protected void onCreate(Bundle
savedInstanceState) {

super.onCreate(savedInstanceState)
;

setContentView(R.layout.activity_
main);

// Initialize views
linearLayout =
findViewById(R.id.linear_layout);
progressBar =
findViewById(R.id.progressBar);

// Initialize Firebase database
mDatabase =
FirebaseDatabase.getInstance().get
Reference();

// Fetch data from Firebase
fetchDataFromFirebase();

// Inisialisasi DBHelper
dbHelper = new
DBHelper(this);
// Search functionality
EditText editTextSearch =
findViewById(R.id.editText_search
);

editTextSearch.addTextChangedLis
tener(new TextWatcher() {
@Override
public void
beforeTextChanged(CharSequence
s, int start, int count, int after) {}

@Override
public void
onTextChanged(CharSequence s,
int start, int before, int count) {
String searchText =

```

```

s.toString().toLowerCase();
filterSurah(searchText);
}

@Override
public void
afterTextChanged(Editable s) {}
});

ImageView iconBack =
findViewById(R.id.icon_back);

iconBack.setOnClickListener(new
View.OnClickListener() {
@Override
public void onClick(View
v) {
Intent intent = new
Intent(MainActivity.this,
home.class);
startActivity(intent);
finish(); // Optional:
Mengakhiri activity saat ini jika
ingin kembali ke MainActivity
saja.
}
});

FirebaseMessaging.getInstance().g
etToken()

.addOnCompleteListener(new
OnCompleteListener<String>() {
@Override
public void
onComplete(@NonNull
Task<String> task) {
if
(!task.isSuccessful()) {
Log.w(TAG,
"Fetching FCM registration token
failed", task.getException());
return;
}
}
}

```

```

        // Get new FCM
        registration token
        String token =
        task.getResult();

        // Log and toast
        String msg =
        getString(R.string.msg_token_fmt,
        token);
        Log.d(TAG, msg);

        Toast.makeText(MainActivity.this,
        msg,
        Toast.LENGTH_SHORT).show();
    }

    private void
    fetchDataFromFirebase() {
        // Show ProgressBar while
        data is being fetched

        progressBar.setVisibility(View.VISI
        BLE);

        // Fetch data from the 'surah'
        node in Firebase Database

        mDatabase.child("surah").addListe
        nerForSingleValueEvent(new
        ValueEventListener() {
            @Override
            public void
            onDataChange(@NonNull
            DataSnapshot dataSnapshot) {
                // Hide ProgressBar after
                data is fetched

                progressBar.setVisibility(View.GO
                NE);

                for (DataSnapshot
                surahSnapshot :
                dataSnapshot.getChildren()) {

```

```

                // Get judul of surah
                String surahJudul =
                surahSnapshot.child("judul").getVa
                lue(String.class);
                if (surahJudul != null)
                {

                addButtonToLayout(surahJudul,
                surahSnapshot.getKey());
                }
                }
            }

            @Override
            public void
            onCancelled(@NonNull
            DatabaseError databaseError) {
                // Hide ProgressBar if
                there is an error fetching data

                progressBar.setVisibility(View.GO
                NE);

                Log.d("MainActivity",
                "onCancelled",
                databaseError.toException());
            }
        });
    }

    private void
    addButtonToLayout(final String
    surahName, final String surahKey)
    {
        Button button = new
        Button(this);
        button.setText(surahName);

        button.setOnClickListener(new
        View.OnClickListener() {
            @Override
            public void onClick(View
            v) {

                showSurahContent(surahKey,
                surahName);

```



```

        }
    });

    linearLayout.addView(button);
}

private void
showSurahContent(String
surahKey, String surahName) {
    // Show ProgressBar while
    content is being loaded

    progressBar.setVisibility(View.VISI
BLE);

    // Fetch surah content from
    Firebase Database

    mDatabase.child("surah").child(sur
ahKey).addListenerForSingleValue
Event(new ValueEventListener() {
        @Override
        public void
onDataChange(@NonNull
DataSnapshot dataSnapshot) {
            String arabicText =
dataSnapshot.child("arab").getValu
e(String.class);
            String audioText =
dataSnapshot.child("audio").getVal
ue(String.class);
            String videoText =
dataSnapshot.child("video").getVal
ue(String.class);
            String artiText =
dataSnapshot.child("artinya").getV
alue(String.class);
            if (arabicText != null &&
audioText != null) {
                // Hide ProgressBar
                after content is loaded

                progressBar.setVisibility(View.GO
NE);

                // Start

```

SurahContentActivity with surah  
content

```

        Intent intent = new
Intent(MainActivity.this,
SurahContentActivity.class);

        intent.putExtra("arabic_text",
arabicText);

        intent.putExtra("audio_text",
audioText);

        intent.putExtra("video_text",
videoText);

        intent.putExtra("arti_text",
artiText);

        intent.putExtra("surah_name",
surahName);

        intent.putExtra("surah_key",
surahKey); // Pass the name of the
surah to SurahContentActivity
        startActivity(intent);

        } else {
            Log.d("MainActivity",
"Surah content is null");
        }
    }

    @Override
    public void
onCancelled(@NonNull
DatabaseError databaseError) {
        // Hide ProgressBar if
        there is an error fetching surah
        content

        progressBar.setVisibility(View.GO
NE);

        Log.d("MainActivity",
"onCancelled",
databaseError.toException());

```

```

    }
    });
}

private void filterSurah(String
searchText) {
    for (int i = 0; i <
linearLayout.getChildCount(); i++)
    {
        View view =
linearLayout.getChildAt(i);
        if (view instanceof Button)
        {
            Button button = (Button)
view;
            String surahName =
button.getText().toString().toLower
Case();
            if
(surahName.contains(searchText.to
LowerCase())) {

button.setVisibility(View.VISIBLE)
;

            } else {

button.setVisibility(View.GONE);
            }
        }
    }
}
}

```

#### 15. Lampiran MonitoringActivity.java

```

package com.aplikasi.dzikir;

import android.os.Bundle;
import android.util.Log;
import
android.widget.ArrayAdapter;
import android.widget.ListView;

import
androidx.annotation.NonNull;
import
androidx.annotation.Nullable;

```

```

import
androidx.appcompat.app.AppCompatActivity;

```

```

import
com.google.firebase.database.Data
Snapshot;
import
com.google.firebase.database.Data
baseError;
import
com.google.firebase.database.Data
baseReference;
import
com.google.firebase.database.Fireb
aseDatabase;
import
com.google.firebase.database.Value
EventListener;

```

```

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

```

```

public class MonitoringActivity
extends AppCompatActivity {

```

```

    private DatabaseReference
mDatabase;
    private ListView listView;
    private List<String>
completedDoas;

```

```

    @Override
    protected void
onCreate(@Nullable Bundle
savedInstanceState) {

```

```

        super.onCreate(savedInstanceState)
;

```

```

        setContentView(R.layout.activity_
monitoring);

```

```

        // Initialize Firebase database
        mDatabase =
FirebaseDatabase.getInstance().get

```

```

Reference();

// Initialize ListView
listView =
findViewById(R.id.listView_compl
eted_doas);
completedDoas = new
ArrayList<>();

// Fetch completed doas from
Firebase
fetchCompletedDoas();
}

private void
fetchCompletedDoas() {
// Fetch completed doas from
the database

mDatabase.child("MonitoringIbada
h").child("userId").child("DoaSeles
ai").addListenerForSingleValueEve
nt(new ValueEventListener() {
@Override
public void
onDataChange(@NonNull
DataSnapshot dataSnapshot) {
for (DataSnapshot
snapshot :
dataSnapshot.getChildren()) {
String doaName =
snapshot.getKey();
Boolean completed =
snapshot.getValue(Boolean.class);
if (completed != null
&& completed) {
completedDoas.add(doaName);
}
}
}

// Display completed
doas in the ListView
displayCompletedDoas();
}

```

```

@Override
public void
onCancelled(@NonNull
DatabaseError databaseError) {

Log.e("MonitoringActivity", "Error
fetching completed doas: " +
databaseError.getMessage());
}
});
}

private void
displayCompletedDoas() {
    ArrayAdapter<String> adapter
= new ArrayAdapter<>(this,
android.R.layout.simple_list_item_
1, completedDoas);
    listView.setAdapter(adapter);
}
}

```

## 16. Lampiran build.gradle

```

plugins {
    id 'com.android.application'
    id 'com.google.gms.google-
services'
}

android {
    namespace 'com.aplikasi.dzikir'
    compileSdk 34

    defaultConfig {
        applicationId
"com.aplikasi.dzikir"
        minSdk 21
        targetSdk 34
        versionCode 1
        versionName "1.0"

        testInstrumentationRunner
"androidx.test.runner.AndroidJUnit
Runner"
    }
}

```

```

buildTypes {
    release {
        minifyEnabled false
        proguardFiles
getDefaultProguardFile('proguard-
android-optimize.txt'), 'proguard-
rules.pro'
    }
}
compileOptions {
    sourceCompatibility
JavaVersion.VERSION_1_8
    targetCompatibility
JavaVersion.VERSION_1_8
}
buildFeatures {
    viewBinding true
}
packagingOptions {
    exclude 'META-
INF/INDEX.LIST'
    exclude 'META-
INF/DEPENDENCIES'
}
}

dependencies {

    implementation
'androidx.appcompat:appcompat:1.
6.1'

    implementation
'com.google.android.material:mater
ial:1.11.0'

    implementation
'androidx.constraintlayout:constrai
ntlayout:2.1.4'

    implementation
'com.google.firebase:firebase-
database:20.3.1'

    implementation
'com.google.firebase:firebase-
auth:22.3.1'

    implementation
'com.google.firebase:firebase-
messaging:23.4.1'

```

```

    implementation
'androidx.annotation:annotation:1.6
.0'

    implementation
'androidx.lifecycle:lifecycle-
livedata-ktx:2.7.0'

    implementation
'androidx.lifecycle:lifecycle-
viewmodel-ktx:2.7.0'

    testImplementation
'junit:junit:4.13.2'

    androidTestImplementation
'androidx.test.ext:junit:1.1.5'

    androidTestImplementation
'androidx.test.espresso:espresso-
core:3.5.1'

    implementation
'com.google.android.material:mater
ial:1.5.0'

    implementation
platform('com.google.firebase:fireb
ase-bom:32.1.0')

    implementation
'com.google.firebase:firebase-
messaging'

    implementation
'com.google.firebase:firebase-
analytics'

    implementation
'com.google.firebase:firebase-
messaging-directboot:20.2.0'

    implementation
'com.google.firebase:firebase-
database:21.0.0'

    implementation
'com.google.mlkit:translate:17.0.2'
//    implementation
'com.ibm.icu:icu4j:69.1'

    implementation
'com.ibm.icu:icu4j:72.1'

    implementation
'com.google.cloud:google-cloud-
translate:2.3.0'

    implementation

```

'org.apache.commons:commons-text:1.10.0'

implementation  
'com.google.android.gms:play-services-auth:20.1.0'

implementation 'com.google.api-client:google-api-client-android:1.33.0'

implementation  
'com.squareup.okhttp3:okhttp:4.9.1',

implementation  
'com.squareup.okhttp3:logging-interceptor:4.9.1'

implementation  
'com.github.PhilJay:MPAndroidChart:v3.1.0'  
}