

Lampiran Source Code:

```
package com.unugha.unughaapp.menuAdmin;

import android.os.Bundle;
import android.view.View; import
android.widget.Button; import
android.widget.EditText; import
android.widget.Toast;

import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;

import com.unugha.unughaapp.R;
import com.unugha.unughaapp.helper.FirebaseHelperLapangan; import
com.unugha.unughaapp.helper.Util;
import com.unugha.unughaapp.model.Lapangan;

import java.text.SimpleDateFormat;
import java.util.Date;

public class TambahLapanganActivity extends AppCompatActivity {
    private EditText etLapanganName, etLatitude, etLongitude, etAdminId, etAlamat, etHargaWeekday,
    etHargaWeekend, etNamaBank, etNoRekening, etAtasNama;
    private Button btnAddLapangan;
    private FirebaseHelperLapangan firebaseHelperLapangan;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_tambah_lapangan);
        Util.setToolbar(this, "Tambah Lapangan");

        // Initialize FirebaseHelperLapangan firebaseHelperLapangan =
        new FirebaseHelperLapangan();

        // Bind UI elements
        etLapanganName = findViewById(R.id.etLapanganName); etLatitude =
        findViewById(R.id.etLatitude);
        etLongitude = findViewById(R.id.etLongitude);
```

```

etAdminId = findViewById(R.id.etAdminId);
etAlamat = findViewById(R.id.etAlamat);
etHargaWeekday = findViewById(R.id.etHargaWeekday);
etHargaWeekend = findViewById(R.id.etHargaWeekend);
btnAddLapangan = findViewById(R.id.btnAddLapangan);
etNamaBank = findViewById(R.id.etNamaBank);
etNoRekening = findViewById(R.id.etNoRekening);
etAtasNama = findViewById(R.id.etAtasNama);

// Set button click listener btnAddLapangan.setOnClickListener(new
View.OnClickListener() {
    @Override
    public void onClick(View view) {
        // Get input values
        String name = etLapanganName.getText().toString();
        Double latitude = Double.parseDouble(etLatitude.getText().toString()); Double
        longitude = Double.parseDouble(etLongitude.getText().toString()); String
        idAdmin = etAdminId.getText().toString();
        String alamat = etAlamat.getText().toString();
        Integer e = Integer.parseInt(etHargaWeekend.getText().toString());
        Integer w = Integer.parseInt(etHargaWeekday.getText().toString()); String
        namaBank = etNamaBank.getText().toString();
        String noRekening = etNoRekening.getText().toString();
        String atasNama = etAtasNama.getText().toString();

        Date currentDate = new Date();
        SimpleDateFormat formatter = new SimpleDateFormat("yyyy-MM-dd HH:mm");
        String dateTimeAsString = formatter.format(currentDate);

        // Create new Lapangan object
        Lapangan lapangan = new Lapangan(name, latitude, longitude, idAdmin, alamat,
        null,e,w,namaBank,noRekening,atasNama,dateTimeAsString);

        // Add Lapangan to Firebase
        firebaseHelperLapangan.addLapangan(lapangan, new
        FirebaseHelperLapangan.FirebaseCallback() {
            @Override
            public void onSuccess(Object result) {
                onBackPressed();
                Toast.makeText(TambahLapanganActivity.this, "Lapangan Berhasil Di tambahkan!",
                Toast.LENGTH_SHORT).show();
            }
        })

        @Override

```

```

        public void onFailure(Exception e) { Toast.makeText(TambahLapanganActivity.this,
            "Error: " + e.getMessage(),
            Toast.LENGTH_SHORT).show();
        }

    });

}

});

}

}

```

#Jadwal Lapang

```
package com.unugha.unughaapp.menuAdmin;
```

```
import android.app.ProgressDialog;
```

```
import android.os.Bundle;
```

```
import android.widget.Toast;
```

```
import androidx.appcompat.app.AppCompatActivity; import
```

```
androidx.recyclerview.widget.LinearLayoutManager; import
```

```
androidx.recyclerview.widget.RecyclerView;
```

```
import com.unugha.unughaapp.R;
```

```
import com.unugha.unughaapp.adapter.TransaksiAdapter; import
```

```
com.unugha.unughaapp.helper.Constants;
```

```
import com.unugha.unughaapp.helper.FirebaseHelperTransaksi; import
```

```
com.unugha.unughaapp.helper.See;
```

```
import com.unugha.unughaapp.helper.SharedPreferencesHelper; import
```

```
com.unugha.unughaapp.helper.Util;
```

```
import com.unugha.unughaapp.menuUser.BookingActivity; import
```

```
com.unugha.unughaapp.model.Payment;
```

```
import com.unugha.unughaapp.model.Transaksi;
```

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

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

```
public class JadwalLapanganActivity extends AppCompatActivity { private
```

```
RecyclerView rvJadwalLapangan;  
private FirebaseHelperTransaksi firebaseHelperTransaksi;
```

```

private TransaksiAdapter transaksiAdapter;
private SharedPreferencesHelper sharedPreferencesHelper; private
List<Transaksi> transaksiList;
private ProgressDialog progressDialog;

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_jadwal_lapangan); Util.setToolbar(this,
    "Jadwal Lapangan");

    progressDialog = new ProgressDialog(this);
    progressDialog.setMessage("Loading...");

    rvJadwalLapangan = findViewById(R.id.rvJadwalLapangan);
    firebaseHelperTransaksi = new FirebaseHelperTransaksi(); sharedPreferencesHelper =
    new SharedPreferencesHelper(this);

    rvJadwalLapangan.setLayoutManager(new LinearLayoutManager(this));
    transaksiList = new ArrayList<>();
    transaksiAdapter = new TransaksiAdapter(this,transaksiList);
    rvJadwalLapangan.setAdapter(transaksiAdapter);

    String iduser = sharedPreferencesHelper.getString(Constants.PREF_KEY_NOTELEPON,
    null);

    loadJadwalLapangan(iduser,"SUKSES");

}

private void loadJadwalLapangan(String idUser, String status) { progressDialog.show();
    firebaseHelperTransaksi.getAllTransaksiByStatus(idUser, status, new
    FirebaseHelperTransaksi.FirebaseCallback() {

        @Override
        public void onSuccess(Object result) {
            progressDialog.dismiss();
            See.log("result data jadwal lapangan "+result.toString());
        }
    }
}

```

```

        List<Transaksi> transaksiList = (List<Transaksi>) result; See.log("transaksiList
        "+transaksiList.toString());

        if (transaksiList != null && !transaksiList.isEmpty()) {
            transaksiAdapter.updateData(transaksiList); // Update the RecyclerView adapter
with the fetched payments
        } else {
            // Handle the case where no payments are found
            Toast.makeText(JadwalLapanganActivity.this, "No Jadwal lapangan found for this
user", Toast.LENGTH_SHORT).show();
            transaksiAdapter.updateData(new ArrayList<>());
        }
    }

    @Override
    public void onFailure(Exception e) {
        progressDialog.dismiss();
        See.log("Failed to fetch jadwal lapangan: " + e.getMessage());
        Toast.makeText(JadwalLapanganActivity.this, "Failed to load jadwal lapangan",
Toast.LENGTH_SHORT).show();

    }

});

}

}

#User activity

package com.unugha.unughaapp.menuUser;

import android.content.Intent;
import android.os.Bundle;
import android.widget.LinearLayout;
import android.widget.Toast;

import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
import androidx.appcompat.widget.Toolbar;
import androidx.core.graphics.Insets; import
androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;
import androidx.recyclerview.widget.GridLayoutManager;

```

```
import androidx.recyclerview.widget.RecyclerView;
```

```

import com.unugha.unughaapp.ProfilActivity;
import com.unugha.unughaapp.R;
import com.unugha.unughaapp.SplashActivity;
import com.unugha.unughaapp.adapter.MenuAdapter; import
com.unugha.unughaapp.model.MenuItem;

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

public class MenuUserActivity extends AppCompatActivity { private
    RecyclerView recyclerView;
    private MenuAdapter menuAdapter; private
    List<MenuItem> menuItems;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_menu_user);

        recyclerView = findViewById(R.id.recyclerView);
        menuItems = new ArrayList<>();

        menuItems.add(new MenuItem(R.drawable.profil, "Profil",1)); // Ganti dengan ikon yang sesuai
        menuItems.add(new MenuItem(R.drawable.maps, "Daftar Lokasi",2)); menuItems.add(new
        MenuItem(R.drawable.lokasi, "Lokasi Terdekat & Navigasi",3)); menuItems.add(new
        MenuItem(R.drawable.reservasi, "Data Reservasi",4)); menuItems.add(new
        MenuItem(R.drawable.tagihan, "Tagihan",5)); menuItems.add(new
        MenuItem(R.drawable.bantuan, "Bantuan",6));

        menuAdapter = new MenuAdapter(menuItems); recyclerView.setLayoutManager(new
        GridLayoutManager(this, 2)); // Grid 2 kolom recyclerView.setAdapter(menuAdapter);

        menuAdapter.setOnItemClickListener(new MenuAdapter.OnItemClickListener() { @Override
        public void onItemClick(int position) {
            MenuItem menuItem = menuItems.get(position);

            switch (menuItem.getPosition()) { case
            1:
                Intent intent = new Intent(MenuUserActivity.this, ProfilActivity.class);

```

```

        startActivity(intent);
        break;
    case 2:
        Intent intentloc = new Intent(MenuUserActivity.this, LokasiActivity.class);
        startActivity(intentloc);
        break;
    case 3:
        Intent intentMaps = new Intent(MenuUserActivity.this, NavigationActivity.class);
        startActivity(intentMaps);
        break;
    case 4:
        Intent intentBooking = new Intent(MenuUserActivity.this, BookingActivity.class);
        startActivity(intentBooking);
        break;
    case 5:
        Intent intentTagihan = new Intent(MenuUserActivity.this, TagihanActivity.class);
        startActivity(intentTagihan);
        break;
    case 6:
        Intent intentBantuan = new Intent(MenuUserActivity.this, BantuanActivity.class);
        startActivity(intentBantuan);
        break;
    default:
        break;
    }
}

});
}
}

#Navigasi Activity
package com.unugha.unughaapp.menuUser;

import android.Manifest; import
import android.content.Intent;
import android.content.pm.PackageManager;
import android.os.Bundle;
import android.webkit.GeolocationPermissions;
import android.webkit.JavascriptInterface; import
import android.webkit.WebChromeClient; import
import android.webkit.WebSettings;
import android.webkit.WebView;

```

```
import android.webkit.WebViewClient; import
android.widget.Toast;
```

```
import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.app.ActivityCompat;
import androidx.core.content.ContextCompat;
```

```
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
com.unugha.unughaapp.R;
import com.unugha.unughaapp.helper.Constants;
import com.unugha.unughaapp.helper.See; import
com.unugha.unughaapp.helper.Util;
```

```
public class NavigationActivity extends AppCompatActivity { private
    WebView webView;
    private DatabaseReference databaseReference;
    private static final int LOCATION_PERMISSION_REQUEST_CODE = 1; @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_navigation);
        Util.setToolbar(this, "Lokasi Terdekat & Navigasi Waypoint");

        if (ContextCompat.checkSelfPermission(this, Manifest.permission.ACCESS_FINE_LOCATION)
            != PackageManager.PERMISSION_GRANTED) {
            // Minta izin lokasi
            ActivityCompat.requestPermissions(this,
                new String[]{Manifest.permission.ACCESS_FINE_LOCATION},
                LOCATION_PERMISSION_REQUEST_CODE);
        } else {
            // Izin sudah diberikan, bisa menginisialisasi WebView
            // Inisialisasi WebView
            webView = findViewById(R.id.webview); WebSettings
            webSettings = webView.getSettings();
            webSettings.setJavaScriptEnabled(true);
            webSettings.setDomStorageEnabled(true); // Ensure local storage is available
            webView.setWebChromeClient(new WebChromeClient()); webView.setWebViewClient(new
            WebViewClient());
```

```

// Tambahkan interface JavaScript untuk menangani klik pada marker
webView.addJavascriptInterface(new WebAppInterface(), "Android");

// Memuat file HTML dan menunggu sampai selesai di-load webView.setWebViewClient(new
WebViewClient() {
    @Override
    public void onPageFinished(Webview view, String url) {
        // Halaman WebView selesai dimuat, sekarang bisa menambah marker
        loadMarkersFromFirebase();
    }
});

// Memuat halaman peta
webView.loadUrl("file:///android_asset/leaflet_map.html");

// Inisialisasi Firebase Database
databaseReference = FirebaseDatabase.getInstance().getReference("lapangan");

webSettings.setGeolocationEnabled(true);

webView.setWebChromeClient(new WebChromeClient() {
    @Override
    public void onGeolocationPermissionsShowPrompt(String origin,
GeolocationPermissions.Callback callback) {
        callback.invoke(origin, true, false); // Izinkan geolocation
    }
});

}

}

// Method untuk mendapatkan data dari Firebase dan menambahkan marker setelah halaman selesai
dimuat
private void loadMarkersFromFirebase() {
    databaseReference.addValueEventListener(new ValueEventListener() {
        @Override
        public void onDataChange(@NonNull final DataSnapshot dataSnapshot) { runOnUiThread(new
Runnable() {
            @Override public
            void run() {
                for (DataSnapshot snapshot : dataSnapshot.getChildren()) {
                    Double latitude = snapshot.child("latitude").getValue(Double.class);

```

```

        Double longitude = snapshot.child("longitude").getValue(Double.class); String
        name = snapshot.child("name").getValue(String.class);
        String idLapangan = snapshot.child("idLapangan").getValue(String.class); String
        alamat = snapshot.child("alamat").getValue(String.class);
        String idAdmin = snapshot.child("idAdmin").getValue(String.class); Integer
        hargaWeekend =
snapshot.child("hargaWeekend").getValue(Integer.class);
        Integer hargaWeekday = snapshot.child("hargaWeekday").getValue(Integer.class);

        // Cek null untuk memastikan data lengkap
        if (latitude != null && longitude != null && name != null) {
            // Kirim data lokasi ke WebView (Leaflet) untuk menambah marker
            webView.evaluateJavascript(
                "addMarker(" + latitude + ", " + longitude + ", " + name + ", "
                + idLapangan + ", " + alamat + ", " + idAdmin + ", " + hargaWeekend
+ ", " + hargaWeekday + ");",
                null
            );
        } else {
            // Log jika ada data yang null Toast.makeText(NavigationActivity.this,
            "Data marker tidak lengkap",
            Toast.LENGTH_SHORT).show();
        }
    }

}

});

}

@Override
public void onCancelled(@NonNull DatabaseError databaseError) {
    // Tangani kesalahan saat mengambil data dari Firebase
    Toast.makeText(NavigationActivity.this, "Gagal memuat data lokasi: " +
databaseError.getMessage(), Toast.LENGTH_SHORT).show();
}

});

}

```

```

// Interface untuk menangani event dari JavaScript
public class WebAppInterface {

    @JavascriptInterface
    public void onMarkerClick(String name, String idLapangan, String alamat, String idAdmin,String
hargaWeekend,String hargaWeekday) {

        // Ketika marker diklik, buka Activity baru dan kirimkan parameter
//        Toast.makeText(NavigationActivity.this, "Marker diklik: " + name +" id "+idLapangan+"
alamat "+alamat+" harga weekend "+weekend+" harga weekday "+ weekday,
Toast.LENGTH_SHORT).show();

        // Buka TransaksiUserActivity dan kirim data
        int weekendPrice = Integer.parseInt(hargaWeekend); int
        weekdayPrice = Integer.parseInt(hargaWeekday);

//        See.log("Navigation", weekday.toString() +" "+ weekend.toString()); Intent
        intent = new Intent(NavigationActivity.this, BookingActivity.class);
        intent.putExtra(Constants.PREF_KEY_NAMA, name);
        intent.putExtra(Constants.PREF_KEY_IDLAPANGAN, idLapangan);
        intent.putExtra(Constants.PREF_KEY_ALAMAT, alamat);
        intent.putExtra(Constants.PREF_KEY_ADMIN, idAdmin);
        intent.putExtra(Constants.PREF_KEY_HARGAWEEKDAY, weekdayPrice);
        intent.putExtra(Constants.PREF_KEY_HARGAWEEKEND, weekendPrice); startActivity(intent);

        See.log("Navigation", "harga weekday: " + hargaWeekday + " harga weekend: " +
hargaWeekend);

    }

}

@Override
public void onRequestPermissionsResult(int requestCode, String[] permissions, int[] grantResults) {
    super.onRequestPermissionsResult(requestCode, permissions, grantResults); if
    (requestCode == LOCATION_PERMISSION_REQUEST_CODE) {
        if (grantResults.length > 0 && grantResults[0] == PackageManager.PERMISSION_GRANTED)
    {
        // Izin telah diberikan, bisa menginisialisasi WebView
//        initializeWebView();

        webView = findViewById(R.id.webview); WebSettings
        webSettings = webView.getSettings();
        webSettings.setJavaScriptEnabled(true);

```

```

webSettings.setDomStorageEnabled(true); // Ensure local storage is available
webView.setWebChromeClient(new WebChromeClient()); webView.setWebViewClient(new
WebViewClient());

// Tambahkan interface JavaScript untuk menangani klik pada marker
webView.addJavascriptInterface(new WebAppInterface(), "Android");

// Memuat file HTML dan menunggu sampai selesai di-load webView.setWebViewClient(new
WebViewClient() {
    @Override
    public void onPageFinished(WebView view, String url) {
        // Halaman WebView selesai dimuat, sekarang bisa menambah marker
        loadMarkersFromFirebase();
    }
});

// Memuat halaman peta
webView.loadUrl("file:///android_asset/leaflet_map.html");

// Inisialisasi Firebase Database
databaseReference = FirebaseDatabase.getInstance().getReference("lapangan");

webSettings.setGeolocationEnabled(true);

webView.setWebChromeClient(new WebChromeClient() {
    @Override
    public void onGeolocationPermissionsShowPrompt(String origin,
GeolocationPermissions.Callback callback) {
        callback.invoke(origin, true, false); // Izinkan geolocation
    }
});

} else {
    // Izin ditolak
    Toast.makeText(this, "Izin lokasi diperlukan untuk menampilkan peta",
Toast.LENGTH_SHORT).show();
}

}

}

}

```