**LEMBAR KERJA KEGIATAN PRAKTIKUM**

|  |  |  |
| --- | --- | --- |
| **A.** | **NAMA - NIM** | |
| M. Indra Adi Kusuma – 22/504256/SV/21614 | |
| **B.** | **NAMA PRAKTIKUM** | **Kelompok** |
| Pemrograman Geospasial : Perangkat Bergerak | B |
| **C.** | **JUDUL ACARA** | |
| Acara 6 : Tab Layout | |
| **D.** | **HASIL PRAKTIKUM SEMENTARA** | |
| 1. Alat dan Bahan : 2. Laptop 3. Android Studio 4. Modul 5. Langkah Kerja: 6. Membuat Project baru pada *software*  Android Studio yang ada pada menu File .      1. Menambahkan icon klik kanan pada folder *res ->* Pilih *Drawable ->* Pilih *Vector Asset*      1. Memilih ikon      1. Pilih app > Klik Kanan > Pilih New > Pilih New Android Resource File        1. Buat Fragment dengan klik kanan pada app > Pilih New > Pilih Fragment (Blank)        1. Tab Adapter dengan klik kanan pada folder java > Pilih New > Pilih Java Class            1. Script MainActivity.java   package com.example.acara06pgpb;  import androidx.annotation.NonNull; import androidx.appcompat.app.AppCompatActivity; import androidx.viewpager2.widget.ViewPager2;  import android.content.Intent; import android.os.Bundle; import android.view.Menu; import android.view.MenuItem; import android.widget.Toast;  import com.google.android.material.tabs.TabLayout; import com.google.android.material.tabs.TabLayoutMediator;  public class MainActivity extends AppCompatActivity {   TabLayoutMediator mediator;    @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*activity\_main*);   TabLayout tabLayout = findViewById(R.id.*tabLayout*);  ViewPager2 viewPager2 = findViewById(R.id.*pager*);   TabAdapter adapter = new TabAdapter(getSupportFragmentManager(),  getLifecycle());  viewPager2.setAdapter(adapter);    mediator = new TabLayoutMediator(tabLayout, viewPager2,  (tab, position) -> {  if (position == 0){  tab.setText("First TAB");  }  else {  tab.setText("Second TAB");  }  //tab.setText("Tab" + (position+1));  });  mediator.attach();  }   @Override  public boolean onCreateOptionsMenu(Menu menu) {  getMenuInflater().inflate(R.menu.*menu\_options*, menu);  return true;  }   @Override  public boolean onOptionsItemSelected(@NonNull MenuItem item) {  if (item.getItemId()== R.id.*action\_material*){  Intent intent = new Intent(this, SecondActivity.class);  startActivity(intent);  }  else if (item.getItemId()== R.id.*action\_home*){  Toast.*makeText*(this, "Ini tombol Home bro", Toast.*LENGTH\_SHORT*).show();  return true;  }  else if (item.getItemId()== R.id.*action\_setting*){  Toast.*makeText*(this, "Ini tombol Setting bro", Toast.*LENGTH\_SHORT*).show();  return true;  }  else if (item.getItemId()== R.id.*action\_assesment*){  Toast.*makeText*(this, "Ini tombol Assesment bro", Toast.*LENGTH\_SHORT*).show();  return true;  }  return super.onOptionsItemSelected(item);  } }   1. Script FirstFragment.java   package com.example.acara06pgpb;  import android.os.Bundle;  import androidx.fragment.app.Fragment;  import android.view.LayoutInflater; import android.view.View; import android.view.ViewGroup;  */\*\*  \* A simple {****@link*** *Fragment} subclass.  \* Use the {****@link*** *FirstFragment#newInstance} factory method to  \* create an instance of this fragment.  \*/* public class FirstFragment extends Fragment {   // *TODO: Rename parameter arguments, choose names that match* // the fragment initialization parameters, e.g. ARG\_ITEM\_NUMBER  private static final String *ARG\_PARAM1* = "param1";  private static final String *ARG\_PARAM2* = "param2";   // *TODO: Rename and change types of parameters* private String mParam1;  private String mParam2;   public FirstFragment() {  // Required empty public constructor  }   */\*\*  \* Use this factory method to create a new instance of  \* this fragment using the provided parameters.  \*  \** ***@param*** *param1 Parameter 1.  \** ***@param*** *param2 Parameter 2.  \** ***@return*** *A new instance of fragment FirstFragment.  \*/* // *TODO: Rename and change types and number of parameters* public static FirstFragment newInstance(String param1, String param2) {  FirstFragment fragment = new FirstFragment();  Bundle args = new Bundle();  args.putString(*ARG\_PARAM1*, param1);  args.putString(*ARG\_PARAM2*, param2);  fragment.setArguments(args);  return fragment;  }   @Override  public void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  if (getArguments() != null) {  mParam1 = getArguments().getString(*ARG\_PARAM1*);  mParam2 = getArguments().getString(*ARG\_PARAM2*);  }  }   @Override  public View onCreateView(LayoutInflater inflater, ViewGroup container,  Bundle savedInstanceState) {  // Inflate the layout for this fragment  return inflater.inflate(R.layout.*fragment\_first*, container, false);  } }   1. Script SecondFragment.java   package com.example.acara06pgpb;  import android.os.Bundle;  import androidx.fragment.app.Fragment;  import android.view.LayoutInflater; import android.view.View; import android.view.ViewGroup;  */\*\*  \* A simple {****@link*** *Fragment} subclass.  \* Use the {****@link*** *SecondFragment#newInstance} factory method to  \* create an instance of this fragment.  \*/* public class SecondFragment extends Fragment {   // *TODO: Rename parameter arguments, choose names that match* // the fragment initialization parameters, e.g. ARG\_ITEM\_NUMBER  private static final String *ARG\_PARAM1* = "param1";  private static final String *ARG\_PARAM2* = "param2";   // *TODO: Rename and change types of parameters* private String mParam1;  private String mParam2;   public SecondFragment() {  // Required empty public constructor  }   */\*\*  \* Use this factory method to create a new instance of  \* this fragment using the provided parameters.  \*  \** ***@param*** *param1 Parameter 1.  \** ***@param*** *param2 Parameter 2.  \** ***@return*** *A new instance of fragment SecondFragment.  \*/* // *TODO: Rename and change types and number of parameters* public static SecondFragment newInstance(String param1, String param2) {  SecondFragment fragment = new SecondFragment();  Bundle args = new Bundle();  args.putString(*ARG\_PARAM1*, param1);  args.putString(*ARG\_PARAM2*, param2);  fragment.setArguments(args);  return fragment;  }   @Override  public void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  if (getArguments() != null) {  mParam1 = getArguments().getString(*ARG\_PARAM1*);  mParam2 = getArguments().getString(*ARG\_PARAM2*);  }  }   @Override  public View onCreateView(LayoutInflater inflater, ViewGroup container,  Bundle savedInstanceState) {  // Inflate the layout for this fragment  return inflater.inflate(R.layout.*fragment\_second*, container, false);  } }   1. Script SecondActivity.java   package com.example.acara06pgpb;  import androidx.appcompat.app.AppCompatActivity; import android.os.Bundle;  public class SecondActivity extends AppCompatActivity {   @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*activity\_second*);  } }   1. Script TabAdapter.java   package com.example.acara06pgpb;  import androidx.annotation.NonNull; import androidx.fragment.app.Fragment; import androidx.fragment.app.FragmentManager; import androidx.lifecycle.Lifecycle; import androidx.viewpager2.adapter.FragmentStateAdapter;  public class TabAdapter extends FragmentStateAdapter {  Fragment fragment[] = {new FirstFragment(), new SecondFragment()};  public TabAdapter(@NonNull FragmentManager fragmentManager, @NonNull Lifecycle lifecycle) {  super(fragmentManager, lifecycle);  }   @NonNull  @Override  public Fragment createFragment(int position) {  // if (position == 0)  // {  // FirstFragment ff = new FirstFragment();  // return ff;  // }  // else if (position == 1)  // {  // SecondFragment sf = new SecondFragment();  // return sf;  // }  // return null;  return fragment[position];  }   @Override  public int getItemCount() {  return 2;  } }   1. Script activity\_main.xml   <?xml version="1.0" encoding="utf-8"?> <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  xmlns:app="http://schemas.android.com/apk/res-auto"  xmlns:tools="http://schemas.android.com/tools"  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  tools:context=".MainActivity"  android:orientation="vertical">   <com.google.android.material.tabs.TabLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:id="@+id/tabLayout"/>  <androidx.viewpager2.widget.ViewPager2  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:id="@+id/pager"/>  </LinearLayout>   1. Script FragmentFirst.xml   <?xml version="1.0" encoding="utf-8"?> <FrameLayout xmlns:android="http://schemas.android.com/apk/res/android"  xmlns:tools="http://schemas.android.com/tools"  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  tools:context=".FirstFragment">   <!-- TODO: Update blank fragment layout -->  <TextView  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:text="First Fragment" />  </FrameLayout>   1. Script FragmentSecond.xml   <?xml version="1.0" encoding="utf-8"?> <FrameLayout xmlns:android="http://schemas.android.com/apk/res/android"  xmlns:tools="http://schemas.android.com/tools"  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  tools:context=".SecondFragment">   <!-- TODO: Update blank fragment layout -->  <TextView  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:text="Second Fragment"  />  </FrameLayout>   1. Script Menu\_Options.xml   <?xml version="1.0" encoding="utf-8"?> <menu xmlns:android="http://schemas.android.com/apk/res/android"  xmlns:app="http://schemas.android.com/apk/res-auto">  <item android:id="@+id/action\_material"  android:title="Material"  android:icon="@drawable/baseline\_menu\_book\_24"  app:showAsAction="ifRoom"  android:orderInCategory="200"/>  <item android:id="@+id/action\_assesment"  android:title="Assesment"  android:icon="@drawable/baseline\_assessment\_24"  app:showAsAction="ifRoom"  android:orderInCategory="300"/>  <item android:id="@+id/action\_home"  android:title="Home"  android:icon="@drawable/sharp\_home\_24"  app:showAsAction="ifRoom"  android:orderInCategory="100"/>  <item android:id="@+id/action\_setting"  android:title="Setting"  android:icon="@drawable/sharp\_settings\_24"  app:showAsAction="ifRoom"  android:orderInCategory="400"/> </menu> | | |

|  |  |
| --- | --- |
| Nilai Kegiatan Praktikum | …/100 |
| Asesor Praktikum | *Nama asisten* |
| Tanggal Dikumpulkan | 26/09/2023 |
| Tanggal Asesmen | *dd/mm/yyyy* |
| Tanggal Dikembalikan | *dd/mm/yyyy* |