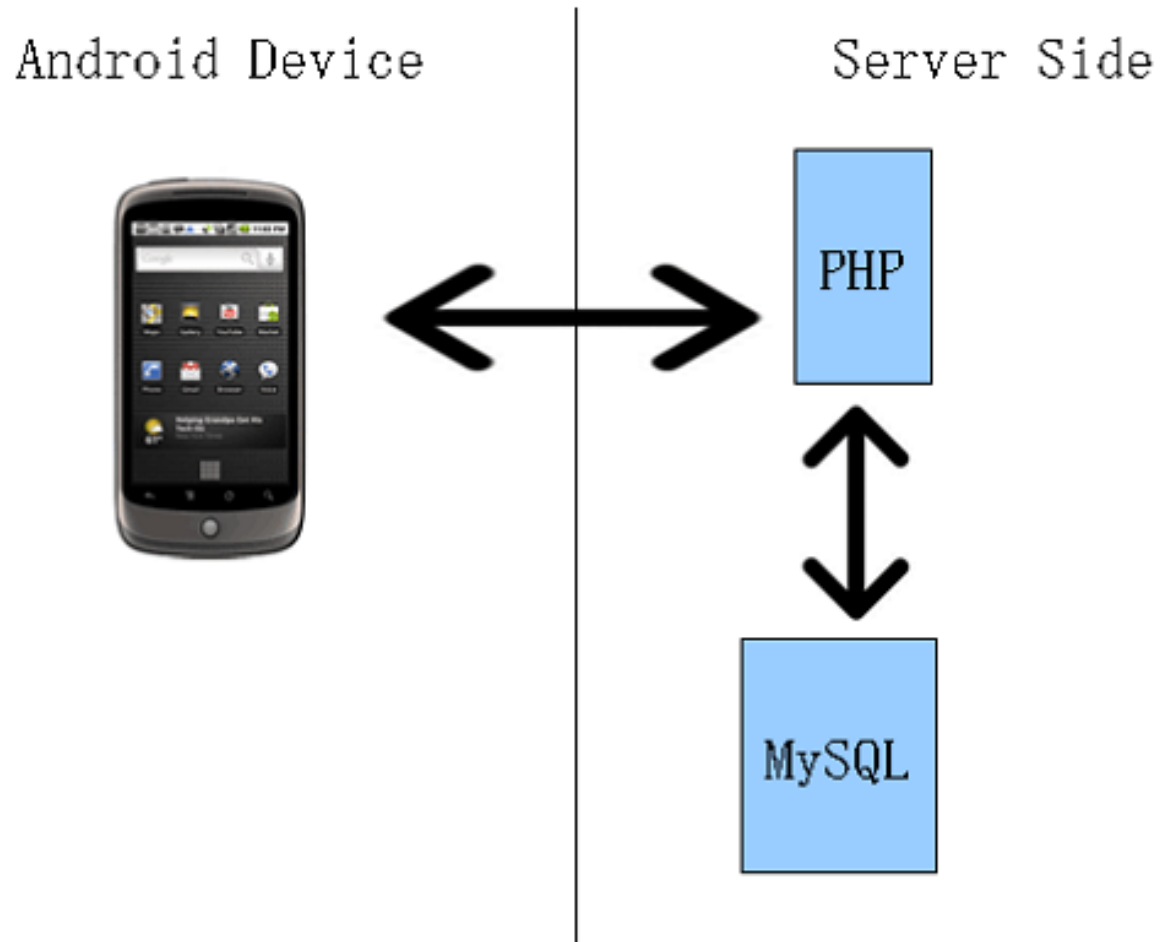# Pemrograman Mobile Android # 10

Android, PHP, MySQL

TIK

- Mahasiswa dapat memahami cara kerja Android dengan PHP dan MySQL

- Mahasiswa mampu menampilkan hasil query ke dalam tampilan yg berbeda
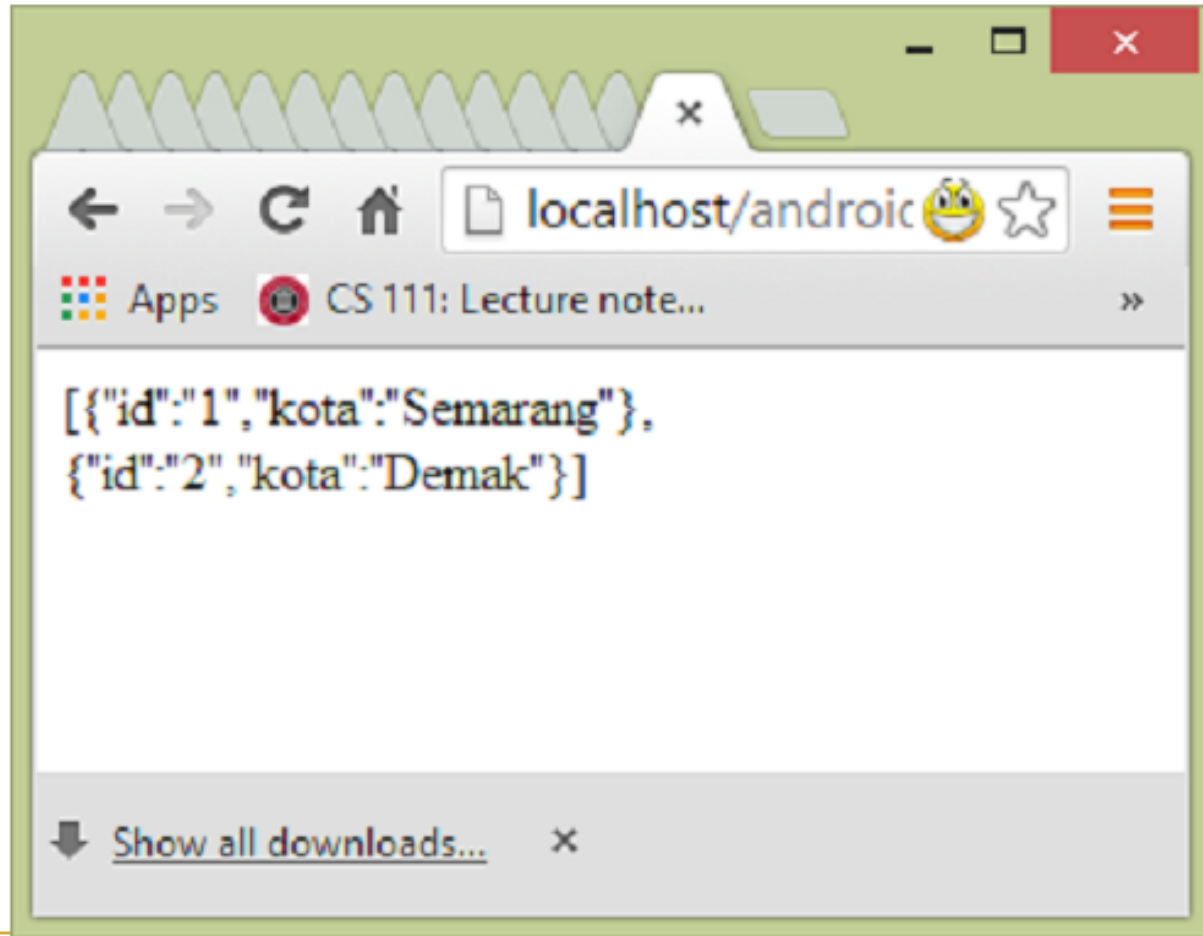
Konsep Dasar

Tabel Kota

Alter Table 'kota' in 'penjualan'

	Field Name	Datatype		Len	Default	PK?	Not Null?	Unsigned?	Auto Incr?	Zerofill?	Charset		Colla
*	id	int	▾	4		✔	✔	✔	✔	☐		▾	
	kota	varchar	▾	30		☐	☐	☐	☐	☐	latin1	▾	latin1
			▾			☐	☐	☐	☐	☐		▾	

Tampil.php

```php
<?php
$conn=mysqli_connect("localhost","root","","penjualan");
$q = mysqli_query($conn,"SELECT * FROM kota");
while($r = mysqli_fetch_assoc($q))
    $output[] = $r;
    print(json_encode($output));
    print("\n");
    mysqli_close($conn);
?>
```

Hasil

App_MySQL Activity

```java
public class APP_MYSQLActivity extends ListActivity {
int idkota;
String[] kota= null;
@Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        String hasil = null;
        InputStream is = null;
        StringBuilder sb = null;
        // httppost
            try{
            HttpClient httpclient = new DefaultHttpClient();
            HttpPost httppost = new
HttpPost("http://10.0.2.2/android/tampil.php");
            HttpResponse response = httpclient.execute(httppost);
            HttpEntity entity = response.getEntity();
            is = entity.getContent();
            } catch(Exception e) {
            Log.e("log_tag", "Error in http connection"+
e.toString());
            }
```

App_MYSQL Activity #2

```
// convert response to string
 try{
  BufferedReader reader = new BufferedReader(new
   InputStreamReader(is, "iso-8859-1"), 8);
   sb = new StringBuilder();
  sb.append(reader.readLine() + "\n");
  String line = "0";
  while((line = reader.readLine()) != null) {
   sb.append(line + "\n");
   }
  is.close();
  hasil = sb.toString();
  } catch(Exception e) {
Log.e("log_tag", "Error converting result "+e.toString());
  }
```

App_MYSQL Activity#3

```
// parsing data
          JSONArray jArray;
           try{
           jArray = new JSONArray(hasil);
            JSONObject json_data = null;
            kota= new String[jArray.length()];
            for(int i = 0; i < jArray.length(); i++) {
              json_data = jArray.getJSONObject(i);
              idkota= json_data.getInt("id");
              kota[i] = json_data.getString("kota");
             }
           } catch(JSONException e1) {
           Toast.makeText(getBaseContext(), "No Id
Found",  Toast.LENGTH_LONG).show();
           } catch(ParseException e1) {
           e1.printStackTrace();
           }
```
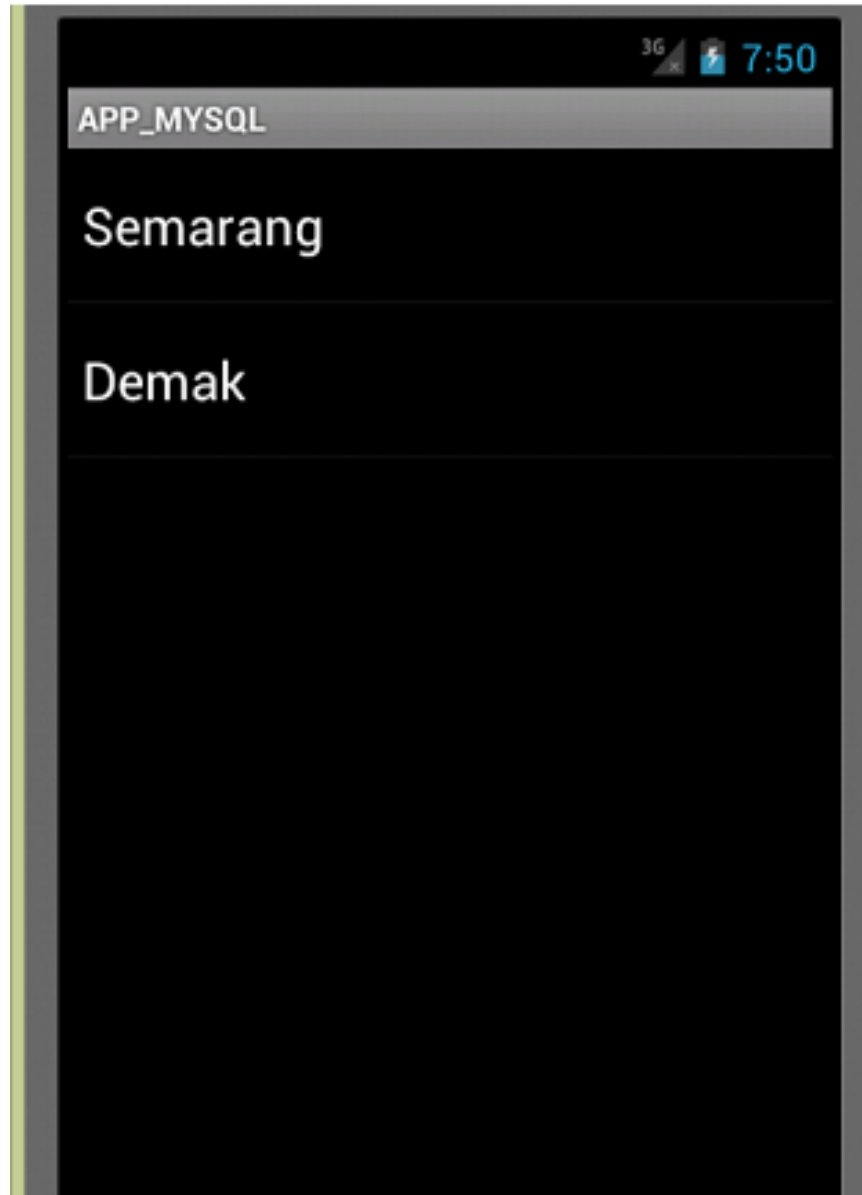
App_MYSQL Activity#4

```
//tampilkan
            setListAdapter(new
ArrayAdapter<String>(this,android.R.layout.simple_list_item_
1, kota));
                ListView lv;
                lv = getListView();
                lv.setTextFilterEnabled(true);
                lv.setOnItemClickListener(new
OnItemClickListener() {
                public void onItemClick(AdapterView<?> arg0,
View arg1, int arg2,long arg3) {
                        // TODOAuto-generated method stub

Toast.makeText(getApplicationContext(),
                        kota[arg2] + " wasClicked",
Toast.LENGTH_SHORT).show();
                        }
    });
    }
}
```

Hasil

Referensi

- FelkerD.; Dobbs J, 2011, **Android Application Development For Dummies,** Wiley Publishing Inc., USA

- **Official Android Developer Documentation** http://developer.android.com/.

- Esposito, Dino, **Architecting Mobile Solutions for the Enterprise**, 2012, O'Reilly Media.

- Iversen, Jakob & Eierman, Michael, **Learning Mobile App Development A Hands-on Guide to Building Apps with iOS and Android** , 2014, Pearson Education.

- Meier, Reto, **Professional Android 4 Application Development**, 2012, John Wiley and Sons.

- McWherter, Jeff & Gowell, Scott, **Professional Mobile Application Development**, 2012, John Wiley & Sons

- **http://agusharyanto.net/**

Ada Pertanyaan

?
◆

Tugas 10

- Buat program dari tabel barang

KdBrg	NmBrg	HrgBeli	HrgJual	Stok
B0001	Buku	5000	6000	100
B0002	Spidol	3500	4000	50

- Menu
    - Tambah Data
    - Edit Data
    - Hapus Data
    - Tampil Data

Rehat Sejenak

- [Wow](Wow)