

- Pemilihan platform yang tepat dan sesuai antara tujuan aplikasi dibuat dengan kebutuhan pasar
- Pemilihan teknologi dikarenakan setiap platform belum tentu memiliki teknologi yang sama
- Setiap platform memiliki batasan yang berbeda, seperti ukuran layar, OS requirement, teknologi embedded, pixel intensities, dan lainnya, sehingga dapat membatasi kebutuhan dan aplikasi yang dikembangkan

< ?xml version = '1.0' >

< list - barang >

< barang >

< barcode > 1234 < /barcode >

< nama - barang > Piring < /nama - barang >

< keterangan > Bahan Plastik < /keterangan >

< kode - supplier > 1111 < /kode - supplier >

< nama - supplier > PT. ABC < /nama - supplier >

< /barang >

< barang >

< barcode > 1234 < /barcode >

< nama - barang > Piring < /nama - barang >

< keterangan > Bahan Plastik < /keterangan >

< kode - supplier > 2222 < /kode - supplier >

< nama - supplier > PT. DEF < /nama - supplier >

< /barang >

< barang >

< barcode > 4567 < /barcode >

< nama - barang > Sendok < /nama - barang >

< keterangan > ~~Tidak~~

< kode - supplier > 2222 < /kode - supplier >

< nama - supplier > PT. DEF < /nama - supplier >

< /barang >

< /list - barang >

```
int supp ;
```

```
int Count = 0 ;
```

```
String currentSupp = ""
```

```
String currentBarcode = "" ;
```

```
TextView tv = (TextView) findViewById ( R.id.textView) ;
```

```
try {
```

```
InputStream is = getAssets().open ("barang.xml") ;
```

```
DocumentBuilderFactory dbFactory = DocumentBuilderFactory.newInstance() ;
```

```
DocumentBuilder dBuilder = dbFactory.newDocumentBuilder() ;
```

```
Document doc = dBuilder.parse (is) ;
```

```
Element element = doc.getDocumentElement() ;
```

```
element.normalize() ;
```

```
NodeList nodeList = doc.getElementsByTagName ("barang") ;
```

```
for (int i = 0 ; i < nodeList.getLength() ; i++) {
```

```
Node barang = nodeList.item (i) ;
```

```
String barcode = barang.getChildNodes().item (1).getTextContent() ;
```

```
String namaBarang = barang.getChildNodes().item (3).getTextContent() ;
```

```
String keterangan = barang.getChildNodes().item (5).getTextContent() ;
```

```
String kode_supplier = barang.getChildNodes().item (7).getTextContent() ;
```

```
String nama_supplier = barang.getChildNodes().item (9).getTextContent() ;
```

```
if (!barcode.equals(currentBarcode)) { currentBarcode = barcode ;
```

```
Count++ ;
```

```
supp = 1 ;
```

```
tv.setText (tv.getText() + "\nBarang - " + Count + "\n") ;
```

```
tv.setText (tv.getText() + "Nama Barang : " + namaBarang + "\n") ;
```

```
tv.setText (tv.getText() + "Keterangan : " + keterangan + "\n") ;
```

```
tv.setText (tv.getText() + "Supplier - " + supp + " : " + nama_supplier + "\n") ;
```

```
currentSupp = kode_supplier ;
```

```
} else if (!currentSupp.equals(kode_supplier)) {
```

```
supp++ ;
```

```
tv.setText (tv.getText() + "Supplier - " + supp + " : " + nama_supplier + "\n") ;
```

```
}
```

```
}
```

catch (Exception e) {

Toast toast = Toast.makeText(getApplicationContext(), e.getMessage(), Toast.LENGTH\_SHORT);  
toast.show();

}