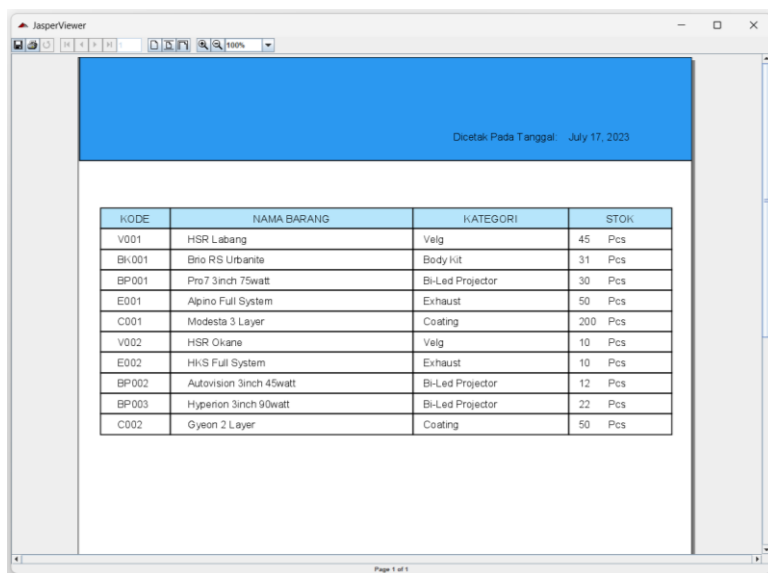# Dokumentasi Praktikum PBO 13

Mata Kuliah : PBO - TI - S1

Pertemuan : 13

NIM : A11.2021.13254

Nama : Yohanes Dimas Pratama

Program Laporan dengan iReport

Hasil Program:

Code Program:

*Form_Laporan.java

```java
private void btncetakActionPerformed(java.awt.event.ActionEvent evt) {
    String id_laporan = cmbid_laporan.getSelectedItem().toString();
    switch (id_laporan) {
        case "Pilih":
            JOptionPane.showMessageDialog(null, "Terdapat inputan yang kosong.");
            break;
        case "Data Barang":
            try {
                File file = new File("src/report/report_barang.jrxml");
```

```java
            JasperDesign jasperDesign = JRXmlLoader.load(file);

            JasperReport jasperReport = JasperCompileManager.compileReport(jasperDesign);

            JasperPrint jasperPrint = JasperFillManager.fillReport(jasperReport, null,
konek.openkoneksi());

            JasperViewer.viewReport(jasperPrint, false);

        } catch (ClassNotFoundException | JRException e) {

            JOptionPane.showMessageDialog(null, "Error " + e);

        }

        this.hide();

        break;

        default:

            SimpleDateFormat date;

            date = new SimpleDateFormat("yyyy-MM-dd");

            String d_dari = date.format(txtd_dari.getDate());

            String d_sampai = date.format(txtd_sampai.getDate());

            if (id_laporan.equals("Transaksi Barang Masuk")) {

                try {

                    HashMap hash = new HashMap();

                    hash.put("d_dari", d_dari);

                    hash.put("d_sampai", d_sampai);


                    File file1 = new File("src/report/report_barangMasuk.jrxml");

                    JasperDesign jasperDesign = JRXmlLoader.load(file1);

                    JasperReport jasperReport = JasperCompileManager.compileReport(jasperDesign);

                    JasperPrint jasperPrint = JasperFillManager.fillReport(jasperReport, hash,
konek.openkoneksi());

                    JasperViewer.viewReport(jasperPrint, false);

                } catch (ClassNotFoundException | JRException e) {

                    JOptionPane.showMessageDialog(null, "Error " + e);

                }

            } else if (id_laporan.equals("Transaksi Barang Keluar")) {

                try {
```

```java
            HashMap hash = new HashMap();

            hash.put("d_dari", d_dari);

            hash.put("d_sampai", d_sampai);


            File file2 = new File("src/report/report_barangKeluar.jrxml");

            JasperDesign jasperDesign = JRXmlLoader.load(file2);

            JasperReport jasperReport = JasperCompileManager.compileReport(jasperDesign);

            JasperPrint jasperPrint = JasperFillManager.fillReport(jasperReport, hash,
konek.openkoneksi());

            JasperViewer.viewReport(jasperPrint, false);

        } catch (ClassNotFoundException | JRException e) {

            JOptionPane.showMessageDialog(null, "Error " + e);

        }

    }

    this.hide();

    break;

    }

  }
```

*report_barang.jrxml

```xml
<?xml version="1.0" encoding="UTF-8"?>

<jasperReport xmlns="http://jasperreports.sourceforge.net/jasperreports"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://jasperreports.sourceforge.net/jasperreports
http://jasperreports.sourceforge.net/xsd/jasperreport.xsd" name="null" language="groovy"
pageWidth="595" pageHeight="842" columnWidth="555" leftMargin="20" rightMargin="20"
topMargin="20" bottomMargin="20" uuid="c134c83c-726b-4f18-bba9-f55c2b30941b">

    <property name="ireport.zoom" value="1.0"/>

    <property name="ireport.x" value="0"/>

    <property name="ireport.y" value="0"/>

    <queryString>

        <![CDATA[SELECT tmbarang.id, tmbarang.kode, tmbarang.nama, tmbarang.satuan,
tmbarang.stok, tmkategori.nama as nama_kategori FROM tmbarang JOIN tmkategori ON
tmkategori.id = tmbarang.id_kategori]]>
```

```xml
</queryString>
<field name="id" class="java.lang.Integer">
        <fieldDescription><![CDATA[]]></fieldDescription>
</field>
<field name="kode" class="java.lang.String">
        <fieldDescription><![CDATA[]]></fieldDescription>
</field>
<field name="nama" class="java.lang.String">
        <fieldDescription><![CDATA[]]></fieldDescription>
</field>
<field name="satuan" class="java.lang.String">
        <fieldDescription><![CDATA[]]></fieldDescription>
</field>
<field name="stok" class="java.lang.Integer">
        <fieldDescription><![CDATA[]]></fieldDescription>
</field>
<field name="nama_kategori" class="java.lang.String"/>
<group name="nama">
        <groupExpression><![CDATA[$F{nama}]]></groupExpression>
</group>
<group name="satuan">
        <groupExpression><![CDATA[$F{satuan}]]></groupExpression>
</group>
<group name="stok">
        <groupExpression><![CDATA[$F{stok}]]></groupExpression>
</group>
<group name="nama_kategori">
        <groupExpression><![CDATA[$F{nama_kategori}]]></groupExpression>
</group>
<background>
        <band splitType="Stretch"/>
```

```
        </background>
        <title>
                <band height="79" splitType="Stretch">
                        <rectangle>
                                <reportElement x="-20" y="-24" width="599" height="103"
backcolor="#2B98F0" uuid="c541bfc5-187b-48b9-9980-681957e9d566"/>
                        </rectangle>
                        <staticText>
                                <reportElement x="0" y="42" width="226" height="27"
forecolor="#B6E5FB" uuid="a8db9c42-686e-461e-93ad-5060da862fbc"/>
                                <textElement>
                                        <font size="22"/>
                                </textElement>
                                <text><![CDATA[INVENTORI BARANG]]></text>
                        </staticText>
                        <textField pattern="MMMMM dd, yyyy">
                                <reportElement x="455" y="49" width="100" height="20"
uuid="21a69f0b-a5d7-428a-b726-621df158118b"/>
                                <textFieldExpression><![CDATA[new
java.util.Date()]]></textFieldExpression>
                        </textField>
                        <staticText>
                                <reportElement x="343" y="49" width="112" height="20"
uuid="c24561b5-cea6-41a9-be72-0d001111dcc7"/>
                                <text><![CDATA[Dicetak Pada Tanggal:]]></text>
                        </staticText>
                </band>
        </title>
        <pageHeader>
                <band height="36" splitType="Stretch">
                        <staticText>
                                <reportElement x="175" y="11" width="240" height="25"
uuid="3a25319d-aabe-4929-a4fc-58d3fcefac40"/>
```

```xml
                    <textElement>
                        <font fontName="SansSerif" size="20"/>
                    </textElement>
                    <text><![CDATA[Report Persedian Barang]]></text>
                </staticText>
            </band>
        </pageHeader>
        <columnHeader>
            <band height="30" splitType="Stretch">
                <rectangle>
                    <reportElement mode="Opaque" x="0" y="10" width="68" height="20" backcolor="#B6E5FB" uuid="765dff47-d9a6-46f4-bafe-904ad6224c93"/>
                </rectangle>
                <staticText>
                    <reportElement x="0" y="10" width="68" height="20" backcolor="#B6E5FB" uuid="94463579-3842-4bc8-8e52-91bf37651441"/>
                    <textElement textAlignment="Center" verticalAlignment="Middle"/>
                    <text><![CDATA[KODE]]></text>
                </staticText>
                <rectangle>
                    <reportElement x="68" y="10" width="236" height="20" backcolor="#B6E5FB" uuid="60ea7e73-403f-4ecc-9dfd-aff2c593227d"/>
                </rectangle>
                <staticText>
                    <reportElement x="68" y="10" width="236" height="20" backcolor="#B6E5FB" uuid="1dac0558-d146-40fa-b98f-314934174f61"/>
                    <textElement textAlignment="Center" verticalAlignment="Middle"/>
                    <text><![CDATA[NAMA BARANG]]></text>
                </staticText>
                <rectangle>
                    <reportElement x="304" y="10" width="151" height="20" backcolor="#B6E5FB" uuid="c179f7d4-ea96-48f8-b3a7-c45bf47526af"/>
                </rectangle>
```

```
<staticText>

    <reportElement x="304" y="10" width="151" height="20"
backcolor="#B6E5FB" uuid="27f892f9-6f3b-44d9-92e9-64b9fe0c6d47"/>

        <textElement textAlignment="Center" verticalAlignment="Middle"/>

        <text><![CDATA[KATEGORI]]></text>

</staticText>

<rectangle>

    <reportElement x="455" y="10" width="100" height="20"
backcolor="#B6E5FB" uuid="a65767bd-e73f-4a1a-8d6b-693f97cf491e"/>

</rectangle>

<staticText>

    <reportElement x="455" y="10" width="100" height="20"
backcolor="#B6E5FB" uuid="80cc1f84-3ec8-42d2-a93a-dd7761a65e0d"/>

        <textElement textAlignment="Center" verticalAlignment="Middle"/>

        <text><![CDATA[STOK]]></text>

</staticText>

    </band>

</columnHeader>

<detail>

    <band height="20" splitType="Stretch">

        <textField>

            <reportElement x="85" y="0" width="219" height="20"
uuid="83e2ec43-472e-40a3-beed-443346a3402f"/>

                <textElement verticalAlignment="Middle"/>

                <textFieldExpression><![CDATA[$F{nama}]]></textFieldExpression>

        </textField>

        <textField>

            <reportElement x="314" y="0" width="141" height="20"
uuid="e63e1cdc-84da-4bdb-9795-5100b004a3ed"/>

                <textElement verticalAlignment="Middle"/>


<textFieldExpression><![CDATA[$F{nama_kategori}]]></textFieldExpression>

        </textField>
```

```xml
<textField>
    <reportElement x="465" y="0" width="29" height="20" uuid="66843d22-7461-48ea-8cf9-5aed20510041"/>
    <textElement verticalAlignment="Middle"/>
    <textFieldExpression><![CDATA[$F{stok}]]></textFieldExpression>
</textField>
<textField>
    <reportElement x="494" y="0" width="61" height="20" uuid="87389b0a-ae80-4b8c-bc4a-a109ab2ef536"/>
    <textElement verticalAlignment="Middle"/>
    <textFieldExpression><![CDATA[$F{satuan}]]></textFieldExpression>
</textField>
<textField>
    <reportElement x="17" y="0" width="68" height="20" uuid="d6c743ce-74c0-4072-8c17-185131cb983c"/>
    <textElement textAlignment="Left" verticalAlignment="Middle"/>
    <textFieldExpression><![CDATA[$F{kode}]]></textFieldExpression>
</textField>
<rectangle>
    <reportElement mode="Transparent" x="0" y="0" width="68" height="20" uuid="e9155061-953c-4195-bf4a-a5f437e44d5d"/>
</rectangle>
<rectangle>
    <reportElement mode="Transparent" x="68" y="0" width="236" height="20" uuid="2adb5ca0-f2cc-4785-8801-c18651919c79"/>
</rectangle>
<rectangle>
    <reportElement mode="Transparent" x="304" y="0" width="151" height="20" uuid="70e7eed7-1b31-4b75-a991-84101190c056"/>
</rectangle>
<rectangle>
    <reportElement mode="Transparent" x="455" y="0" width="100" height="20" uuid="a1a170d1-9d89-4e8c-8a96-d174903f69ea"/>
```

```xml
            </rectangle>
        </band>
    </detail>
    <columnFooter>
        <band height="45" splitType="Stretch"/>
    </columnFooter>
    <pageFooter>
        <band height="23" splitType="Stretch"/>
    </pageFooter>
    <summary>
        <band height="42" splitType="Stretch"/>
    </summary>
</jasperReport>
```