1. Buka link http://www.java2s.com/Code/Jar/j/Downloadjcalendar14jar.htm
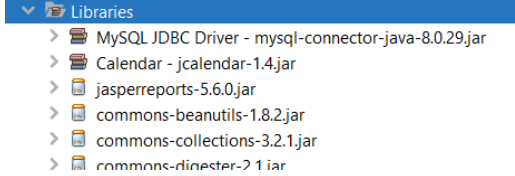   Download dan extract file "jcalendar-1.4.jar.zip" ke direktori bebas, misalnya di C:\JavaPlugin
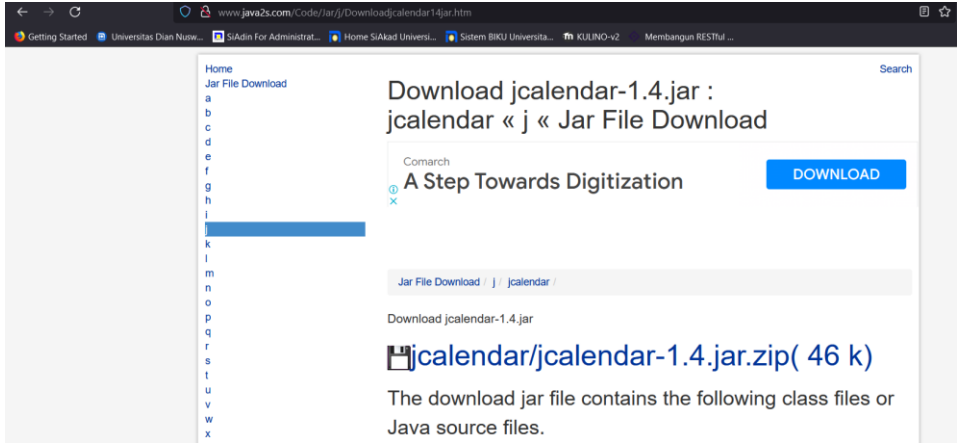


2. Tambahkan library Calendar ke dalam project penjualan. Caranya sama seperti ketika memasukkan library JDBC pada tutorial sebelumnya
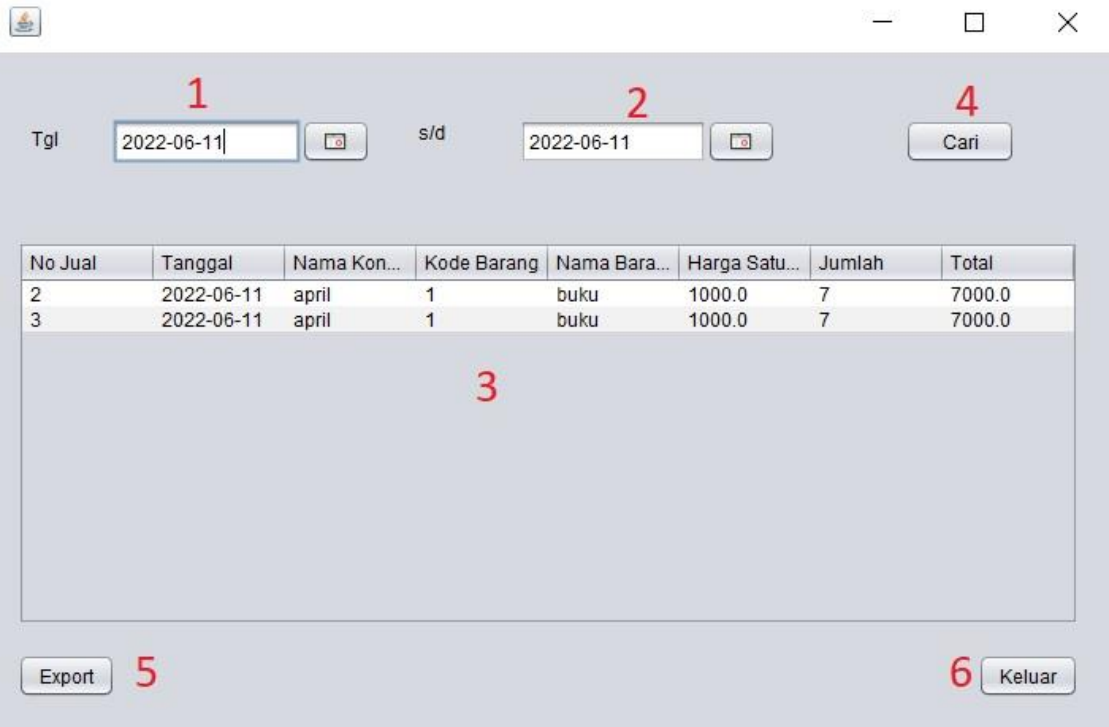


3. Cek pada bagian palette apakah sudah muncul, kalo belum tambahkan saja dengan cara klik kanan pada palette lalu pilih Palette Manager-Add from Library-pilih Calendar-pilih semua komponen-lalu tentukan peletakannya misalnya di kategori Beans-klik Finish.
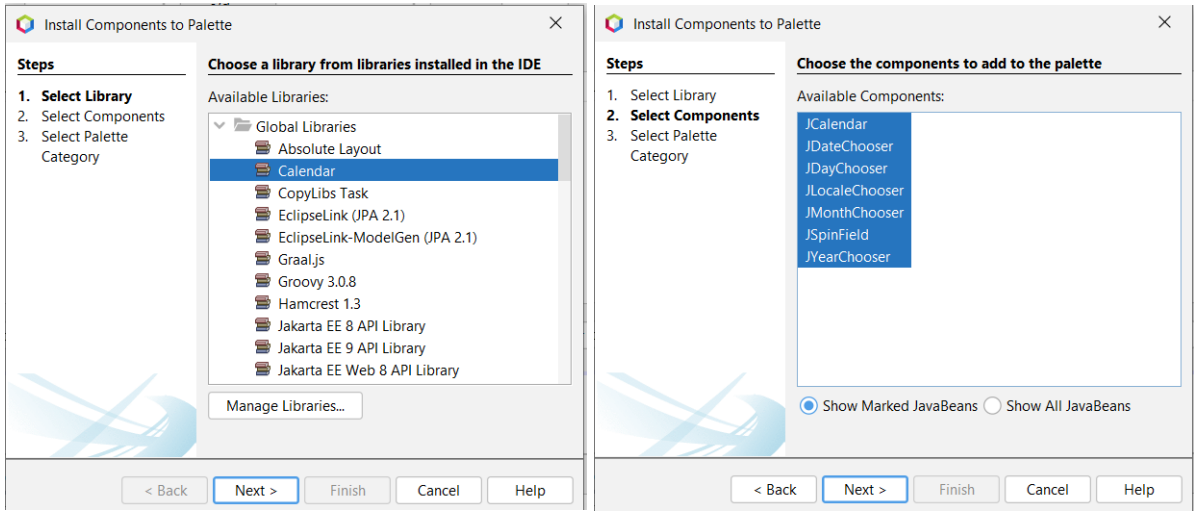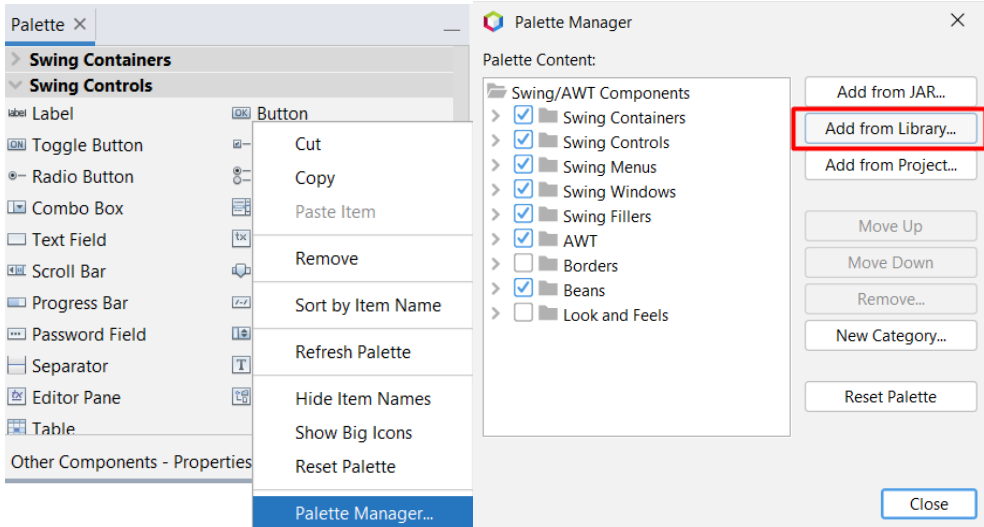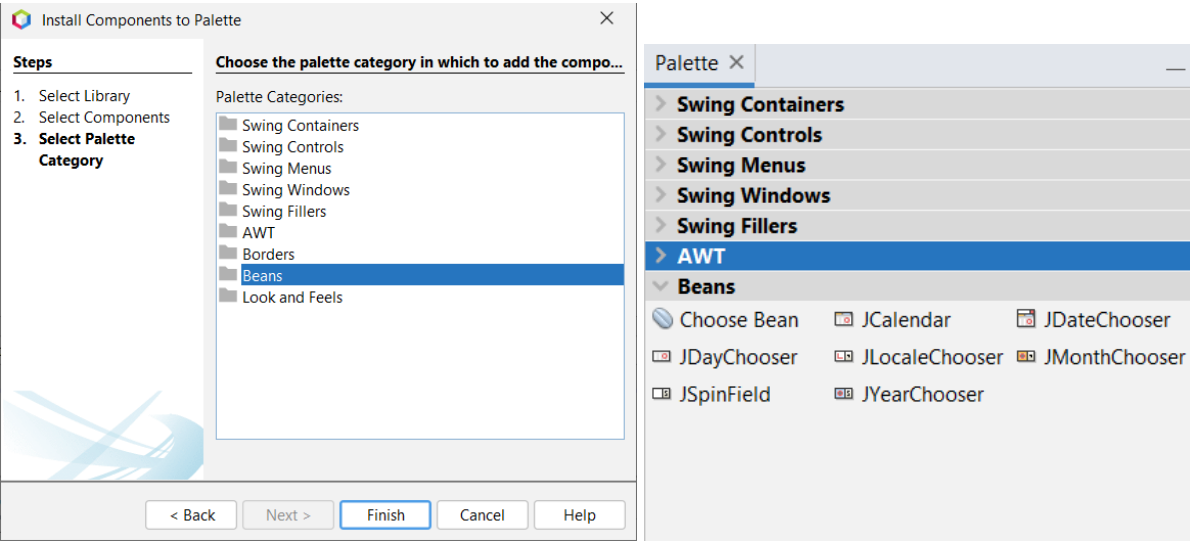
4. Pada package penjualan buat form baru bernama LapPenjualan



| No | Variable Name | Type | Event |
|---|---|---|---|
| 1 | dtAwal | JDateChooser | |
| 2 | dtAkhir | JDateChooser | |
| 3 | tblLapJual | JTable | |
| 4 | cmdCari | JButton | private void cmdCariActionPerformed(java.awt.event.ActionEvent evt) {<br>    // TODO add your handling code here:<br>    baca_data();<br>} |
| 5 | cmdExport | JButton | private void cmdExportActionPerformed(java.awt.event.ActionEvent evt)<br>{<br>    // TODO add your handling code here:<br>    try{<br>      ExportToExcel ex=new ExportToExcel(tblLapJual, new File("DataPenjualan.xls"));<br>      //exportToExcel(tblBrg, new File("DataBarang.xls"));<br>      JOptionPane.showMessageDialog(null, "Sukses Export data ....."); <br>    }catch(Exception e){<br>      JOptionPane.showMessageDialog(null, e);<br>    }<br>} |
| 6 | cmdKeluar | JButton | private void cmdKeluarActionPerformed(java.awt.event.ActionEvent evt)<br>{<br>    // TODO add your handling code here:<br>    dispose();<br>} |

5. Pada dtAwal dan dtAkhir klik kanan-properties-dateFormatString lalu ubah menjadi yyyy-MM-dd
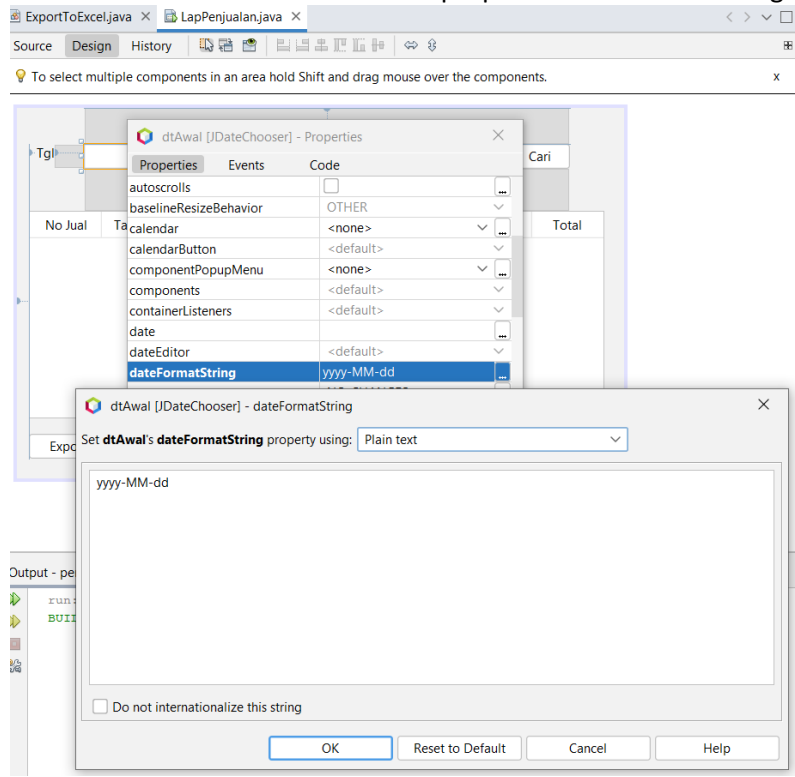


```java
package penjualan;

import java.io.File;
import java.text.SimpleDateFormat;
import java.sql.*;
import java.util.Date;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;

public class LapPenjualan extends javax.swing.JFrame {
    Connection Con;
    ResultSet RsJual;
    Statement stm;
    PreparedStatement pstat;
    String tgl1,tgl2;
    private Object[][] dataTable = null;
    private String[] header = {"No Jual","Tanggal","Nama Konsumen","Kode Barang","Nama Barang","Harga
Satuan","Jumlah","Total"};
    DefaultTableModel tableModel = new DefaultTableModel(new Object [][] {},header);

public LapPenjualan() {
    initComponents();
    dtAwal.setDate(new Date());
    dtAkhir.setDate(new Date());
    open_db();
    baca_data();
}

private void open_db()
    {
    try{
        KoneksiMysql kon = new KoneksiMysql ("localhost","root","","penjualan");
        Con = kon.getConnection();
        }catch (Exception e) {
        System.out.println("Error : "+e);
        }
    }
```

```java
private void baca_data()
  {
    try{
      SimpleDateFormat sdf = new SimpleDateFormat("yyyy-MM-dd");
      tgl1=sdf.format(dtAwal.getDate());
      tgl2=sdf.format(dtAkhir.getDate());
      stm = Con.createStatement();
      pstat = Con.prepareStatement("SELECT a.no_jual,a.tgl_jual,c.nm_kons,d.kd_brg,d.nm_brg,
b.harga_jual,b.jml_jual,(b.harga_jual*b.jml_jual) AS 'totjual' " +
                    "FROM jual a LEFT JOIN djual b ON (a.no_jual=b.no_jual) " +
                    "LEFT JOIN konsumen c ON (a.kd_kons=c.kd_kons) " +
                    "LEFT JOIN barang d ON (b.kd_brg=d.kd_brg)" +
                    "where date(a.tgl_jual)>=" + "date('"+ tgl1+"') and date(a.tgl_jual)<=" + "date('"+tgl2+"')
order by a.tgl_jual desc",ResultSet.TYPE_SCROLL_SENSITIVE,ResultSet.CONCUR_UPDATABLE);
      RsJual = pstat.executeQuery();
      ResultSetMetaData meta = RsJual.getMetaData();
      int col = meta.getColumnCount();
      int baris = 0;
      while(RsJual.next()) {
        baris = RsJual.getRow();
      }
      dataTable = new Object[baris][col];
      int x = 0;
      RsJual.beforeFirst();
      while(RsJual.next()) {
        dataTable[x][0] = RsJual.getString("no_jual");
        dataTable[x][1] = RsJual.getDate("tgl_jual");
        dataTable[x][2] = RsJual.getString("nm_kons");
        dataTable[x][3] = RsJual.getString("kd_brg");
        dataTable[x][4] = RsJual.getString("nm_brg");
        dataTable[x][5] = RsJual.getDouble("harga_jual");
        dataTable[x][6] = RsJual.getInt("jml_jual");
        dataTable[x][7] = RsJual.getDouble("totjual");
        x++;
      }
      tblLapJual.setModel(new DefaultTableModel(dataTable,header));
    }catch(SQLException e){
      JOptionPane.showMessageDialog(null, e);
    }
  }

}
```

6. Pada package penjualan buat Class baru Bernama ExportToExcel

```java
package penjualan;

import java.io.File;
import java.io.FileWriter;
import javax.swing.JTable;
import javax.swing.table.TableModel;

public class ExportToExcel {
  public ExportToExcel(JTable table, File file) {
    try{
      TableModel tableModel = table.getModel();
      FileWriter fOut = new FileWriter(file);

      for(int i = 0; i < tableModel.getColumnCount(); i++){
        fOut.write(tableModel.getColumnName(i)+"\t");
      }
```

```java
            fOut.write("\n");

            for(int i = 0; i < tableModel.getRowCount(); i++){
                for(int j = 0; j < tableModel.getColumnCount(); j++){
                    fOut.write(tableModel.getValueAt(i,
                    j).toString()+"\t");
                }

                fOut.write("\n");
            }

            fOut.close();
        } catch (Exception e){
            e.printStackTrace();
        }
    }
}
```

| Tgl | 2022-06-11 | 🔲 | s/d | 2022-06-11 | 🔲 | | Cari |

| No Jual | Tanggal | Nama Kon... | Kode Barang | Nama Bara... | Harga Satu... | Jumlah | Total |
|---------|---------|-------------|-------------|--------------|---------------|--------|-------|
| 2 | 2022-06-11 | april | 1 | buku | 1000.0 | 7 | 7000.0 |
| 3 | 2022-06-11 | april | 1 | buku | 1000.0 | 7 | 7000.0 |

**Message** ✕

ⓘ  Sukses Export data .....

OK

Export                          Keluar

> Documents  >  NetBeansProjects  >  penjualan  >

| Name | Date modified | Type | Size |
|------|---------------|------|------|
| 📁 build | 30/05/2022 17.22 | File folder | |
| 📁 nbproject | 30/05/2022 17.18 | File folder | |
| 📁 src | 30/05/2022 17.18 | File folder | |
| 📁 test | 30/05/2022 17.35 | File folder | |
| 📄 build | 30/05/2022 17.18 | XML Document | 4 KB |
| 📊 DataPenjualan | 11/06/2022 14.39 | Microsoft Excel 97... | 1 KB |
| 📄 manifest.mf | Type: Microsoft Excel 97-2003 Worksheet 2 17.18 | MF File | 1 KB |

Type: Microsoft Excel 97-2003 Worksheet
Size: 167 bytes
Date modified: 11/06/2022 14.39

| | A | B | C | D | E | F | G | H | I |
|---|---|---|---|---|---|---|---|---|---|
| 1 | No Jual | Tanggal | Nama Kon | Kode Bara | Nama Bara | Harga Satuan | Jumlah | Total | |
| 2 | 2 | 11/06/2022 | april | | 1 buku | 1000.00.00 | | 7 7000.00.00 | |
| 3 | 3 | 11/06/2022 | april | | 1 buku | 1000.00.00 | | 7 7000.00.00 | |
| 4 | | | | | | | | | |