|  |  |
| --- | --- |
| **NIM**  **Name**  **Class**  **Semester**  **Lecturer**  **Account Github** | **L200134020**  **JONI**  **X**  **04**  **Bana Handaga *https://github.com/joni158*** |

**About My Application**

1. **Descriptions**
2. This is my first desktop application I make using python programming language.
3. Softwares that needed are IDLE Python Interpreter (Pyhton v.2.5), WxPython v.2.8 (as GUI Library), Boa Constructor (as IDE), MySQL Server (PHP and Apache in XAMPP), and Connector between Python to MySQL (MySQLdb module).
4. This application is information system of employee payroll that I have given name “SI(Ar-Risallah).py” (As main app).
5. This application is in directory of “InformationSystem\_EmployeePayroll”, put this folder in **C:\\**
6. **To Run This Application**
7. Install IDLE python interpreter and all modules needed above.
8. Install MySQL Server (PHP and Apache in XAMPP).
9. Creating database named “penggajian” in MySQL.
10. Creating tables with this codes :

|  |
| --- |
| *CREATE TABLE posisikaryawan (*  *ID\_posisi INTEGER(5) PRIMARY KEY NOT NULL,*  *nama\_posisi VARCHAR(45) NOT NULL,*  *gaji\_posisi INTEGER NOT NULL,*  *tunjangan\_posisi INTEGER,*  *lembur\_posisi INTEGER);*  *CREATE TABLE datakaryawan (*  *NIK INTEGER PRIMARY KEY NOT NULL,*  *nama VARCHAR(45) NOT NULL,*  *tempat\_lahir VARCHAR(45) NOT NULL,*  *tgl\_lahir DATE,*  *tgl\_masuk DATE,*  *jenis\_kelamin VARCHAR(10),*  *alamat VARCHAR(225),*  *telepon VARCHAR(15),*  *ID\_posisiFK INTEGER(5) REFERENCES posisikaryawan(ID\_posisi)*  *ON DELETE SET NULL ON UPDATE CASCADE);*  *CREATE TABLE gajikaryawan (*  *nota INTEGER(10) PRIMARY KEY NOT NULL,*  *total\_gaji INTEGER,*  *jam INTEGER,*  *NIKFK INTEGER REFERENCES datakaryawan(NIK)*  *ON DELETE SET NULL ON UPDATE CASCADE,*  *ID\_posisiFK INTEGER(5) REFERENCES posisikaryawan(ID\_posisi)*  *ON DELETE SET NULL ON UPDATE CASCADE);*  *INSERT INTO posisikaryawan (ID\_posisi, nama\_posisi, gaji\_posisi, tunjangan\_posisi, lembur\_posisi)*  *VALUES (1301, 'Manager', 7000000, 1000000, 50000);*  *INSERT INTO posisikaryawan (ID\_posisi, nama\_posisi, gaji\_posisi, tunjangan\_posisi, lembur\_posisi)*  *VALUES (1302, 'Sekretaris', 5000000, 500000, 30000);* |

1. After creating database, tables, and inserting some records. Just run this application by 2 left clicking on “SI(Ar-Risallah).py”
2. First frame will displayed **Login Frame**, just input username = **joni** and password = **12345**
3. In *karyawan frame*, we can insert, update, delete, seacrh, and view all employees. There is also some features that I make like auto inputted in *gaji pokok, tunjangan posisi,* and *lembur /jam* when I chose in combobox *(posisi).* Also when I click one of the data in list control, the data will automatically looked in form.
4. In *posisi frame*, we can insert, update, delete, seacrh, and view all positions. The feature of this, I think almost same with *karyawan frame.*
5. In *hitung gaji* frame, we want to print out a report of employee payroll. The *nota textfield* will auto increament. To count a payroll, just input **NIK** in *NIK textfield,* then press **Enter** and the position anf others will automatically inserted except *jam textfield* because we need to determine by ourself how many hours the employee working overtimes.
6. In *hitung gajii frame*, we can count, delete, and print out a report of employee payroll. The addition feature is button of ***cetak.*** Just click one of employee in data list control then press ***cetak.*** It will display a pop up that the file will be saved with **Ms.Excel.**
7. Directory of the Excel file is in **C:\Users\Public.**
8. The report will be displayed on the file, then just print out the report using printer.
9. **Bug**

There are some bugs on my applications :

1. On auto refresh of frame, for example when I delete or update a data, the views of data list control is not directly change. So we need to back to other frame and go back to the frame again (the data will change). **Still confusing how to auto update the frame.**

**THANK YOU**