LAMPIRAN

LAMPIRAN RINCIAN BIAYA DAN MANFAAT

A. **Biaya Proyek**

1. **Biaya Analisis system dan programmer**

   Standar Jakarta dengan tim programer senior

   1 Analis sistem 8 jam x 25 hari x 2 bulan x Rp.20.000 Rp. 8.000.000,00

   1 Programer   8 jam x 25 hari x 2 bulan x Rp.10.000 Rp. 4.000.000,00

   $\overline{\hspace{3cm}}$

   Rp.12.000.000,00

2. **Biaya konversi**

   a. Sistem Lama

Kertas 1 rim	– Rp 30.000
Pena box	– Rp 10.000
Buku tulis	– Rp 6.000
Staples	– Rp 2.500
Buku Absen	– Rp 8.000
Tipex	– Rp 4.000
Penggaris	– Rp 4.000
Refill tinta hitam	– Rp 30.000
Map	– Rp 2.000
Spidol	– Rp 3500 +
Total	**– Rp100.000**

   Total sistem lama selama 1 tahun = Rp 100.000 x 12 bulan

= Rp 1.200.000

   b. Sistem Baru

Kertas 1 rim	− Rp 30.000
Refill tinta	− Rp 30.000 +
Total	**− Rp 60.000**

Total sistem baru selama 1 tahun = Rp 60.000 x 12 bulan

                                        − Rp 720.000

    Jadi biaya konversi sistem :

    = Sistem lama + Sistem Baru

    = Rp 1.200.000 + Rp 720.000

    − Rp 1.920.000

3. **Biaya penerapan sistem**

  Biaya pelatihan personil

  Pelatihan personil dilakukan selama 1 hari dengan 1 peserta dengan

  rincian :

− Blok Note	− Rp 8.000
− Modul	− Rp 15.000
− Alat Tulis	− Rp 15.000
− Konsumsi 2 orang @ Rp 15.000 x 2	− Rp 60.000 +
Total pelatihan personil	**−Rp 98.500**
- Biaya set up program	− Rp 75.000
- Biaya pengetesan sistem	− Rp 50.000 +
	= Rp125.000 +

Jadi total biaya tahap penerapan   −Rp223.000

B. Biaya Operasi dan Perawatan

1. Biaya Listrik Tahun-1:

Penambahan Listrik dari sistem baru

Angka kedudukan meter		Faktor	Pemakaian Kwh
Akhir	Lalu	1	90
115098	115008		
Perincian			
Biaya beban 18.000 B.Blok 1 5.500 B.Blok 2 17.800 B.Blok 3 18.000			
		Jumlah : 59.300	

Tarif /Daya 900 VA

Jumlah pemakaian   − 90 kWh

Biaya beban   − Rp. 20.000,00 / kWh

Biaya Pemakaian

- Harga Blok I   : 0-20 kWh   − Rp. 275,00/kWh
- Harga Blok II   : 20-60 kWh   − Rp. 445,00/kWh
- Harga Blok III   : diatas 60 kWh   − Rp. 600,00/kWh

Perhitungan rekening listrik sebagai berikut:

a. Rupiah Biaya Beban− (900/1000) x Rp. 20.000,00 − Rp. 18.000,00

b. Pemakaian kWh   −115098 − 115008 − 90 kWh

Karena pemakaian dibagi 3 blok,maka:

c. Blok I (20 kWh), rupiah blok I – 20 x Rp. 275,00 – Rp. 5.500,00

d. Blok II(40 kWh), rupiah blok II – 40 x Rp. 445,00 – Rp. 17.800,00

e. Blok III(30 kWh),rupiah blok III– 30 x Rp. 600,00 – Rp. 18.000,00

Jumlah Rupiah Rekening **Rp 59.300,00**

Pajak penerangan jalan:

9% * Rp.59.300 – Rp 5053,5 + Rp. 59.300 – Rp. 64.637

Biaya Listrik Rp. 64.637 * 12 – **Rp. 755.644,00(u/Th-1)**

2. Biaya Tahun Listrik Tahun -2 mengalami peningkatan dalam pemakaian

nya yaitu 100 Kwh

Jumlah pemakaian – 100 kWh

Biaya beban – Rp. 20.000,00 / kWh

Biaya Pemakaian – Rp 115108 – 115008 – 100 kWh

Perhitungan rekening listrik sebagai berikut:

a. Rupiah Biaya Beban– (900/1000) x Rp. 20.000,00 – Rp. 18.000,00

b. Pemakaian kWh –115108 – 115008 – 100 kWh

c. Karena pemakaian dibagi 3 blok,maka:

d. Blok I (20 kWh), rupiah blok I – 20 x Rp. 275,00 – Rp. 5.500,00

e. Blok II(40 kWh), rupiah blok II – 40 x Rp. 445,00 – Rp. 17.800,00

f. Blok III(selebihnya) – 100-20-40 – 40 kWh

g. Rupiah Blok III – 40 x 600,00 – Rp. 24.000,00 +

Jumlah Rupiah Rekening **Rp. 65.300,00**

9% * Rp. 65.300,00 – Rp 5.877 + Rp. 65.300,00 – Rp. 71.177,00

Biaya Listrik Rp. 71.177* 12 – Rp. 854.124,00 (u/Thn-2)

3. Biaya Tahun Listrik Tahun -2 mengalami peningkatan dalam pemakaian nya yaitu 100 Kwh

Jumlah pemakaian   – 100 kWh

Biaya beban   – Rp. 20.000,00 / kWh

Biaya Pemakaian   – Rp 115108 – 115008 – 100 kWh

Perhitungan rekening listrik sebagai berikut:

a. Rupiah Biaya Beban– (900/1000) x Rp. 20.000,00 – Rp. 18.000,00

b. Pemakaian kWh   –115118 – 115008 – 110 kWh

c. Karena pemakaian dibagi 3 blok,maka:

d. Blok I (20 kWh), rupiah blok I   – 20 x Rp. 275,00 – Rp.   5.500,00

e. Blok II(40 kWh), rupiah blok II –   40 x Rp. 445,00 – Rp. 17.800,00

f. Blok III(selebihnya)   – 100-20-40 – 50 kWh

g. Rupiah Blok III   – 50 x 600.00   – Rp. 30.000,00 +

Jumlah Rupiah Rekening   Rp. 71.300,00

9% * Rp. 71.300,00 – Rp 6.417 + Rp. 71.300,00 – Rp. 77.717,00

Biaya Listrik Rp. 77.717* 12 – Rp. 932.604,00 (u/Thn-2)

C.   **Keuntungan Berwujud**

    1. **Pengurangan Biaya Operasi**

        -    Buku Absensi   – Rp 10.000

        -    CD Sony   – Rp 5.500

        -    Pena   – Rp 5.000

        -    Pengaris   – Rp 5.000

        -    Kertas   – Rp 30.000

- Tipe X		– Rp 4.000
- Spidol/Stabillo		– Rp 7.000 +

Total pengurangan biaya operasi   = Rp66.500

Total pengurangan biaya operasi selama 1 tahun

– Rp 66.500 x 12 bulan

– Rp 798.000

Untuk tahun ke-2 akan mengalami kenaikan sebesar 15%

= Rp 917.700

Untuk tahun ke-3 akan mengalami kenaikan sebesar 20%

= Rp 957.600

2. **Pengurangan Biaya Kesalahan proses**

- Kertas dalam mencetak laporan 100 lembar @ 150	– Rp 15.000
- Print untuk 100 lembar @ Rp 500 untuk hitam	– Rp 50.000
- Print untuk 100 lembar @ Rp 2000 untuk warna	– Rp 200.000
- Kertas Kwarto @ 30.000 x 1 (dalam sebulan)	– Rp 30.000
- Tinta Warna @ 40.000 x 1 (dalam sebulan)	– Rp 40.000
- Tinta Hitam @ 30.000 x 1 (dalam sebulan)	–Rp 30.000

Total pengurangan biaya kesalahan selama 1 tahun Rp 265.000

Total pengurangan biaya kesalahan selama 1 tahun

– Rp 265.000 x 12 bulan

– Rp 3.180.000

Untuk tahun ke-2 akan mengalami kenaikan 15%

– Rp 3.657.000

Untuk tahun ke-3 akan mengalami kenaikan 20%

= Rp 3.816.000

D. **Keuntungan Tak Berwujud**

1. **Peningkatan efisiensi Kerja**

   Pada sistem lama dalam pembuatan laporan membutuhkan waktu 4 jam lembur selama 3 hari dalam 1 bulan, karena adanya keterbatasan jumlah personil yang kerja. Pembuatan laporan dikerjakan 1 orang karyawan.

   - 4 jam
   - 1 orang – 4 jam/hari dalam 1 bulan
   - 1 orang – 4 x 3 – 12 jam/bulan
   - 1 jam – Rp 15.000

   lembur selama 1 bulan – 4 jam x 3 hari – 12 jam

   12 * Rp 15.000 – Rp 180.000

   Biaya selama 1 tahun – 12 * Rp 60.000

   – Rp 2.160.000

   Peningkatan efisiensi kerja tahun I   – Rp 2.160.000

   Peningkatan pada tahun ke II naik 15%

   Jadi peningkatan efisiensi kerja tahun ke II – Rp 2.484.000

   Peningkatan pada tahun ke III naik 20%

   Jadi peningkatan efisiensi kerja tahun ke II – Rp 2.592.000

2. **Pengurangan kesalahan rekap**

   Pengurangan kesalahan rekap

- Kertas 1 rim   – Rp 30.000
- Tinta Refil hitam   – Rp 30.000
- Tinta Refil Warna   – Rp 40.000+

  Total pengurangan kesalahan rekap   = **Rp 100.000**

Biaya selama 1 tahun   – 12 * Rp 100.000

      – Rp 1.200.000

Peningkatan efisiensi kerja tahun I   – Rp 1.200.000

Peningkatan pada tahun ke II naik 15%

Jadi peningkatan efisiensi kerja tahun ke II   – Rp 1.380.000

Peningkatan pada tahun ke III naik 20%

Jadi peningkatan efisiensi kerja tahun ke II   – Rp 1.440.000
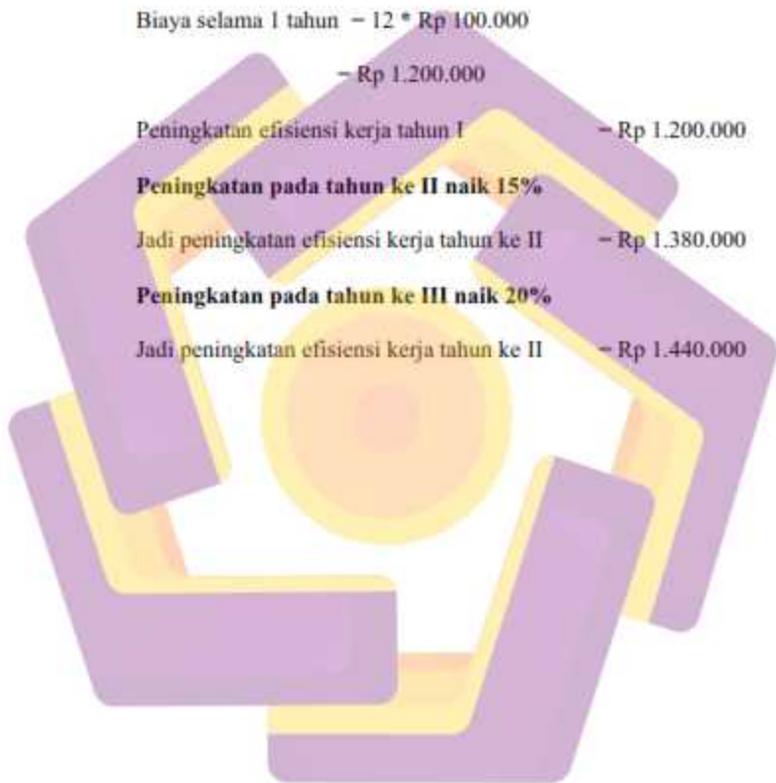
SOURCE CODE MIDDLE TIER DI JAVA

SESSION BEAN

```java
package presensi.session;


import java.util.List;
import javax.annotation.Resource;
import javax.ejb.Stateless;
import javax.persistence.EntityManager;
import javax.persistence.PersistenceContext;
import javax.sql.DataSource;
import presensi.entity.Cuti;
import presensi.entity.Departemen;
import presensi.entity.Golongan;
import presensi.entity.Ijin;
import presensi.entity.Jabatan;
import presensi.entity.Karyawan;
import presensi.entity.Pengguna;
import presensi.entity.Presensi;
@Stateless
public class sessionBean implements sessionLocal {
    @Resource(name = "jdbc/presensi")
    private DataSource jdbcPresensi;
    @PersistenceContext
    private EntityManager em;
    public void persist(Object object) {
        em.persist(object);
    }
```

WEB SERVICE

```java
package presensi.ws;
```

```java
import javax.ejb.EJB;

import javax.jws.Oneway;

import javax.jws.WebMethod;

import javax.jws.WebParam;

import javax.jws.WebService;

import presensi.session.sessionLocal;

@WebService()

public class ws {

    @EJB

    private sessionLocal ejbRef;

    // Add business logic below. (Right-click in editor and choose

    // "Web Service > Add Operation"

    @WebMethod(operationName = "persist")

    @Oneway

    public void persist(@WebParam(name = "object") Object object) {

        ejbRef.persist(object);    }

    @WebMethod(operationName = "getDataKaryawan")

    public String getDataKaryawan() {

        return ejbRef.getDataKaryawan();    }

    @WebMethod(operationName = "getDataGolongan")

    public String getDataGolongan() {

        return ejbRef.getDataGolongan();    }

    @WebMethod(operationName = "getDataJabatan")

    public String getDataJabatan() {

        return ejbRef.getDataJabatan();    }

    @WebMethod(operationName = "getDataDepartemen")

    public String getDataDepartemen() {

        return ejbRef.getDataDepartemen();    }

    @WebMethod(operationName = "getDataPengguna")

    public String getDataPengguna() {

        return ejbRef.getDataPengguna();    }

    @WebMethod(operationName = "getDataPresensi")
```

```java
public String getDataPresensi() {

    return ejbRef.getDataPresensi();   }

@WebMethod(operationName = "getDataCuti")

public String getDataCuti() {

    return ejbRef.getDataCuti();   }

@WebMethod(operationName = "getDataIjin")

public String getDataIjin() {

    return ejbRef.getDataIjin();   }

@WebMethod(operationName = "addPengguna")

public String addPengguna(@WebParam(name = "username") String

username, @WebParam(name = "pwd") String pwd, @WebParam(name = "status")

String status) {

    return ejbRef.addPengguna(username, pwd, status);   }

@WebMethod(operationName = "addKaryawan")

public String addKaryawan(@WebParam(name = "nik") String nik,

@WebParam(name = "nama") String nama, @WebParam(name = "tempatLahir")

String tempatLahir, @WebParam(name = "tglLahir") String tglLahir,

@WebParam(name = "gender") String gender, @WebParam(name = "alamat")

String alamat, @WebParam(name = "agama") String agama, @WebParam(name =

"tglMasuk") String tglMasuk, @WebParam(name = "idJabatan") String

idJabatan, @WebParam(name = "idGolongan") String idGolongan,

@WebParam(name = "idDepartemen") String idDepartemen, @WebParam(name =

"telefon") String telefon,@WebParam(name = "foto") String foto) {

    return ejbRef.addKaryawan(nik, nama, tempatLahir, tglLahir,

gender, alamat, agama, tglMasuk, idJabatan, idGolongan, idDepartemen,

telefon, foto);   }

@WebMethod(operationName = "addJabatan")

public String addJabatan(@WebParam(name = "idJabatan") String

idJabatan, @WebParam(name = "nmJabatan") String nmJabatan) {

    return ejbRef.addJabatan(idJabatan, nmJabatan);   }

@WebMethod(operationName = "addGolongan")
```

```java
public String addGolongan(@WebParam(name = "idGolongan") String
idGolongan, @WebParam(name = "nmGolongan") String nmGolongan) {
        return ejbRef.addGolongan(idGolongan, nmGolongan);    }
    @WebMethod(operationName = "addDepartemen")
    public String addDepartemen(@WebParam(name = "idDepartemen") String
idDepartemen, @WebParam(name = "nmDepartemen") String nmDepartemen) {
        return ejbRef.addDepartemen(idDepartemen, nmDepartemen);    }
    @WebMethod(operationName = "addCuti")
    public String addCuti(@WebParam(name = "noSuratCuti") String
noSuratCuti, @WebParam(name = "nik") String nik, @WebParam(name =
"tglMulaiCuti") String tglMulaiCuti, @WebParam(name = "tglSelesaiCuti")
String tglSelesaiCuti, @WebParam(name = "keterangan") String keterangan)
{        return ejbRef.addCuti(noSuratCuti, nik, tglMulaiCuti,
tglSelesaiCuti, keterangan);    }
    @WebMethod(operationName = "addIjin")
    public String addIjin(@WebParam(name = "nik") String nik,
@WebParam(name = "tglMulaiIjin") String tglMulaiIjin, @WebParam(name =
"tglSelesaiIjin") String tglSelesaiIjin, @WebParam(name = "keterangan")
String keterangan) {        return ejbRef.addIjin(nik, tglMulaiIjin,
tglSelesaiIjin, keterangan);    }
    @WebMethod(operationName = "addPresensi")
    public String addPresensi(@WebParam(name = "nik") String nik,
@WebParam(name = "tglPresensi") String tglPresensi, @WebParam(name =
"presensiMasuk") String presensiMasuk, @WebParam(name = "presensiPulang")
String presensiPulang, @WebParam(name = "keterangan") String keterangan)
{        return ejbRef.addPresensi(nik, tglPresensi, presensiMasuk,
presensiPulang, keterangan);    }
    @WebMethod(operationName = "delJabatan")
    public String delJabatan(@WebParam(name = "idJabatan") String
idJabatan) {        return ejbRef.delJabatan(idJabatan);    }
    @WebMethod(operationName = "delGolongan")
```

```java
    public String delGolongan(@WebParam(name = "idGolongan") String
idGolongan) {          return ejbRef.delGolongan(idGolongan);      }

    @WebMethod(operationName = "delDepartemen")

    public String delDepartemen(@WebParam(name = "idDepartemen") String
idDepartemen) {          return ejbRef.delDepartemen(idDepartemen);      }

    @WebMethod(operationName = "delPresensi")

    public String delPresensi(@WebParam(name = "idPresensi") String
idPresensi) {          return ejbRef.delPresensi(idPresensi);      }

    @WebMethod(operationName = "delKaryawan")

    public String delKaryawan(@WebParam(name = "nik") String nik) {

        return ejbRef.delKaryawan(nik);      }

    @WebMethod(operationName = "editPresensi")

    public String editPresensi(@WebParam(name = "idPresensi") String
idPresensi, @WebParam(name = "nik") String nik, @WebParam(name =
"tglPresensi") String tglPresensi, @WebParam(name = "presensiMasuk")
String presensiMasuk, @WebParam(name = "presensiPulang") String
presensiPulang, @WebParam(name = "keterangan") String keterangan) {

        return ejbRef.editPresensi(idPresensi, nik, tglPresensi,
presensiMasuk, presensiPulang, keterangan);      }

    @WebMethod(operationName = "delCuti")

    public String delCuti(@WebParam(name = "idCuti") String idCuti) {

        return ejbRef.delCuti(idCuti);      }

    @WebMethod(operationName = "delIjin")

    public String delIjin(@WebParam(name = "idIjin") String idIjin) {

        return ejbRef.delIjin(idIjin);      }

    @WebMethod(operationName = "editJabatan")

    public String editJabatan(@WebParam(name = "idJabatan") String
idJabatan, @WebParam(name = "nmJabatan") String nmJabatan) {

        return ejbRef.editJabatan(idJabatan, nmJabatan);      }

    @WebMethod(operationName = "editGolongan")

    public String editGolongan(@WebParam(name = "idGolongan") String
idGolongan, @WebParam(name = "nmGolongan") String nmGolongan) {
```

```java
        return ejbRef.editGolongan(idGolongan, nmGolongan);    }

    @WebMethod(operationName = "editDepartemen")
    public String editDepartemen(@WebParam(name = "idDepartemen") String
idDepartemen, @WebParam(name = "nmDepartemen") String nmDepartemen) {

        return ejbRef.editDepartemen(idDepartemen, nmDepartemen);    }

    @WebMethod(operationName = "editCuti")
    public String editCuti(@WebParam(name = "idCuti") String idCuti,
@WebParam(name = "noSuratCuti") String noSuratCuti, @WebParam(name =
"nik") String nik, @WebParam(name = "tglMulaiCuti") String tglMulaiCuti,
@WebParam(name = "tglSelesaiCuti") String tglSelesaiCuti, @WebParam(name
= "keterangan") String keterangan) {

        return ejbRef.editCuti(idCuti, noSuratCuti, nik, tglMulaiCuti,
tglSelesaiCuti, keterangan);    }

    @WebMethod(operationName = "editIjin")
    public String editIjin(@WebParam(name = "idIjin") String idIjin,
@WebParam(name = "nik") String nik, @WebParam(name = "tglMulaiIjin")
String tglMulaiIjin, @WebParam(name = "tglSelesaiIjin") String
tglSelesaiIjin, @WebParam(name = "keterangan") String keterangan) {

        return ejbRef.editIjin(idIjin, nik, tglMulaiIjin, tglSelesaiIjin,
keterangan);    }

    @WebMethod(operationName = "editKaryawan")
    public String editKaryawan(@WebParam(name = "nik") String nik,
@WebParam(name = "nama") String nama, @WebParam(name = "tempatLahir")
String tempatLahir, @WebParam(name = "tglLahir") String tglLahir,
@WebParam(name = "gender") String gender, @WebParam(name = "alamat")
String alamat, @WebParam(name = "agama") String agama, @WebParam(name =
"tglMasuk") String tglMasuk, @WebParam(name = "idJabatan") String
idJabatan, @WebParam(name = "idGolongan") String idGolongan,
@WebParam(name = "idDepartemen") String idDepartemen, @WebParam(name =
"telefon") String telefon, @WebParam(name = "foto") String foto) {
```

```java
        return ejbRef.editKaryawan(nik, nama, tempatLahir, tglLahir,
gender, alamat, agama, tglMasuk, idJabatan, idGolongan, idDepartemen,
telefon, foto);    }

    @WebMethod(operationName = "loginAdmin")
    public String loginAdmin(@WebParam(name = "username") String
username, @WebParam(name = "pwd") String pwd) {
        return ejbRef.loginAdmin(username, pwd);    }

    @WebMethod(operationName = "getIdGol")
    public String getIdGol(@WebParam(name = "idGolongan") String
idGolongan) {        return ejbRef.getIdGol(idGolongan);    }

    @WebMethod(operationName = "getIdDept")
    public String getIdDept(@WebParam(name = "idDepartemen") String
idDepartemen) {        return ejbRef.getIdDept(idDepartemen);    }

    @WebMethod(operationName = "getIdPengg")
    public String getIdPengg(@WebParam(name = "userId") String userId) {
        return ejbRef.getIdPengg(userId);    }

    @WebMethod(operationName = "delPengguna")
    public String delPengguna(@WebParam(name = "userId") String userId) {
        return ejbRef.delPengguna(userId);    }

    @WebMethod(operationName = "editPengguna")
    public String editPengguna(@WebParam(name = "userId") String userId,
@WebParam(name = "username") String username, @WebParam(name = "pwd")
String pwd, @WebParam(name = "status") String status) {
        return ejbRef.editPengguna(userId, username, pwd, status);    }

    @WebMethod(operationName = "getIdJab")
    public String getIdJab(@WebParam(name = "idJabatan") String
idJabatan) {        return ejbRef.getIdJab(idJabatan);    }

    @WebMethod(operationName = "getIdKary")
    public String getidKary(@WebParam(name = "nik") String nik) {
        return ejbRef.getIdKary(nik);    }

    @WebMethod(operationName = "getIdPres")
```

```java
    public String getIdPres(@WebParam(name = "idPresensi") String
idPresensi) {        return ejbRef.getIdPres(idPresensi);     }

    @WebMethod(operationName = "getIdCti")
    public String getIdCti(@WebParam(name = "idCuti") String idCuti) {

        return ejbRef.getIdCti(idCuti);     }

    @WebMethod(operationName = "getIdIjn")
    public String getIdIjn(@WebParam(name = "idIjin") String idIjin) {

        return ejbRef.getIdIjn(idIjin);     }

    @WebMethod(operationName = "cariKaryawan")
    public String cariKaryawan(@WebParam(name = "cari") String cari) {

        //TODO write your implementation code here:

        return ejbRef.cariKaryawan(cari);

    }

}
```

PERSISTENCE XML

```xml
<?xml version="1.0" encoding="UTF-8"?>
<persistence version="1.0" xmlns="http://java.sun.com/xml/ns/persistence"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://java.sun.com/xml/ns/persistence
http://java.sun.com/xml/ns/persistence/persistence_1_0.xsd">
  <persistence-unit name="AplikasiEnterprisePresensi-ejbPU" transaction-
type="JTA">
    <jta-data-source>jdbc/presensi</jta-data-source>
    <properties/>
  </persistence-unit>
</persistence>
```

SUN-JAR-EJB XML

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE sun-ejb-jar PUBLIC "-//Sun Microsystems, Inc.//DTD Application
Server 9.0 EJB 3.0//EN" "http://www.sun.com/software/appserver/dtds/sun-
ejb-jar_3_0-0.dtd">
```

```xml
<sun-ejb-jar>

  <enterprise-beans>

    <ejb>

      <ejb-name>sessionBean</ejb-name>

      <resource-ref>

        <res-ref-name>jdbc/presensi</res-ref-name>

        <jndi-name>jdbc/presensi</jndi-name>

      </resource-ref>

    </ejb>

  </enterprise-beans>

</sun-ejb-jar>
```
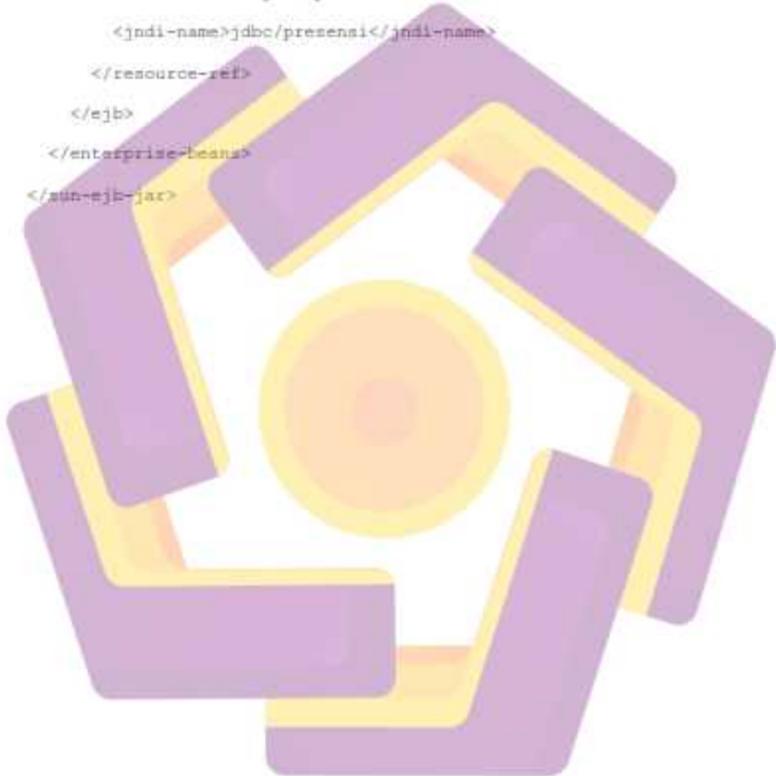
Form Presensi

```vb
Dim i As Long
Dim id_baru As String
Dim max As Integer
Dim minute_telat As String
Dim j As Long
Dim isisubitemx As ListItem
Dim jml_telat As Integer
Private Sub Command1_Click()
Unload Me
End Sub

Private Sub Command2_Click()
DE.rsPresensi.AddNew
id_automatik
encript (id_baru)
DE.rsPresensi.Fields(0) = hasil1
DE.rsPresensi.Fields(1) = DE.rskaryawan.Fields(0)
encript (Format(Date, "dd/mm/yyyy"))
DE.rsPresensi.Fields(2) = hasil1
encript (Format(Time, "hh:mm"))
DE.rsPresensi.Fields(3) = hasil1
encript (Format(Time, "hh:mm"))
DE.rsPresensi.Fields(4) = hasil1
encript ("4 menit")
DE.rsPresensi.Fields(5) = hasil1
DE.rsPresensi.Update
DE.rsPresensi.Requery
isilist
End Sub

Private Sub batal_Click()
Me.Frame1.Visible = False
Me.listsubitem.SetFocus
End Sub

Private Sub Form_Activate()
Me.listsubitem.SetFocus

End Sub

Private Sub Form_Click()
Me.listsubitem.SetFocus

End Sub

Private Sub Form_KeyDown(KeyCode As Integer, Shift As Integer)
If KeyCode <> 16 And KeyCode <> 13 Then
Me.Text1(0).Text = Me.Text1(0).Text & Chr(KeyCode)
End If
Me.Width = Screen.Width
Me.Height = Screen.Height
End Sub

Private Sub Form_Load()
```

```vb
isilist
If DE.rskaryawan.State = 0 Then DE.rskaryawan.Open
If DE.rsPresensi.State = 0 Then DE.rsPresensi.Open
If DE.rsCuti.State = 0 Then DE.rsCuti.Open
If DE.rsIjin.State = 0 Then DE.rsIjin.Open
isi_time
End Sub
Sub isilist()
Dim i As Integer
listsubitem.ListItems.Clear
With DE.rsPresensi
If .State = 0 Then .Open
If .RecordCount <> 0 Then
.MoveFirst
For i = 1 To .RecordCount
decript (.Fields(2))
If Month(hasil1) = Month(Date) And Day(hasil1) = Day(Date) And Year(hasil1) = Year(Date) Then
    decript (.Fields(0))
    Set isisubitemx = listsubitem.ListItems.Add(, , UCase(hasil1))
    decript (.Fields(1))
    isisubitemx.SubItems(1) = UCase(hasil1)
    decript (.Fields(2))
    isisubitemx.SubItems(2) = UCase(hasil1)
    decript (.Fields(3))
    isisubitemx.SubItems(3) = UCase(hasil1)
    decript (.Fields(4))
    isisubitemx.SubItems(4) = UCase(hasil1)
    decript (.Fields(5))
    isisubitemx.SubItems(5) = UCase(hasil1)
    'decript (.Fields(6))
    'isisubitemx.SubItems(6) = UCase(hasil1)
End If
.MoveNext
Next i
'Me.listsubitem.SetFocus
Else
MsgBox "record kosong"
End If
End With
If Me.listsubitem.ListItems.Count = 0 Then Exit Sub
Me.listsubitem.ListItems(Me.listsubitem.ListItems.Count).Selected = True
For i = 1 To Me.listsubitem.ListItems.Count
If Me.listsubitem.ListItems(i).ListSubItems(4).Text <> "...." Then
Me.listsubitem.ListItems(i).ForeColor = vbRed
Me.listsubitem.ListItems(i).Bold = True
Me.listsubitem.ListItems(i).ListSubItems(1).ForeColor = vbRed
Me.listsubitem.ListItems(i).ListSubItems(1).Bold = True
Me.listsubitem.ListItems(i).ListSubItems(2).ForeColor = vbRed
Me.listsubitem.ListItems(i).ListSubItems(2).Bold = True
Me.listsubitem.ListItems(i).ListSubItems(3).ForeColor = vbRed
Me.listsubitem.ListItems(i).ListSubItems(3).Bold = True
Me.listsubitem.ListItems(i).ListSubItems(4).ForeColor = vbRed
Me.listsubitem.ListItems(i).ListSubItems(4).Bold = True
Me.listsubitem.ListItems(i).ListSubItems(5).ForeColor = vbRed
Me.listsubitem.ListItems(i).ListSubItems(5).Bold = True
End If
```

```vb
Next
End Sub
Sub id_automatik()
Dim id_str As String
Dim id_angka As Integer
Dim i As Integer
Dim max As Integer
If DE.rsPresensi.State = 0 Then DE.rsPresensi.Open
If DE.rsPresensi.RecordCount <> 0 Then
DE.rsPresensi.MoveFirst
For i = 0 To DE.rsPresensi.RecordCount - 1
decript (DE.rsPresensi.Fields(0))
 If Val(Right(hasil1, 4)) > max Then
 max = Val(Right(hasil1, 4))
 End If
 DE.rsPresensi.MoveNext
Next
Else
max = 0
End If
'decript (DE.rsPresensi.Fields(0))
'id_str = Right(RTrim(LTrim(hasil1)), 4)
id_angka = max
id_angka = id_angka + 1
id_baru = Str(RTrim(LTrim(id_angka)))
If Len(id_angka) < 4 Then
For i = 1 To 4 - (Len(RTrim(LTrim(id_angka))))
id_baru = "0" & LTrim(RTrim(id_baru))
Next
End If
id_baru = "PR" & id_baru
End Sub




Private Sub Form_Unload(Cancel As Integer)
menu.Show
End Sub

Private Sub hapus_Click()
If UCase(tipe_op) <> "ADMIN" Then
MsgBox "Hanya Admin yang bisa menghapus", vbCritical, "Warning"
Exit Sub
End If
If MsgBox("Apakah data ini benar-benar akan dihapus?", vbQuestion + vbYesNo, "Konfirmsi") = vbYes
Then
DE.rsPresensi.Delete
isilist
Me.listsubitem.SetFocus
Else
Exit Sub
End If
check_foto
End Sub
```

```
Private Sub hapus2_Click()
If UCase(tipe_op) <> "ADMIN" Then
MsgBox "Hanya Admin yang bisa menghapus", vbCritical, "Warning"
Exit Sub
End If
If MsgBox("apakah data ini benar-benar akan dihapus", vbQuestion + vbYesNo, "Konfirmasi") = vbNo
Then Exit Sub
For i = Me.listsubitem.ListItems.Count To 1 Step -1
If listsubitem.ListItems(i).Checked = True Then
encript (Me.listsubitem.ListItems(i).Text)
cari_data (hasil1)
DE.rsPresensi.Delete
End If
Next
isilist
Me.listsubitem.SetFocus
check_foto
End Sub

Private Sub Label3_Click()
If UCase(tipe_op) <> "ADMIN" Then
MsgBox "Hanya Admin yang bisa merubah waktu", vbCritical, "Warning"
Exit Sub
End If
Me.Frame1.Visible = True
Me.Text1(2).Text = Me.Label3.Caption
Me.Text1(3).Text = Me.Label4.Caption
End Sub

Private Sub Label4_Click()
Me.Text1(1).Text = ""
If UCase(tipe_op) <> "ADMIN" Then
MsgBox "Hanya Admin yang bisa merubah waktu", vbCritical, "Warning"
Exit Sub
End If
Me.Frame1.Visible = True
Me.Text1(1).Text = ""
Me.Text1(2).Text = Me.Label3.Caption
Me.Text1(3).Text = Me.Label4.Caption
End Sub

Private Sub listsubitem_GotFocus()
check_foto
End Sub

Private Sub listsubitem_ItemClick(ByVal Item As MSComctlLib.ListItem)
encript (Item)
cari_data (hasil1)
encript (Item.ListSubItems(1).Text)
cari (hasil1)
decript (DE.rskaryawan.Fields(13))
Me.Image1.Picture = LoadPicture(App.Path & "\FOTO\" & hasil1)
decript (DE.rskaryawan.Fields(2))
Me.Label6.Caption = UCase(hasil1)
End Sub
```

```vb
Private Sub listsubitem_KeyDown(KeyCode As Integer, Shift As Integer)
If KeyCode <> 16 And KeyCode <> 13 Then
Me.Text1(0).Text = Me.Text1(0).Text & Chr(KeyCode)
End If
If KeyCode = 13 Then
Me.No_rfid.Caption = Right(Me.Text1(0).Text, 10)
End If
If KeyCode = 46 Then
If UCase(tipe_op) <> "ADMIN" Then
MsgBox "Hanya Admin yang bisa menghapus", vbCritical, "Warning"
Exit Sub
End If
If MsgBox("apakah data ini benar-benar akan dihapus", vbQuestion + vbYesNo, "Konfirmasi") = vbNo
Then Exit Sub
For i = Me.listsubitem.ListItems.Count To 1 Step -1
If listsubitem.ListItems(i).Checked = True Then
encript (Me.listsubitem.ListItems(i).Text)
cari_data (hasil1)
DE.rsPresensi.Delete
End If
Next
isilist
Me.listsubitem.SetFocus
check_foto
End If
If KeyCode = 118 Then
If Timer1.Enabled = True Then
Timer1.Enabled = False
Else
Timer1.Enabled = True
End If
End If
End Sub

Private Sub listsubitem_MouseDown(Button As Integer, Shift As Integer, x As Single, y As Single)
If Button = 2 Then
'Me.Timer1.Enabled = False
PopupMenu file, vbPopupMenuRightButton, , , keluar
'Me.Timer1.Enabled = True
End If
End Sub

Private Sub No_rfid_Change()
Dim jml As Integer
absent
'Exit Sub
'MsgBox jml
'If Me.listsubitem.ListItems.Count = 1 Then
Me.No_rfid.Caption = ""
'Exit Sub

jml = Me.listsubitem.ListItems.Count
jml = Me.listsubitem.ListItems.Count
jml = Me.listsubitem.ListItems.Count
On Error Resume Next
encript (Me.listsubitem.ListItems(jml).ListSubItems(1).Text)
```

```vb
cari (hasil1)
decript (DE.rskaryawan.Fields(13))
Me.Image1.Picture = LoadPicture(App.Path & "\FOTO\" & hasil1)
decript (DE.rskaryawan.Fields(2))
Me.Label6.Caption = UCase(hasil1)
'End If
'Me.No_rfid.Caption = ""
End Sub

Sub absent()
'MsgBox "masuk"
Dim nik1 As String
Dim y As Long
Dim h As Long
Dim nik2 As String
Dim tgl1 As String
Dim kar As String
Dim tgl2 As String
Dim tgl3 As String
    DE.rskaryawan.MoveFirst
    For y = 0 To DE.rskaryawan.RecordCount - 1
    encript (Me.No_rfid.Caption)
    If DE.rskaryawan.Fields(1) = hasil1 Then
    If DE.rsCuti.RecordCount <> 0 Then
    DE.rsCuti.MoveFirst
    For i = 0 To DE.rsCuti.RecordCount - 1
    decript (DE.rsCuti.Fields(3))
    tgl2 = hasil1
    decript (DE.rsCuti.Fields(4))
    tgl3 = hasil1
    If DE.rskaryawan.Fields(0) = DE.rsCuti.Fields(2) Then
      If Val(Day(Date)) >= Val(Left(tgl2, 2)) And Val(Month(Date)) >= Val(Mid(tgl2, 4, 2)) And
Val(Year(Date)) >= Val(Right(tgl2, 4)) And (Val(Day(Date)) <= Val(Left(tgl3, 2)) And Val(Month(Date)) <=
Val(Mid(tgl3, 4, 2)) And Val(Year(Date)) <= Val(Right(tgl3, 4))) Then
      MsgBox "Anda berada dalam masa cuti", vbCritical, "Warning"
      Exit Sub
      End If
    End If
    DE.rsCuti.MoveNext
    Next
    End If
    If DE.rsIjin.RecordCount <> 0 Then
    DE.rsIjin.MoveFirst
    For h = 0 To DE.rsIjin.RecordCount - 1
    decript (DE.rsIjin.Fields(2))
    tgl2 = hasil1
    decript (DE.rsIjin.Fields(3))
    tgl3 = hasil1
    If DE.rskaryawan.Fields(0) = DE.rsIjin.Fields(1) Then
      If Val(Day(Date)) >= Val(Left(tgl2, 2)) And Val(Month(Date)) >= Val(Mid(tgl2, 4, 2)) And
Val(Year(Date)) >= Val(Right(tgl2, 4)) And Val(Day(Date)) <= Val(Left(tgl3, 2)) And Val(Month(Date)) <=
Val(Mid(tgl3, 4, 2)) And Val(Year(Date)) <= Val(Right(tgl3, 4)) Then
      MsgBox "Anda berada dalam masa ijin", vbCritical, "Warning"
      Exit Sub
      End If
    End If
```

```vbnet
        DE.rsljin.MoveNext
        Next
      End If
      DE.rsPresensi.MoveFirst
      For j = 0 To DE.rsPresensi.RecordCount - 1
      decript (DE.rsPresensi.Fields(1))
      nik1 = hasil1
      decript (DE.rskaryawan.Fields(0))
      nik2 = hasil1
      decript (DE.rsPresensi.Fields(2))
      tgl1 = hasil1
      decript (DE.rsPresensi.Fields(4))
      If nik1 = nik2 And tgl1 = Format(Date, "dd/mm/yyyy") And hasil1 <> "...." Then
      MsgBox "Maaf anda telah melakukan presensi pulang", , "pemberitahuan"
      Exit Sub
      End If
      If nik1 = nik2 And tgl1 = Format(Date, "dd/mm/yyyy") Then
      If (Val(Hour(Time)) * 60) + Val(Minute(Time)) > (Val(Left(Me.Label4.Caption, 2)) * 60) +
Val(Right(Me.Label4.Caption, 2)) Then
      encript (Format(Time, "hh:mm"))
      DE.rsPresensi.Fields(4) = hasil1
      DE.rsPresensi.Update
      DE.rsPresensi.Requery
      isilist
      Exit Sub
      Else
      MsgBox "presensi pulang tidak bisa dilakukan sebelum jam pulang", vbCritical
      Exit Sub
      End If
      End If
      DE.rsPresensi.MoveNext
      Next
      'If Val(minute_telat) > 60 Then
      'MsgBox "Anda sudah telat 60 jam", vbCritical, "Warning"
      'Exit Sub
      'End If
      keterlambatan
      If jml_telat > 60 Then
      MsgBox "anda telat 60 menit", vbCritical, "Warning"
      Exit Sub
      End If
      id_automatik
      DE.rsPresensi.AddNew
      encript (id_baru)
      DE.rsPresensi.Fields(0) = hasil1
      DE.rsPresensi.Fields(1) = DE.rskaryawan.Fields(0)
      encript (Format(Date, "dd/mm/yyyy"))
      DE.rsPresensi.Fields(2) = hasil1
      encript (Format(Time, "hh:mm"))
      DE.rsPresensi.Fields(3) = hasil1
      encript ("....")
      DE.rsPresensi.Fields(4) = hasil1
      keterlambatan
      encript (minute_telat)
      DE.rsPresensi.Fields(5) = hasil1
      DE.rsPresensi.Update
```

```vb
    DE.rsPresensi.Requery
    isilist
    End If
    DE.rskaryawan.MoveNext
    Next

End Sub
Sub cari_data(key As String)
Dim j As Integer
If DE.rsPresensi.State = 0 Then DE.rsPresensi.Open
DE.rsPresensi.MoveFirst
For j = 0 To DE.rsPresensi.RecordCount - 1
If DE.rsPresensi.Fields(0) = key Then
Exit Sub
Else
DE.rsPresensi.MoveNext
End If
Next
End Sub

Sub keterlambatan()
Dim jml_menit1 As Integer
Dim jml_menit2 As Integer
jml_menit1 = (Val(Left(Me.Label3.Caption, 2)) * 60) + Val(Right(Me.Label3.Caption, 2))
jml_menit2 = (Val(Hour(Time)) * 60) + Val(Minute(Time))
If jml_menit1 < jml_menit2 Then
minute_telat = Str(jml_menit2 - jml_menit1) & " Menit"
Else
minute_telat = "tidak terlambat"
End If
jml_telat = jml_menit2 - jml_menit1
End Sub

Private Sub Timer1_Timer()
'res = SetWindowPos(Me.hWnd, HWND_TOPMOST, 0, 0, 0, 0, flags)
End Sub

Private Sub Simpan_Click()
encript (id_operator)
cari2 (hasil1)


End Sub

Private Sub Timer2_Timer()
Me.Label5.Caption = Format(Time, "hh:mm:ss")
End Sub

Private Sub Timer3_Timer()
Me.Label7.Caption = Format(Date, "dddd,dd-mm-yyyy")
End Sub

Private Sub XPButton4_Click()
menu.Show
Unload Me
End Sub
```

```vb
Sub cari(key As String)
Dim j As Integer
If DE.rskaryawan.State = 0 Then DE.rskaryawan.Open
DE.rskaryawan.MoveLast
DE.rskaryawan.MoveFirst
For j = 0 To DE.rskaryawan.RecordCount - 1
If DE.rskaryawan.Fields(0) = key Then
Exit Sub
Else
DE.rskaryawan.MoveNext
End If
Next

End Sub

Sub isi_time()
If DE.rsTimex.State = 0 Then DE.rsTimex.Open
decript (DE.rsTimex.Fields(0))
Me.Label3.Caption = hasil1
decript (DE.rsTimex.Fields(1))
Me.Label4.Caption = hasil1
End Sub

Sub cari2(key As String)
Dim j As Integer
If DE.rsOperator.State = 0 Then DE.rsOperator.Open
DE.rsOperator.MoveFirst
For j = 0 To DE.rsOperator.RecordCount - 1
If DE.rsOperator.Fields(0) = key Then
 encript (Me.Text1(1).Text)
 If DE.rsOperator.Fields(2) = hasil1 Then
   DE.rsTimex.MoveFirst
   If Me.Text1(2).Text <> "" Then
   encript (Me.Text1(2).Text)
   DE.rsTimex.Fields(0) = hasil1
   Else
   MsgBox "Jam Masuk kerja kosong", vbCritical, "Warning"
   End If

   If Me.Text1(3).Text <> "" Then
   encript (Me.Text1(3).Text)
   DE.rsTimex.Fields(1) = hasil1
   Else
   MsgBox "Jam Masuk Pulang kosong", vbCritical, "Warning"
   End If
   DE.rsTimex.Update
   DE.rsTimex.Requery
   MsgBox "Waktu telah diubah"
   isi_time
   Me.Frame1.Visible = False
   Me.listsubitem.SetFocus
   Exit Sub
 End If
Else
DE.rsOperator.MoveNext
End If
```

```
Next
MsgBox "Password and salah"
End Sub

Sub check_foto()
If Me.listsubitem.ListItems.Count <> 0 Then
encript (listsubitem.SelectedItem.Text)
cari_data (hasil1)
encript (Me.listsubitem.SelectedItem.ListSubItems(1).Text)
cari (hasil1)
decript (DE.rskaryawan.Fields(13))
Me.Image1.Picture = LoadPicture(App.Path & "\FOTO\" & hasil1)
decript (DE.rskaryawan.Fields(2))
Me.Label6.Caption = UCase(hasil1)
Else
Me.Image1.Picture = LoadPicture("")
Me.Label6.Caption = "Nama Karyawan"
End If

End Sub

-------------------------------------------------
Form Operator
-------------------------------------------------

Dim isisubitemx As ListItem
Dim id_baru As String
Dim i As Integer
Dim tambah_data As Boolean


Private Sub XPButton1_Click()
menu.Show
Unload Me
End Sub

Sub id_automatik()
Dim id_str As String
Dim id_angka As Integer
Dim i As Integer
Dim max As Integer
If DE.rsOperator.State = 0 Then DE.rsOperator.Open
If DE.rsOperator.RecordCount <> 0 Then
DE.rsOperator.MoveFirst
For i = 0 To DE.rsOperator.RecordCount - 1
decript (DE.rsOperator.Fields(0))
 If Val(Right(hasil1, 4)) > max Then
 max = Val(Right(hasil1, 4))
 End If
 DE.rsOperator.MoveNext
Next
'decript (DE.rsOperator.Fields(0))
'id_str = Right(RTrim(LTrim(hasil1)), 4)
id_angka = max
id_angka = id_angka + 1
id_baru = Str(RTrim(LTrim(id_angka)))
If Len(id_angka) < 4 Then
```

```vb
For i = 1 To 4 - (Len(RTrim(LTrim(id_angka))))
id_baru = "0" & LTrim(RTrim(id_baru))
Next
End If
id_baru = "ID" & id_baru
Else
id_baru = "ID0001"

End If
End Sub

Private Sub batal_Click()
offsimpan
tambah_data = False
kuncitext
isilist
Me.listsubitem.SetFocus
Me.Frame1.Visible = False
End Sub

Private Sub edit_Click()
'id_automatik
'Me.Text1(0).Text = id_baru
buka_kunci
onsimpan
tambah_data = False
'tambah_data = True
Me.Frame1.Visible = True
encript (Me.listsubitem.SelectedItem.Text)
cari_data (hasil1)
Me.Text1(0).Text = Me.listsubitem.SelectedItem.Text
Me.Text1(3).Text = Me.listsubitem.SelectedItem.ListSubItems(1).Text
Me.Combo1(0).Text = Me.listsubitem.SelectedItem.ListSubItems(3).Text
Me.Text1(1).Text = Me.listsubitem.SelectedItem.ListSubItems(2).Text
End Sub

Private Sub Form_Load()
isicombo
isilist
kuncitext
End Sub

Private Sub hapus_Click()
If MsgBox("Apakah data ini benar-benar akan dihapus?", vbQuestion + vbYesNo, "Konfirmsi") = vbYes
Then
DE.rsOperator.Delete
isilist
Me.listsubitem.SetFocus
Else
Exit Sub
End If
End Sub

Private Sub listsubitem_GotFocus()
If Me.listsubitem.ListItems.Count = 0 Then Exit Sub
encript (listsubitem.SelectedItem.Text)
```

```
cari_data (hasil1)
'Me.Text1(0).Text = Item.Text
'Me.Text1(3).Text = Item.ListSubItems(1).Text
'Me.Combo1(0).Text = Item.ListSubItems(2).Text
'Me.Text1(1).Text = Item.ListSubItems(3).Text
End Sub

Private Sub listsubitem_ItemClick(ByVal Item As MSComctlLib.ListItem)
encript (Item.Text)
cari_data (hasil1)
Me.Text1(0).Text = Item.Text
Me.Text1(3).Text = Item.ListSubItems(1).Text
Me.Combo1(0).Text = Item.ListSubItems(2).Text
Me.Text1(1).Text = Item.ListSubItems(3).Text
End Sub

Private Sub listsubitem_MouseDown(Button As Integer, Shift As Integer, x As Single, y As Single)
If Button = 2 Then
'Me.Timer1.Enabled = False
PopupMenu file, vbPopupMenuRightButton, , , keluar
'Me.Timer1.Enabled = True
End If
End Sub

Private Sub Simpan_Click()
If MsgBox("Apakah anda benar-benar ingin menyimpan data ini?", vbQuestion + vbYesNo, "Konfirmasi")
= vbNo Then Exit Sub
If tambah_data = True Then
DE.rsOperator.AddNew
End If
encript (LTrim(RTrim(Me.Text1(0).Text)))
DE.rsOperator.Fields(0) = hasil1
encript LTrim(RTrim((Me.Text1(3).Text)))
DE.rsOperator.Fields(1) = hasil1
encript LTrim(RTrim((Me.Text1(1).Text)))
DE.rsOperator.Fields(2) = hasil1
encript LTrim(RTrim((Me.Combo1(0).Text)))
DE.rsOperator.Fields(3) = hasil1
DE.rsOperator.Update
DE.rsOperator.Requery
offsimpan
tambah_data = False
isilist
Me.listsubitem.SetFocus
kuncitext
Me.Frame1.Visible = False
End Sub

Private Sub tambah_Click()
Me.Text1(0).Text = ""
Me.Text1(3).Text = ""
id_automatik
Me.Combo1(0).Text = "Admin"
Me.Text1(1) = ""
Me.Text1(0).Text = id_baru
onsimpan
```

```
tambah_data = True
buka_kunci
Me.Frame1.Visible = True
End Sub
Sub offsimpan()
Me.Simpan.Enabled = False
Me.batal.Enabled = False
End Sub

Sub onsimpan()
Me.Simpan.Enabled = True
Me.batal.Enabled = True
End Sub
Sub kuncitext()
Me.Text1(0).Locked = True
Me.Text1(3).Locked = True
Me.Text1(1).Locked = True
Me.Combo1(0).Locked = True
End Sub
Sub buka_kunci()
Me.Text1(3).Locked = False
Me.Combo1(0).Locked = False
Me.Text1(1).Locked = False
If tambah_data = True Then
Me.Text1(0).Locked = False
End If
End Sub
Sub isilist()
Dim i As Integer
listsubitem.ListItems.Clear
With DE.rsOperator
If .State = 0 Then .Open
If .RecordCount <> 0 Then
.MoveFirst
For i = 1 To .RecordCount
decript (.Fields(0))
Set isisubitemx = listsubitem.ListItems.Add(, , UCase(hasil1))
decript (.Fields(1))
isisubitemx.SubItems(1) = UCase(hasil1)
decript (.Fields(2))
isisubitemx.SubItems(2) = UCase(hasil1)
decript (.Fields(3))
isisubitemx.SubItems(3) = UCase(hasil1)
.MoveNext
Next i
Else
MsgBox "record kosong"
End If
End With
End Sub
Sub isicombo()
Me.Combo1(0).AddItem "Admin"
Me.Combo1(0).AddItem "User"
End Sub

Sub cari_data(key As String)
```

```
Dim j As Integer
If DE.rsOperator.State = 0 Then DE.rsOperator.Open
DE.rsOperator.MoveFirst
For j = 0 To DE.rsOperator.RecordCount - 1
If DE.rsOperator.Fields(0) = key Then
Exit Sub
Else
DE.rsOperator.MoveNext
End If
Next
End Sub
```