

FORM LOGIN MULTI USER (Delphi7,MySQL,MD5)

1. buat database & table user.

```
MySQL Command Line Client
Enter password: *****
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 12
Server version: 6.0.4-alpha-community-log MySQL Community Server (GPL)

Type 'help;' or '\h' for help. Type '\c' to clear the buffer.

mysql> create database db_latihan;
Query OK, 1 row affected (0.00 sec)

mysql> use db_latihan;
Database changed
```

```
MySQL Command Line Client
mysql> create table tb_users(id char(1) primary key not null, nama varchar(10),
password char(32), ket varchar(10));
Query OK, 0 rows affected (0.04 sec)

mysql> desc tb_users;
+-----+-----+-----+-----+-----+-----+
| Field | Type  | Null | Key  | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id   | char(1) | NO   | PRI  | NULL    |       |
| nama | varchar(10)| YES  |       | NULL    |       |
| password | char(32) | YES  |       | NULL    |       |
| ket  | varchar(10)| YES  |       | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)

mysql> _
```

2. insert user admin, operator, user1.

```
MySQL Command Line Client
mysql> insert into tb_users values('1','admin',md5('admin'), 'admin');
Query OK, 1 row affected (0.00 sec)

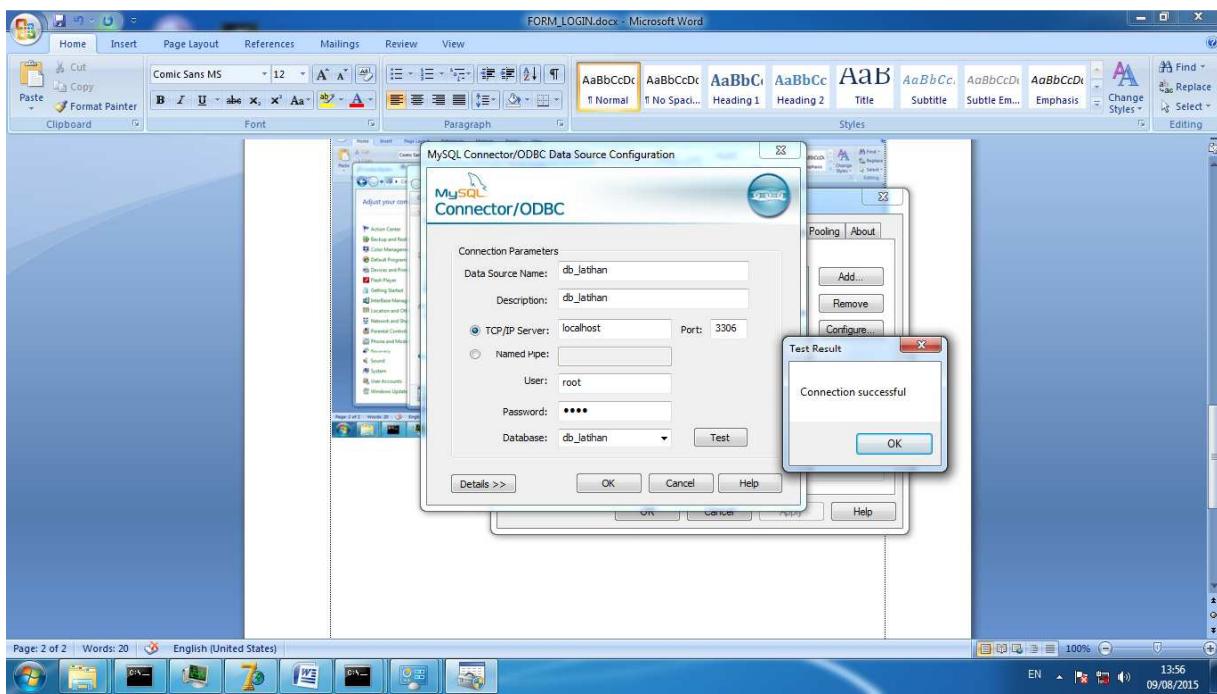
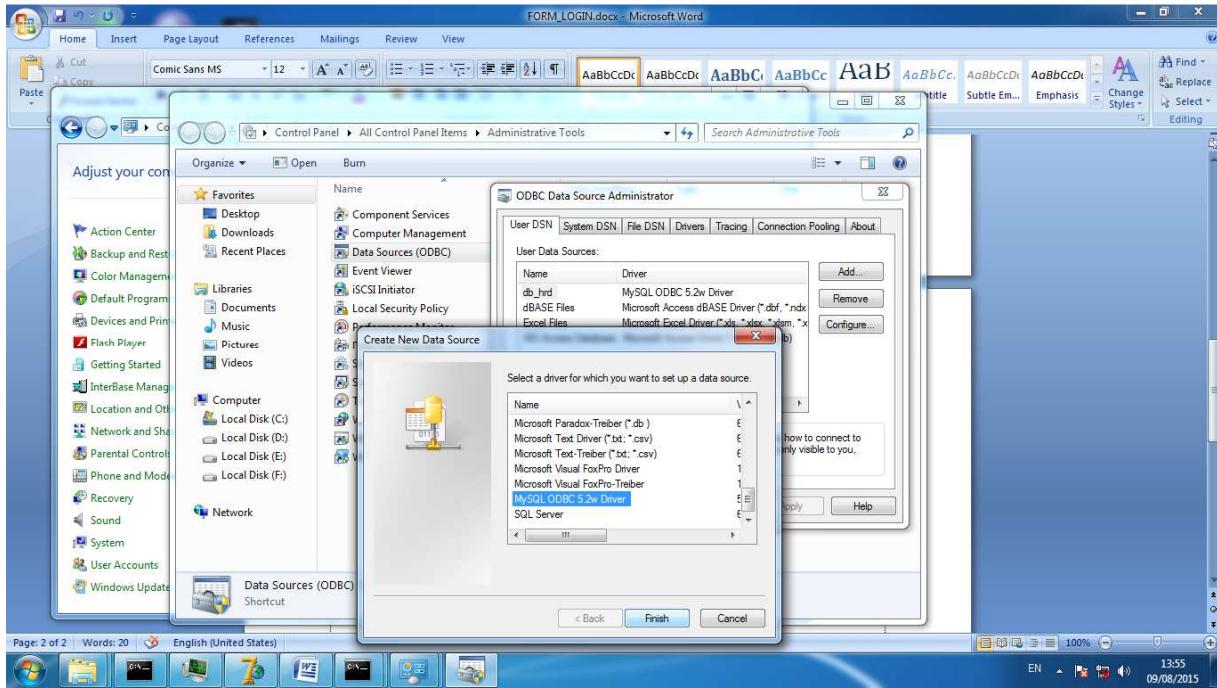
mysql> insert into tb_users values('2','operator',md5('operator'), 'operator');
Query OK, 1 row affected (0.00 sec)

mysql> insert into tb_users values('3','user1',md5('user1'), 'user');
Query OK, 1 row affected (0.00 sec)

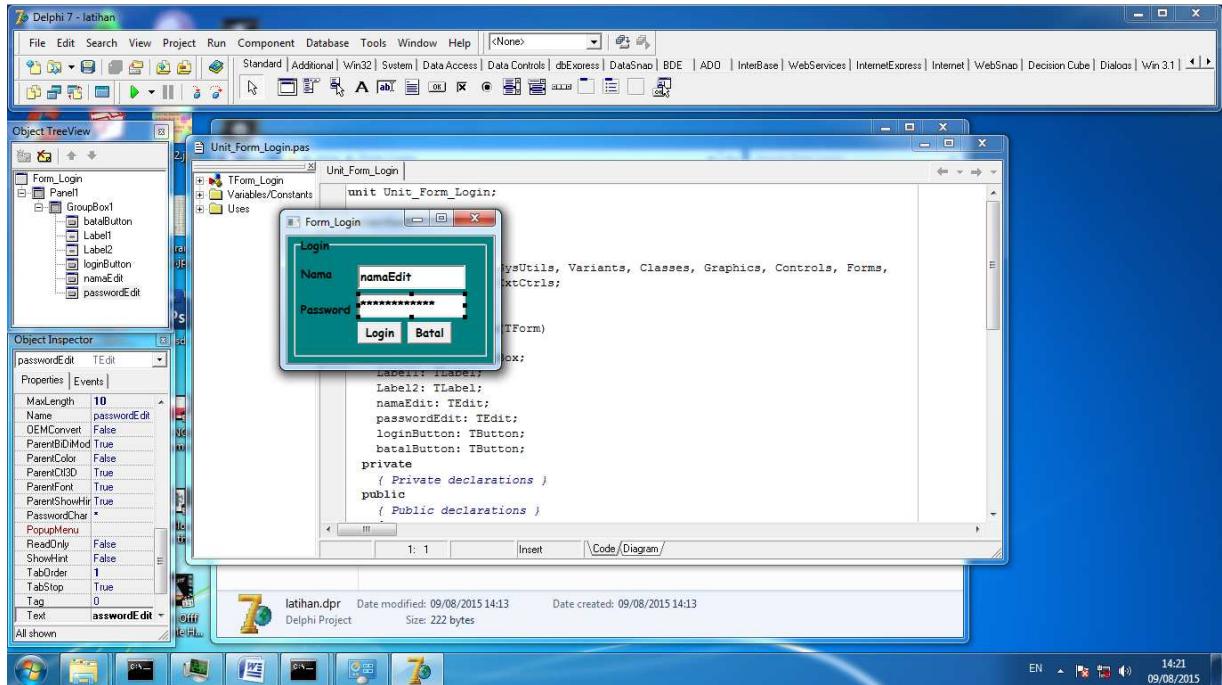
mysql> select * from tb_users;
+-----+-----+-----+-----+
| id  | nama | password          | ket  |
+-----+-----+-----+-----+
| 1   | admin | 21232f297a57a5a743894a0e4a801fc3 | admin |
| 2   | operator | 4b583376b2767b923c3e1da60d10de59 | operator |
| 3   | user1 | 24c9e15e52afc47c225b757e7bee1f9d | user  |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql>
```

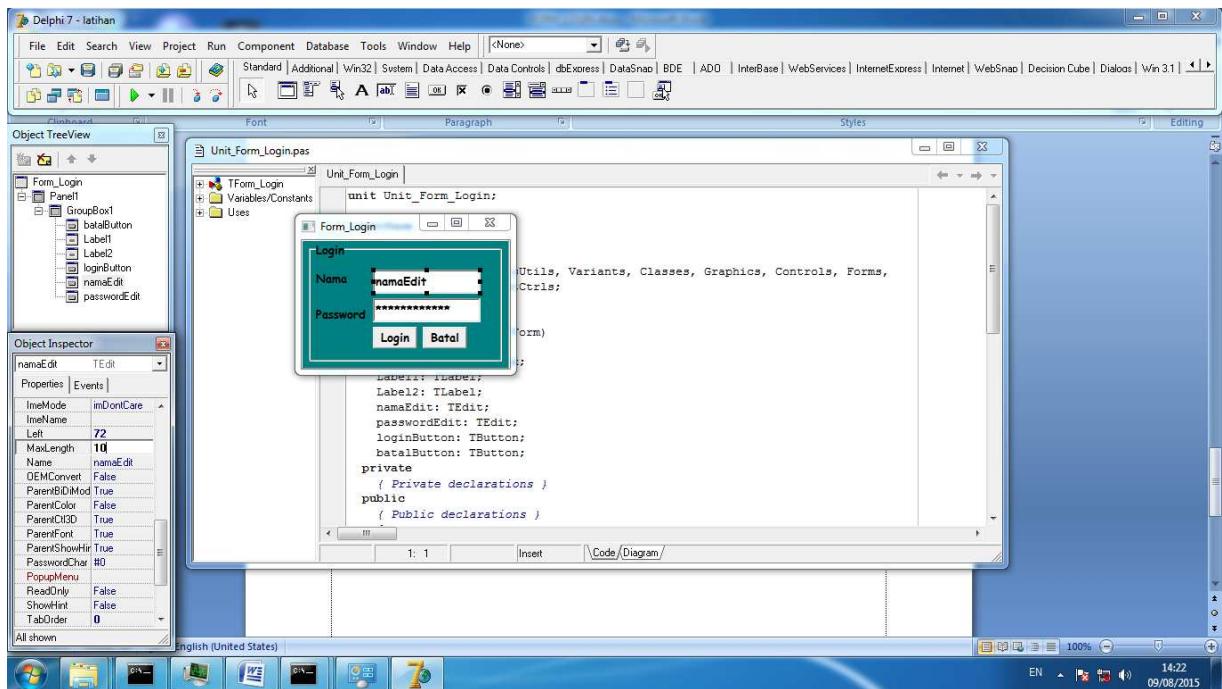
3. buat mysql connector koneksi ke db_latihan.



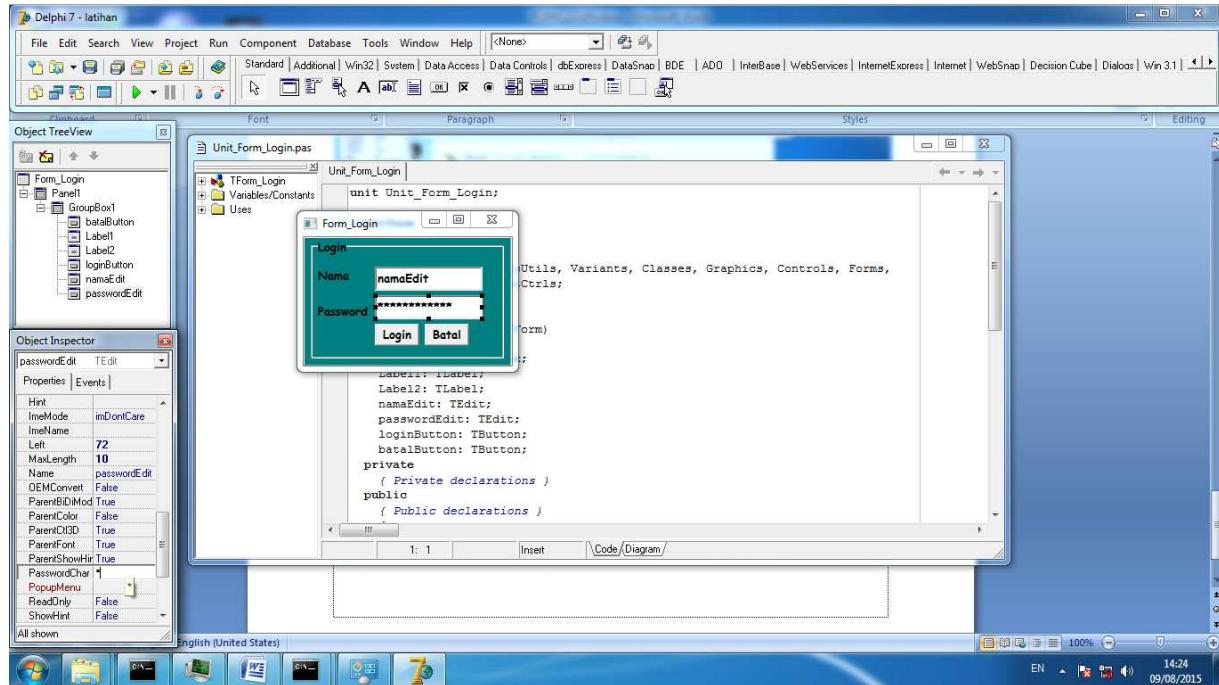
4. buat form login seperti gambar (lihat komponen yg digunakan pada Object Tree View).



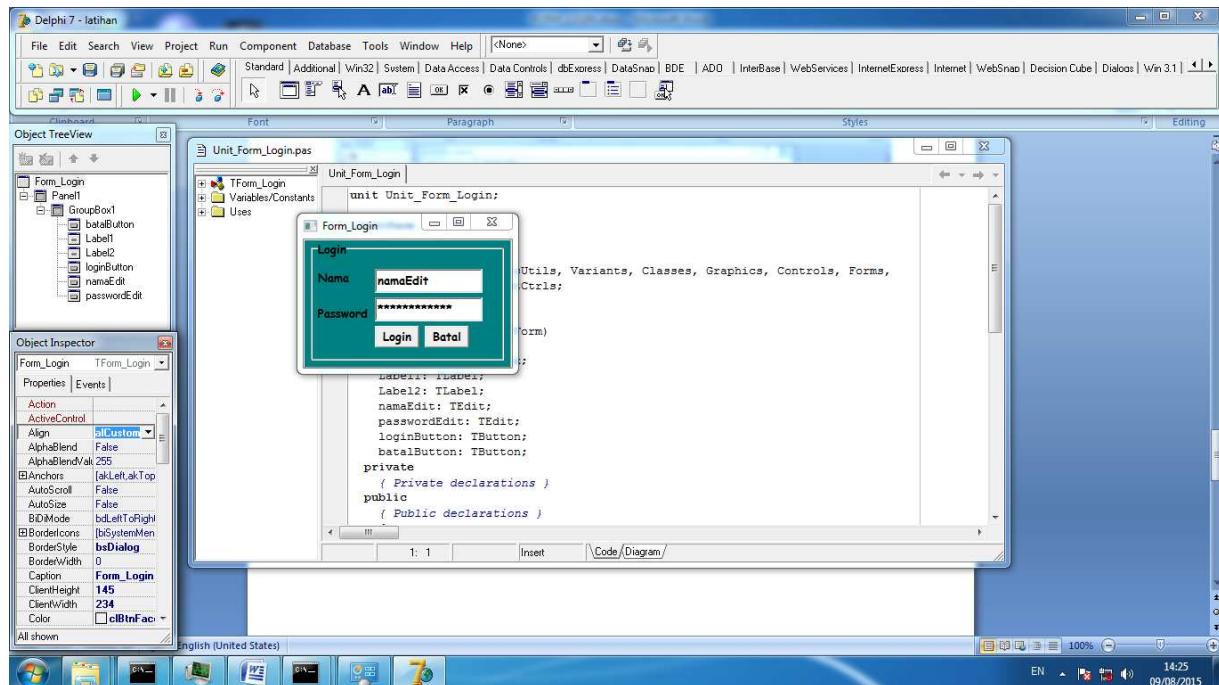
5. Set namaEdit & passwordEdit maxLength 10 (fungsi untuk membatasi max jumlah karakter yg dapat di input hanya 10 karakter).



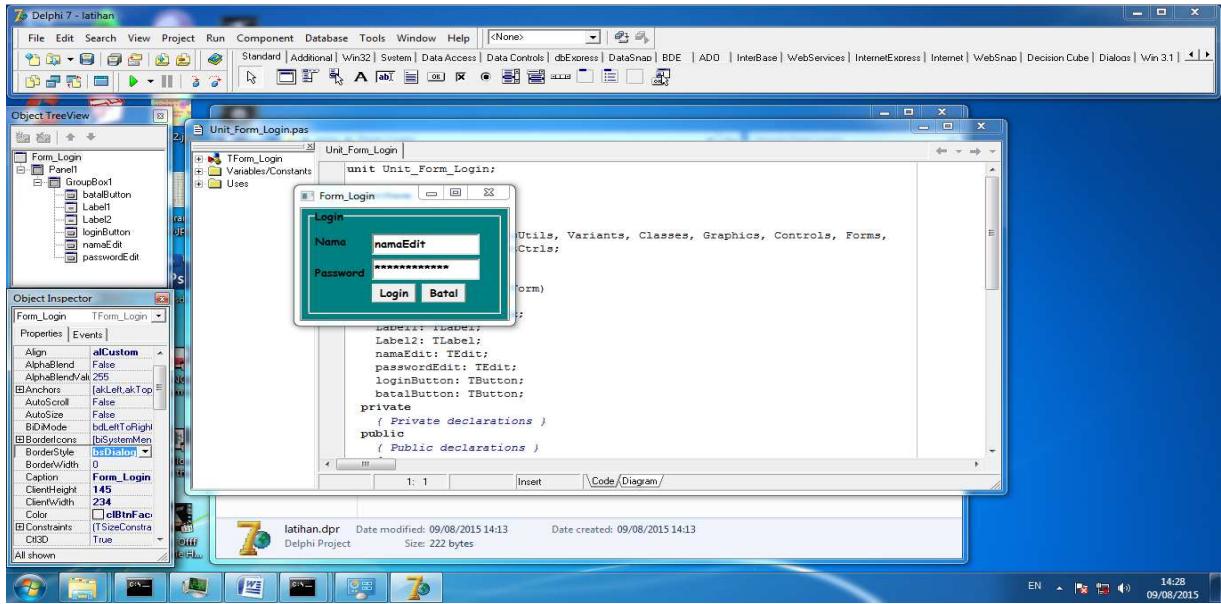
6. Set password char * (agar passwd yg diinputkan tidak terlihat).



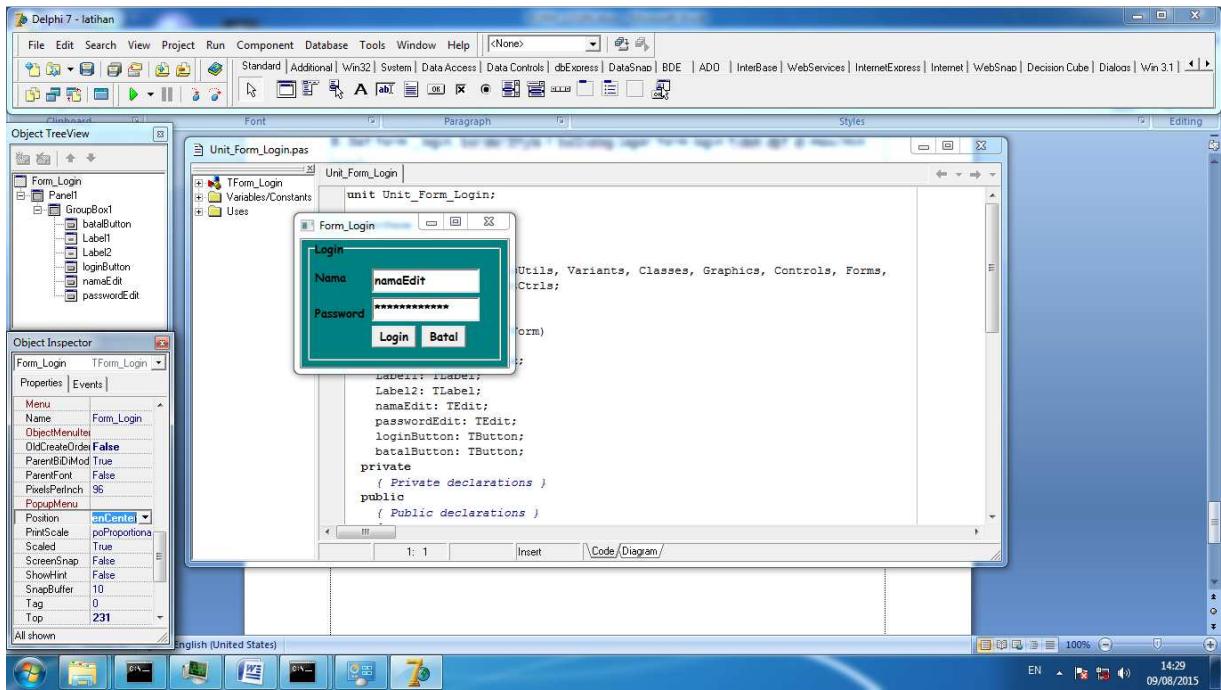
7. Set form_login, align = alLCustom (agar form login tidak dpt di drag).



8. Set form _login, borderStyle = bsDialog (agar form login tidak dpt di max/min size).

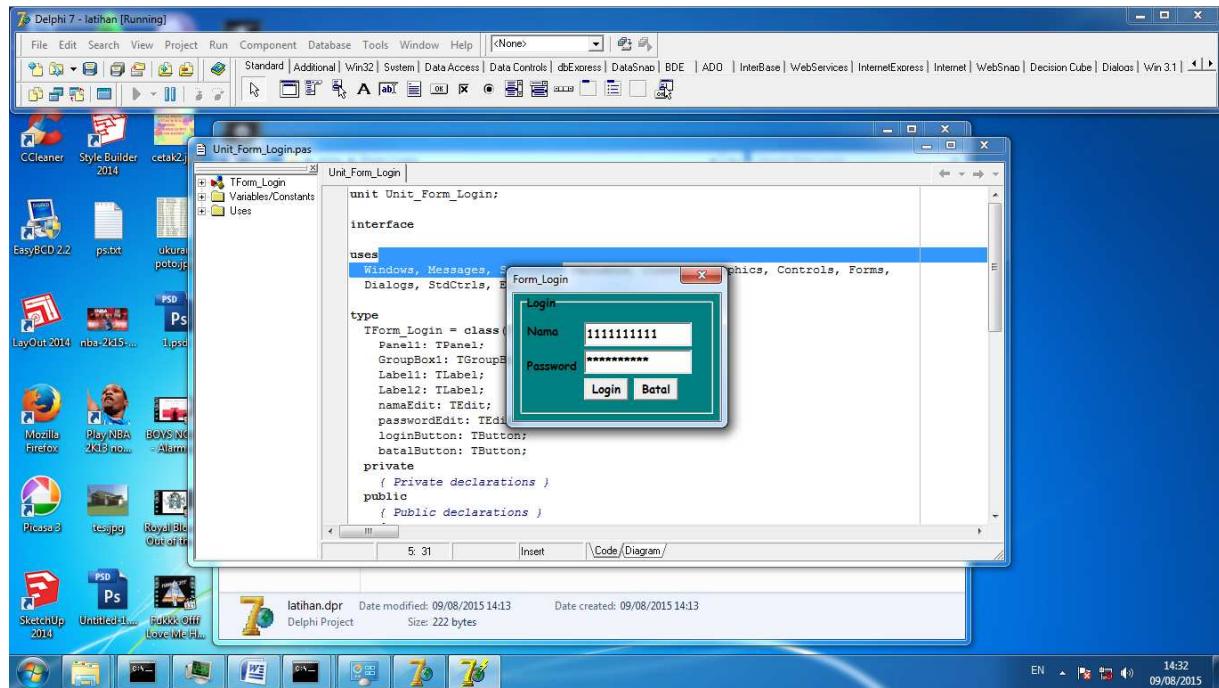


9. Set form _login, position = posScreenCenter (agar saat form login tampil otomatis di set pada center screen komputer).

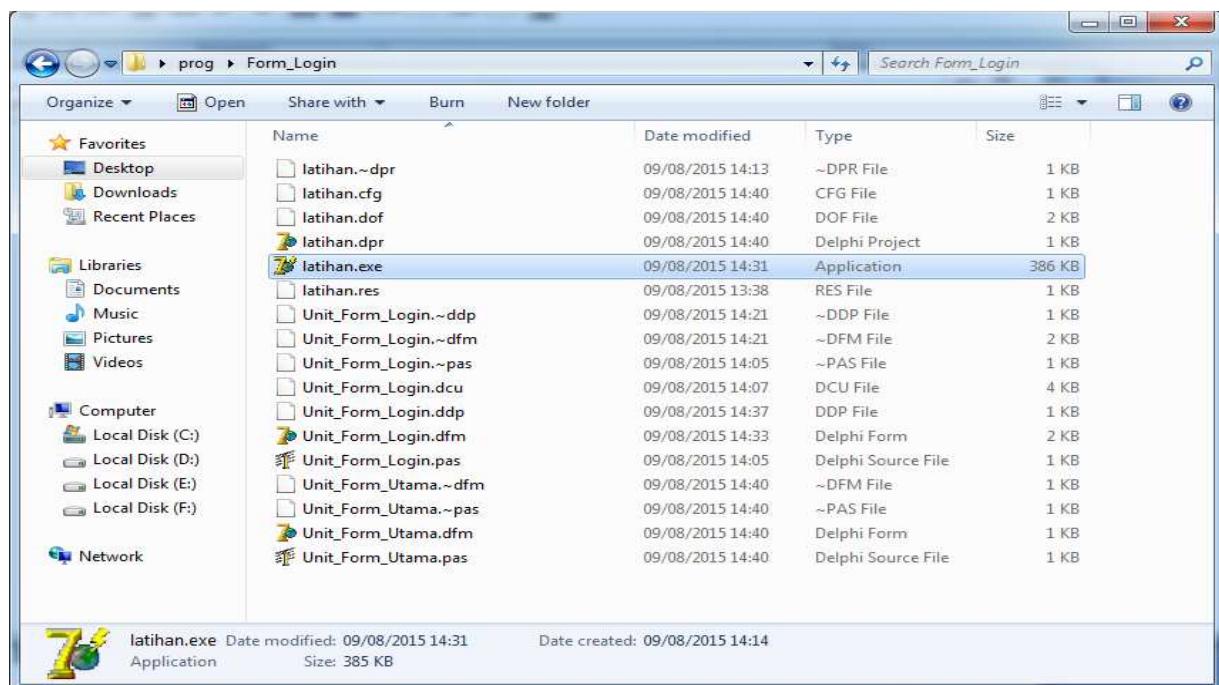


10. simpan dengan nama project latihan & Unit_Form_Login.

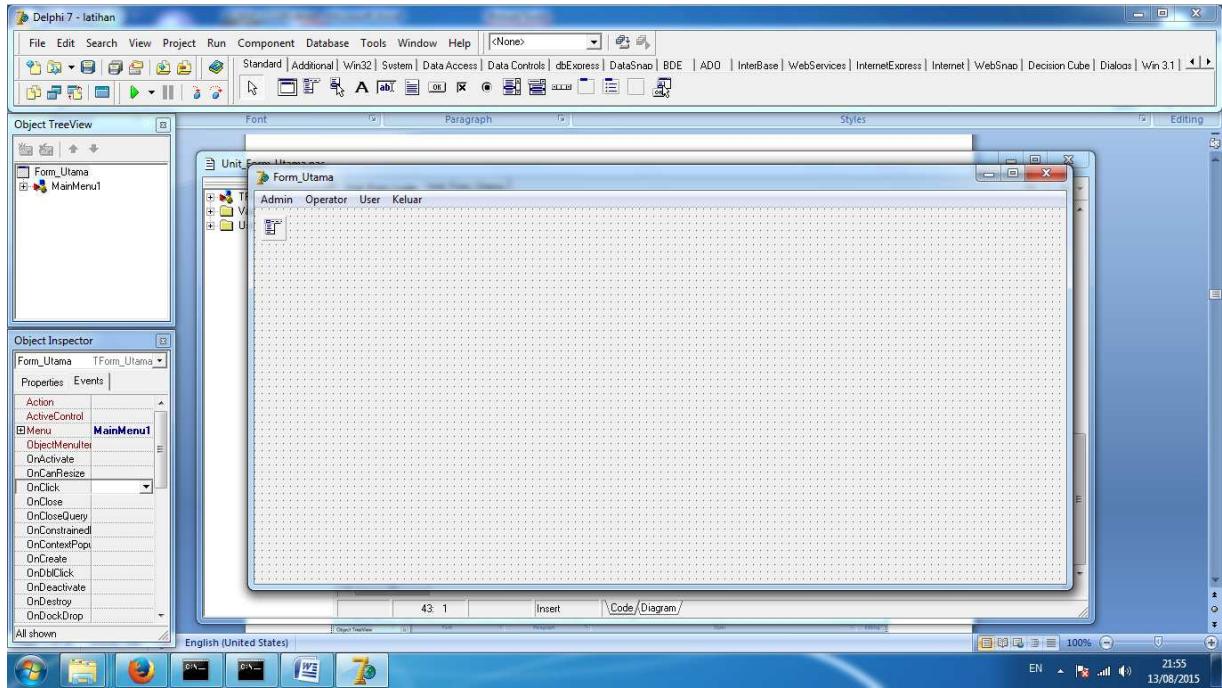
11. tes run form_login.



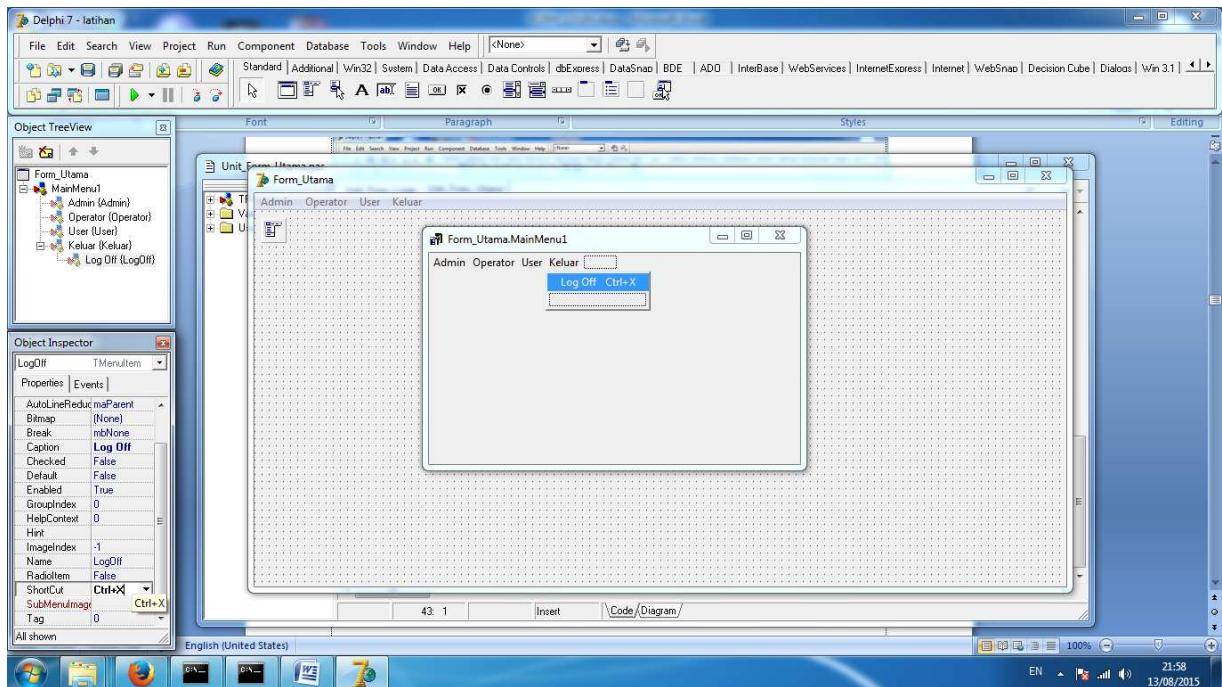
12. buat form_utama simpan dengan nama Unit_Form_Utama.



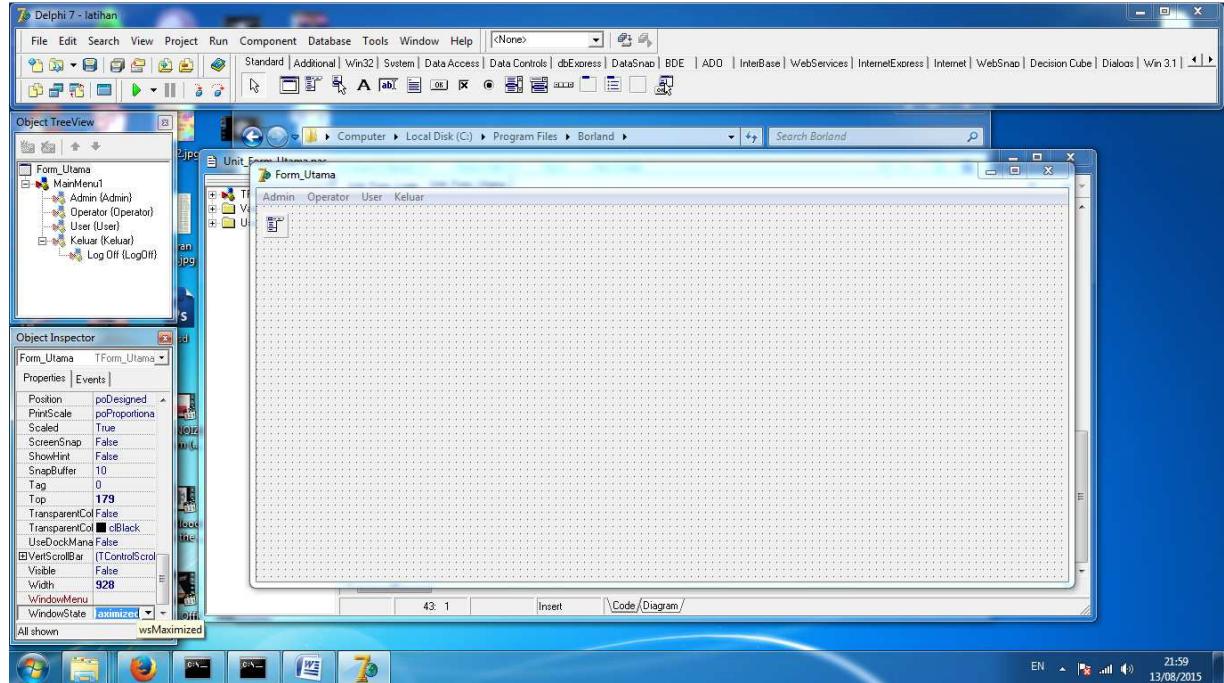
13. tambahkan komponen main menu, isi dengan menu (admin, operator, user, keluar).



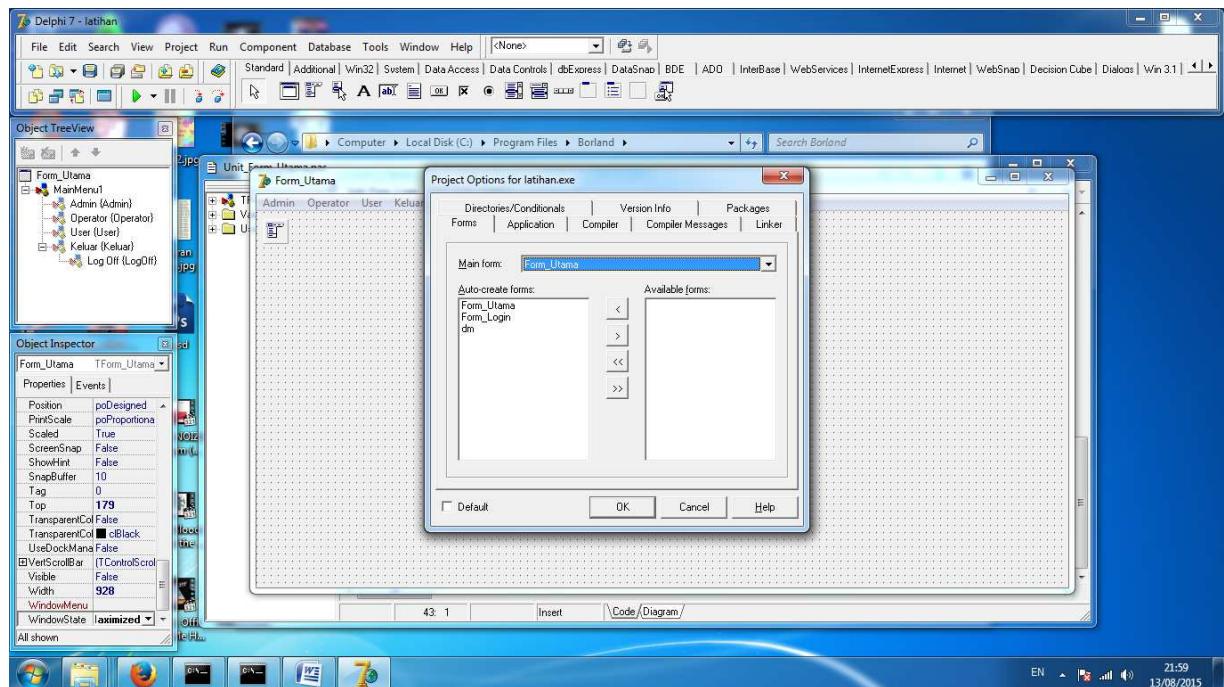
14. pada menu keluar, tambahkan sub menu log off dan set shortcut ctrl+x.



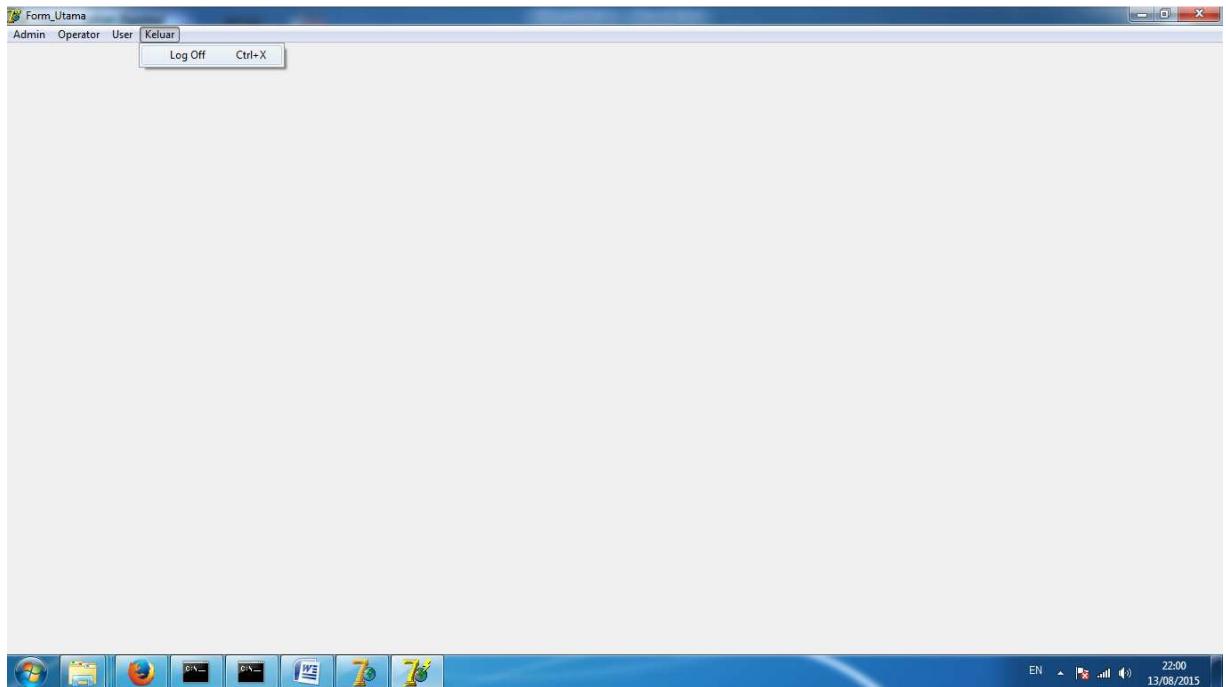
15. set form_utama, windowstate = wsmaximized (agar start form default ke maxsize).



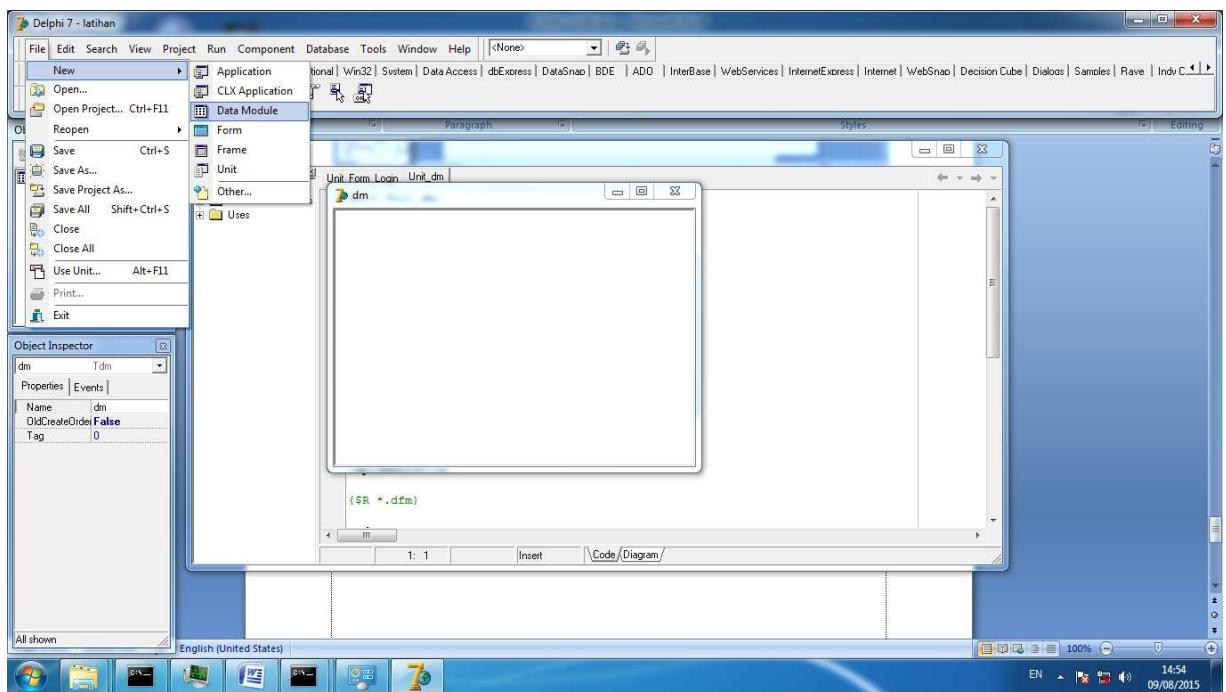
16. tes form_utama, set sebagai default form (project->options).



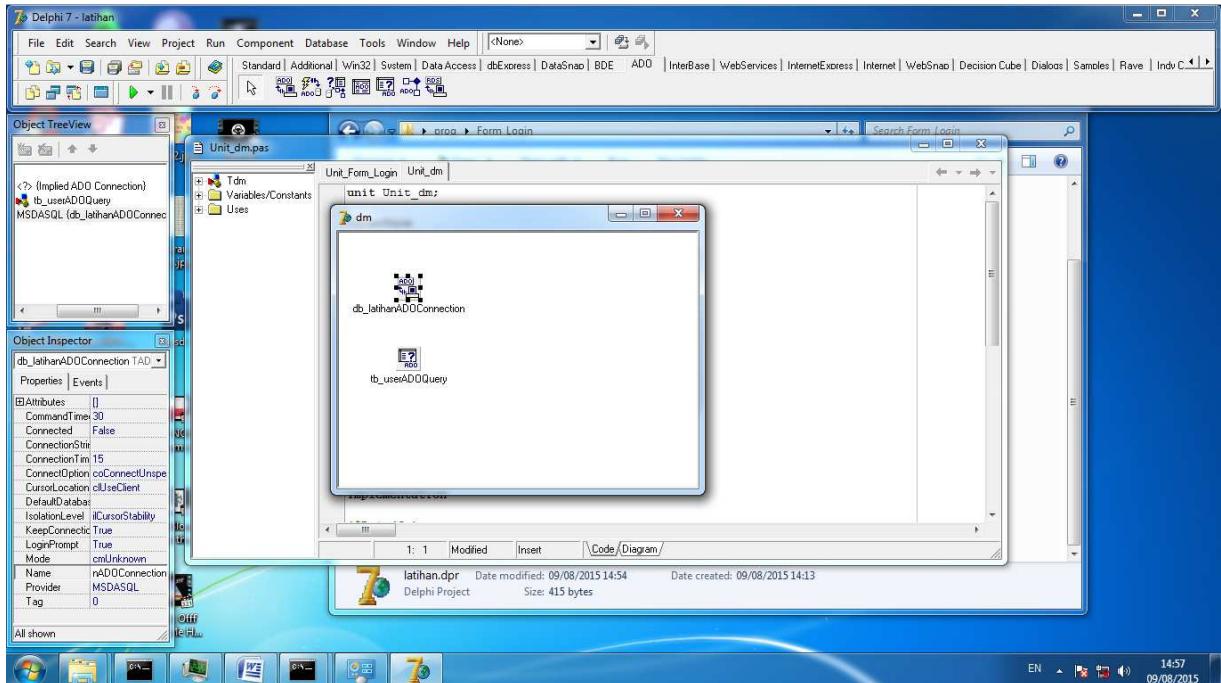
17. run form utama, jika sudah kembalikan lagi form login sebagai default form.



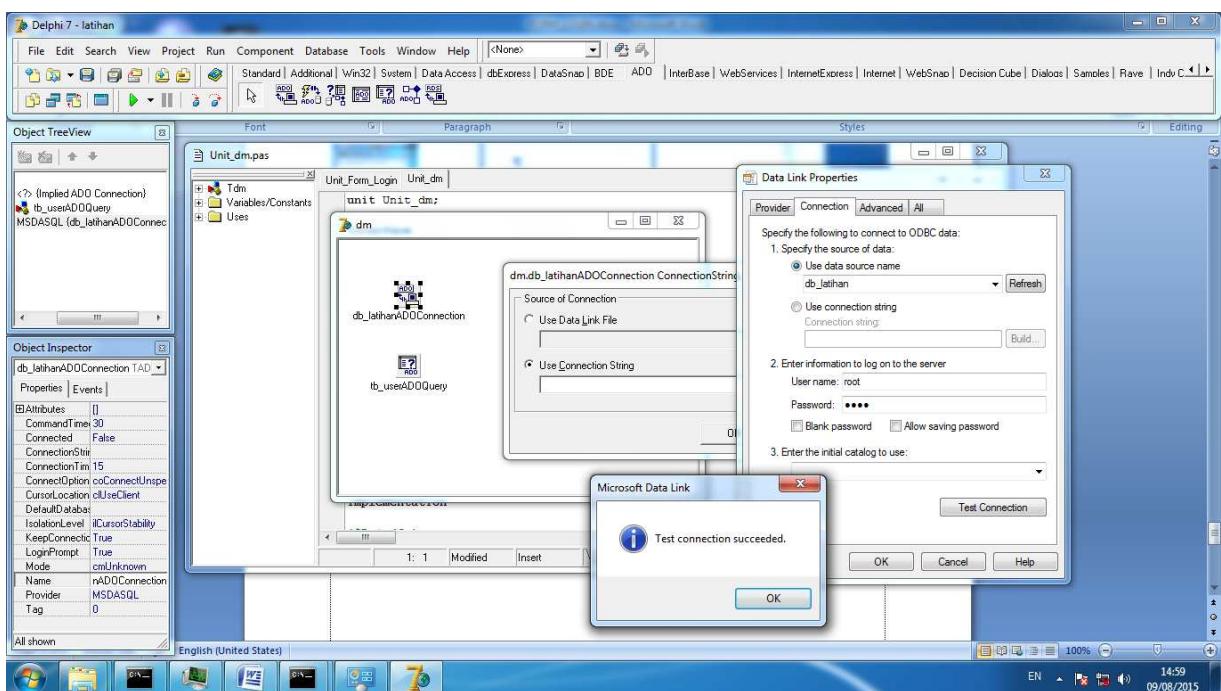
18. buat data module, simpan dengan nama Unit_dm.



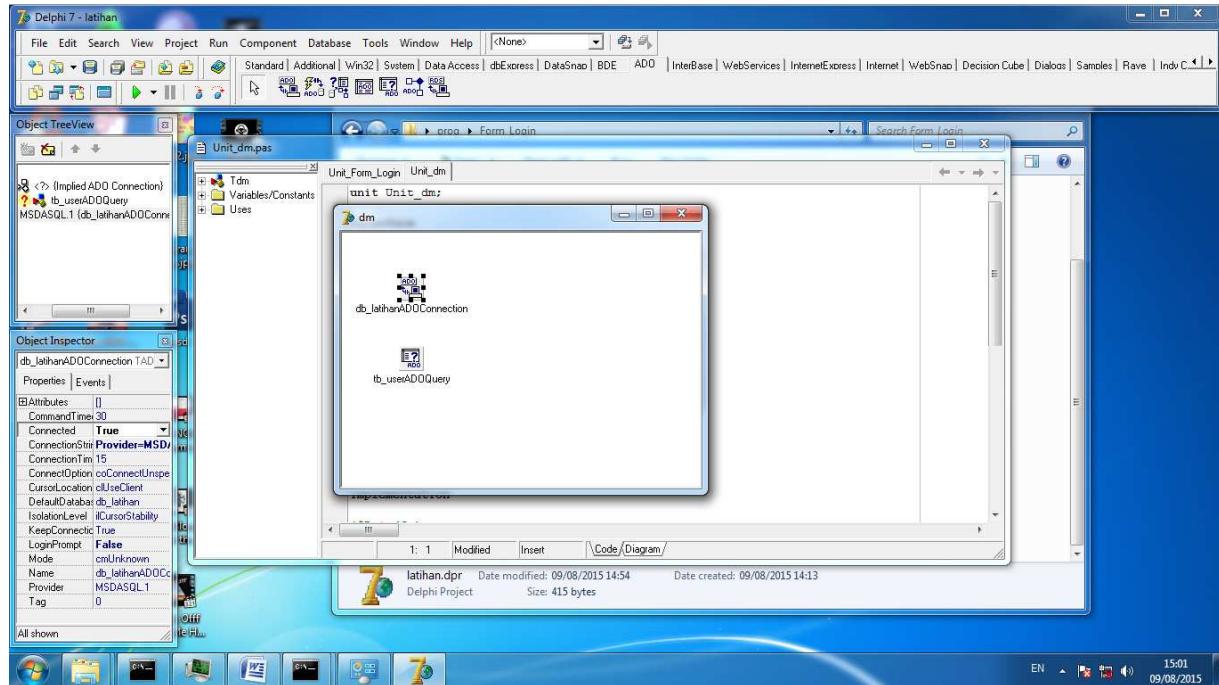
19. tambahkan ADOConnection & ADOQuery.



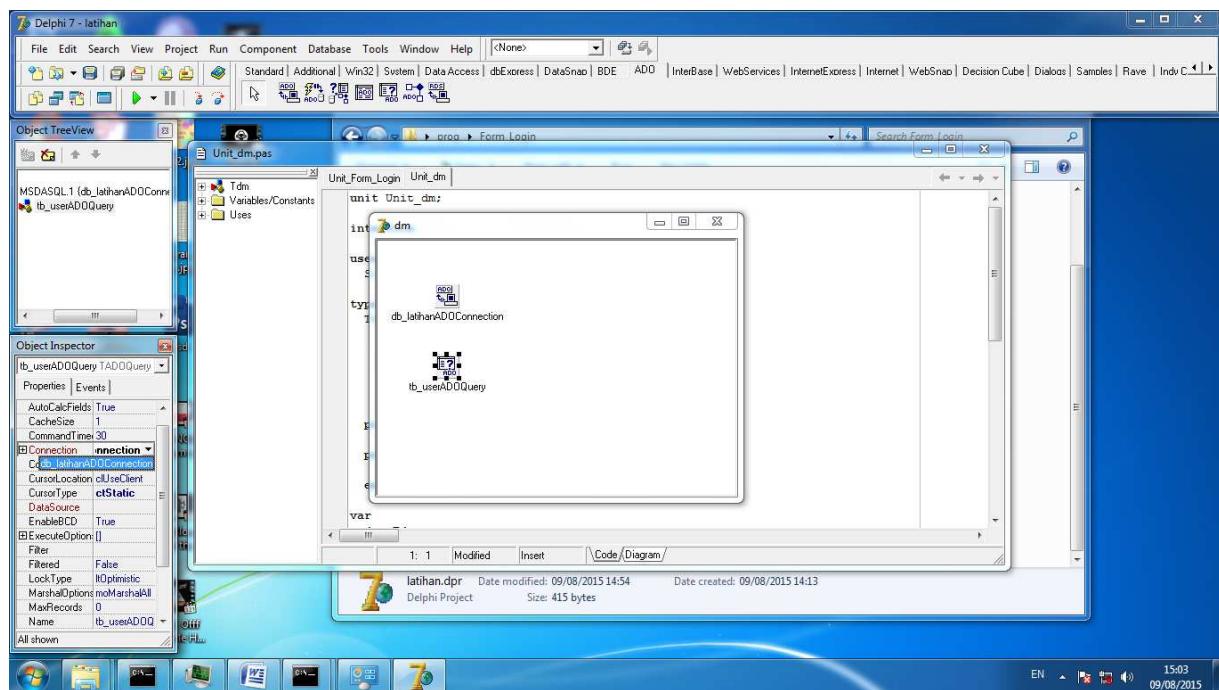
20. set ADOConnection, koneksi ke mysql connector db_latihan yg sudah kita buat sebelumnya.



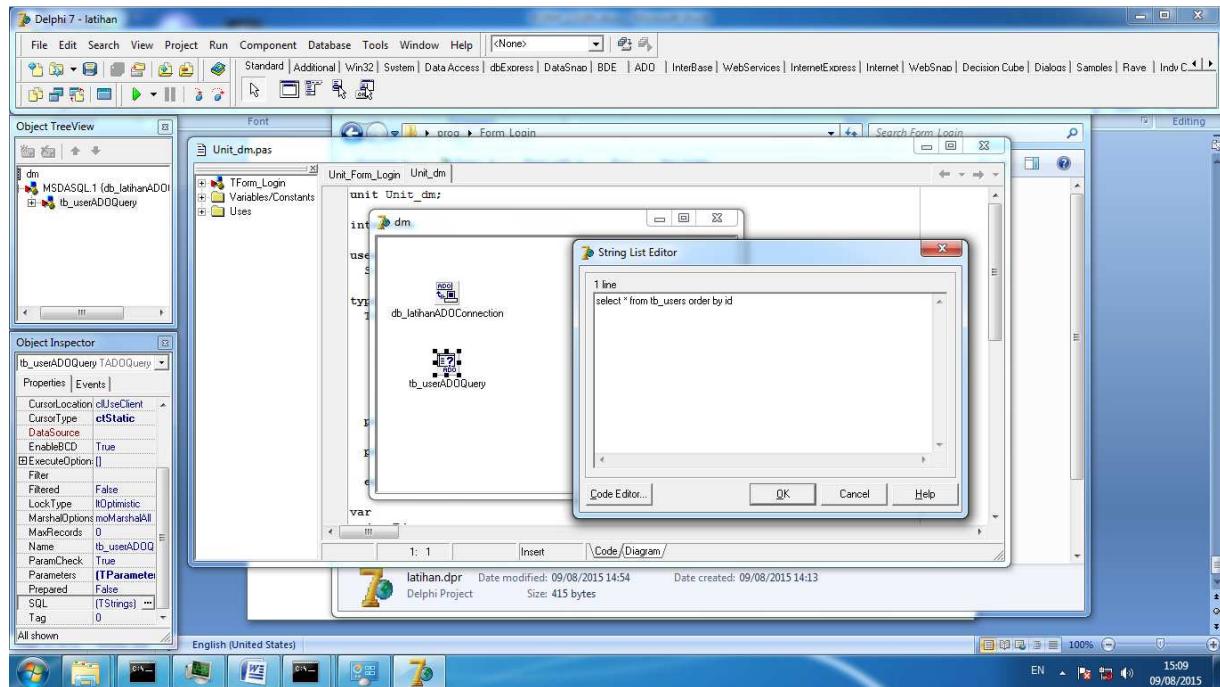
21. set connected = true & login prompt = false



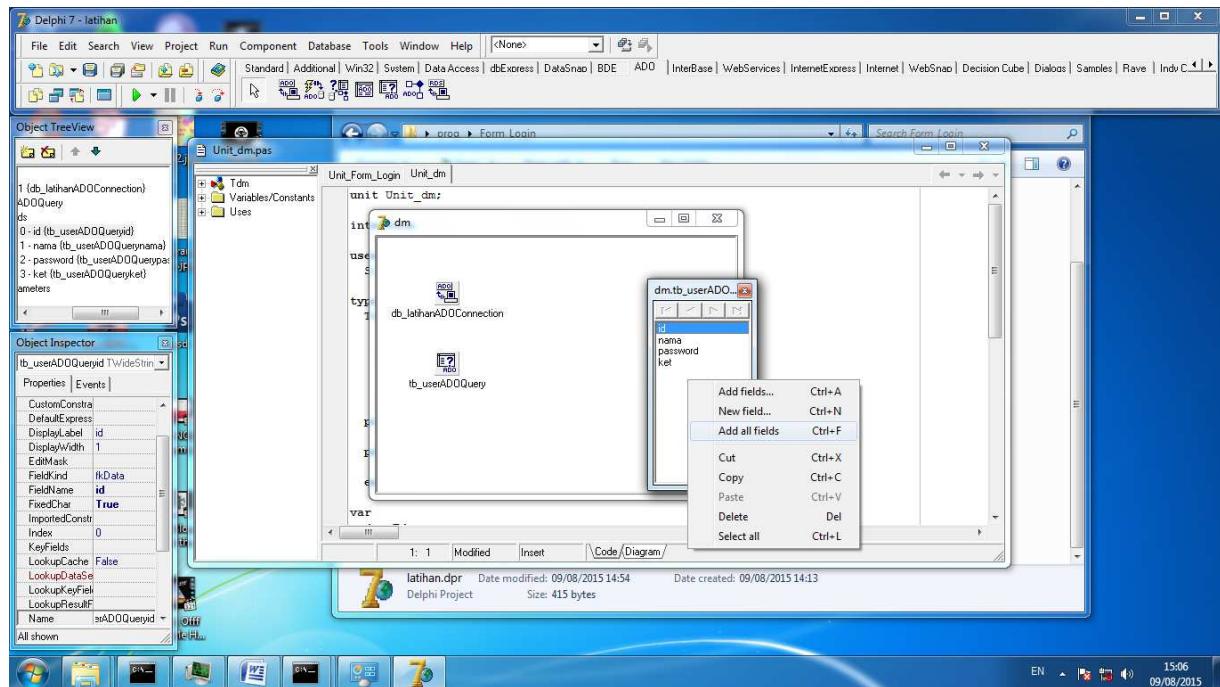
22. set ADOQuery, connection ke ADOConnection.



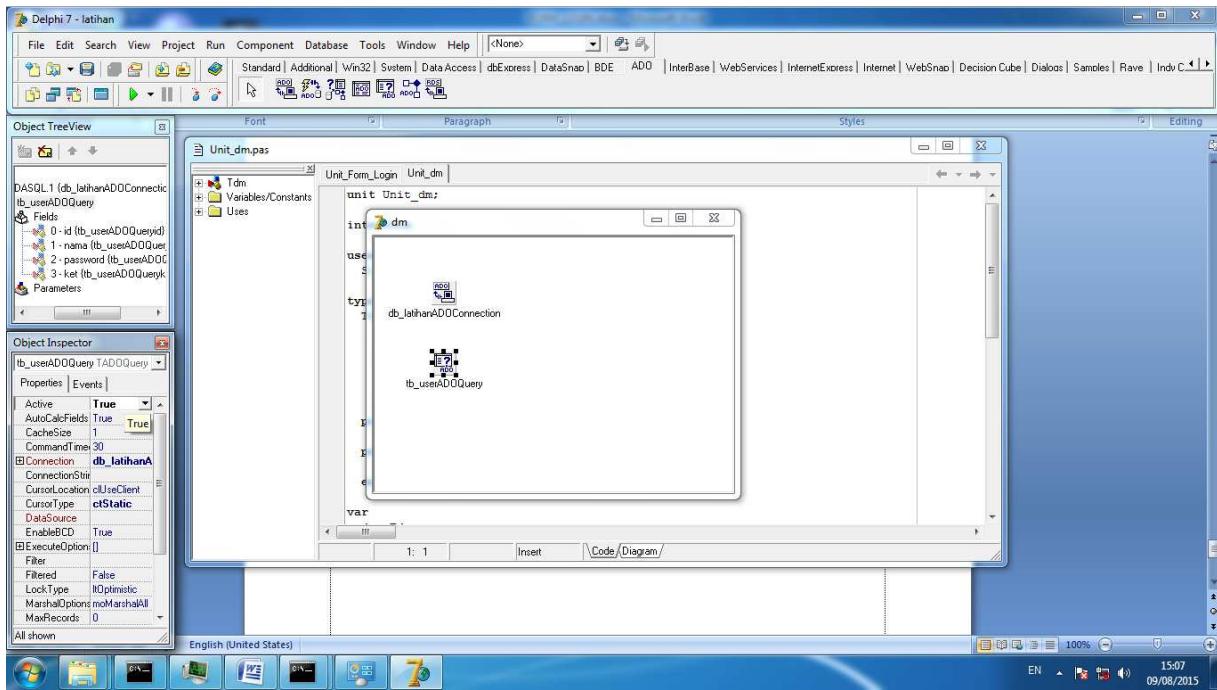
23. set SQL dan isi.



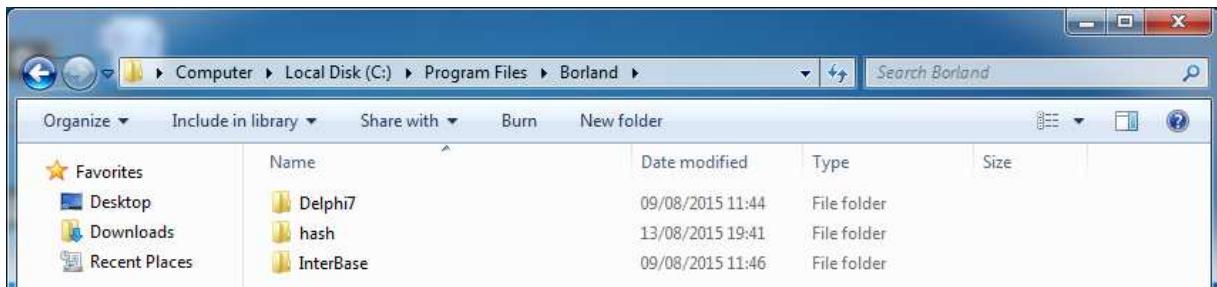
24. klik 2x adoquery & add all fields.



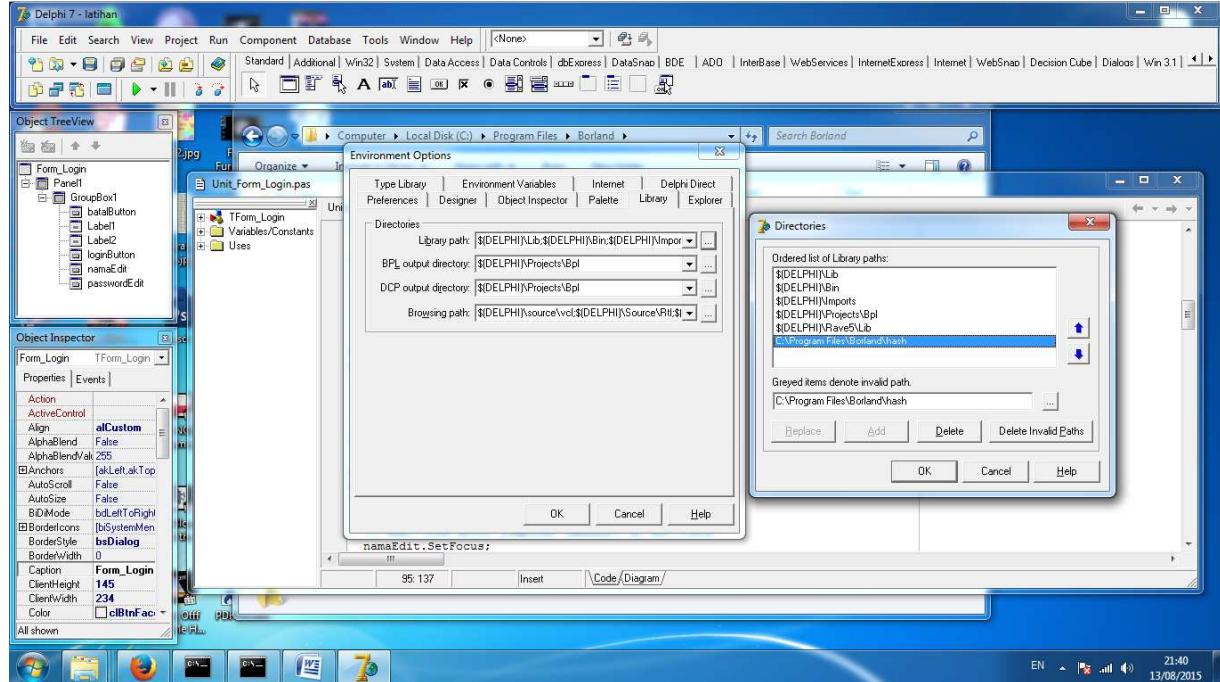
25. set active = true.



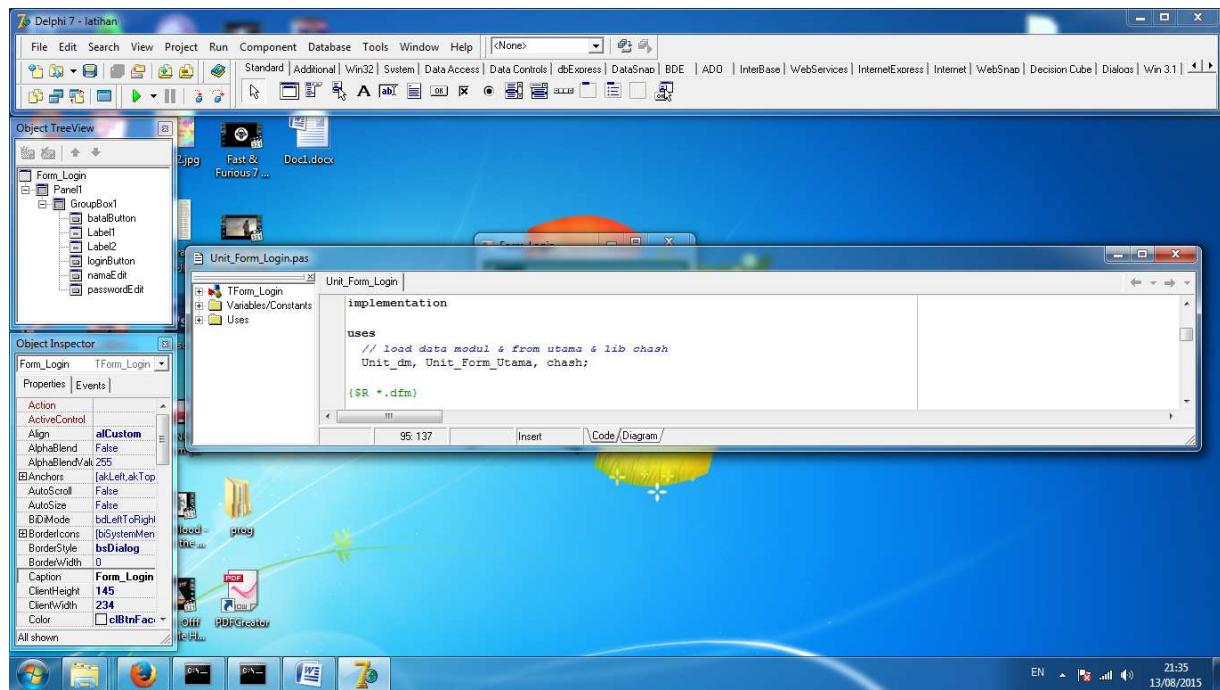
26. extract & copy folder hash(md5 library) ke c:\program files\borland\hash.



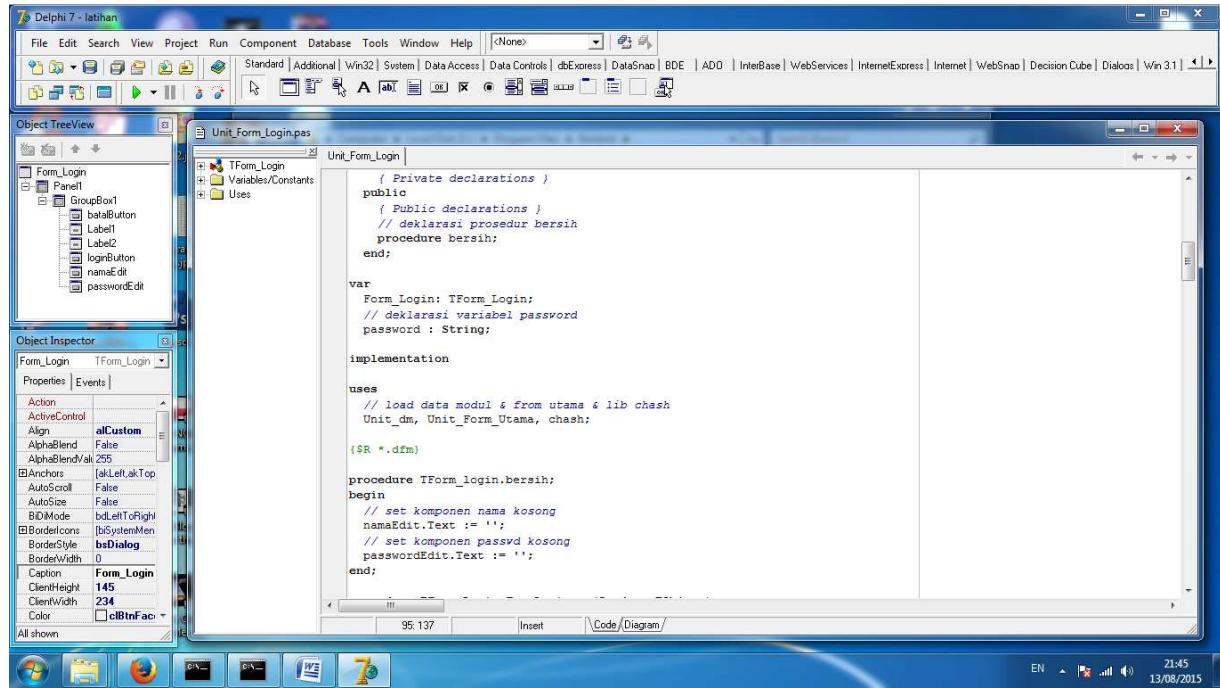
27. install lib hash, tools->environment->library->library path, load dir hash, ok.



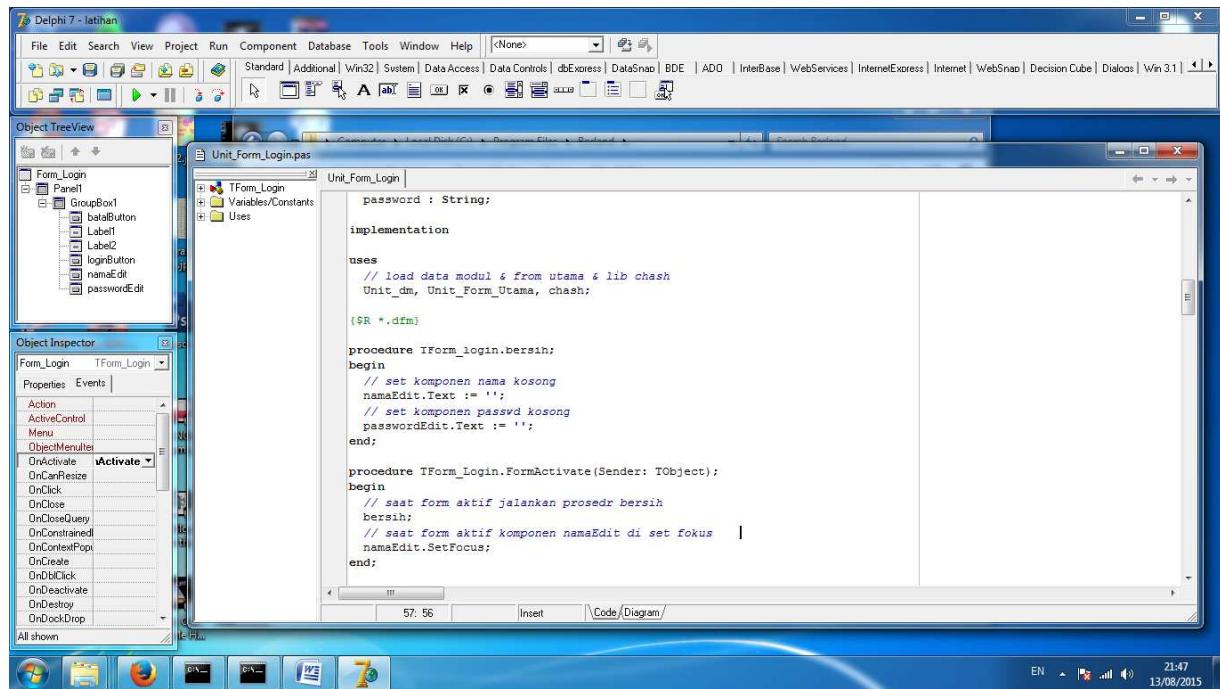
28. back to form_login set Unit_Form_Login tambahkan Unit_dm,
Unit_Form_Utama & chash (library md5).



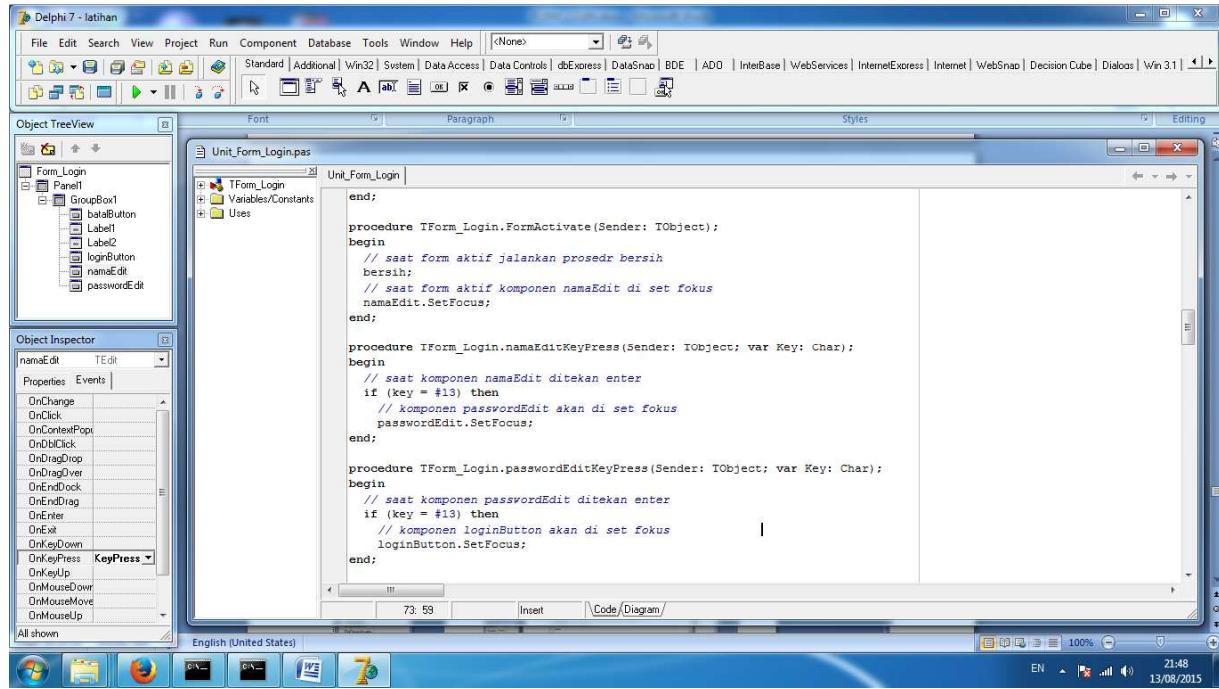
29. buat prosedur bersih & variable password.



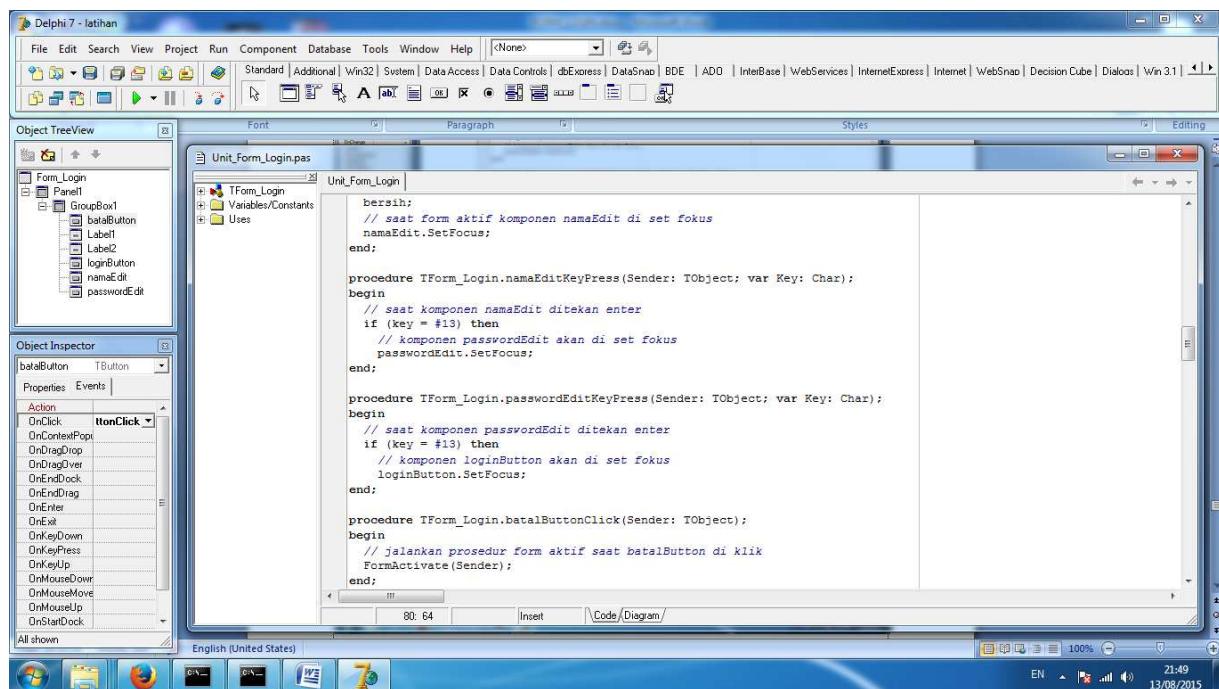
30. klik 2x form_login->event->onActive tambahkan baris ini.



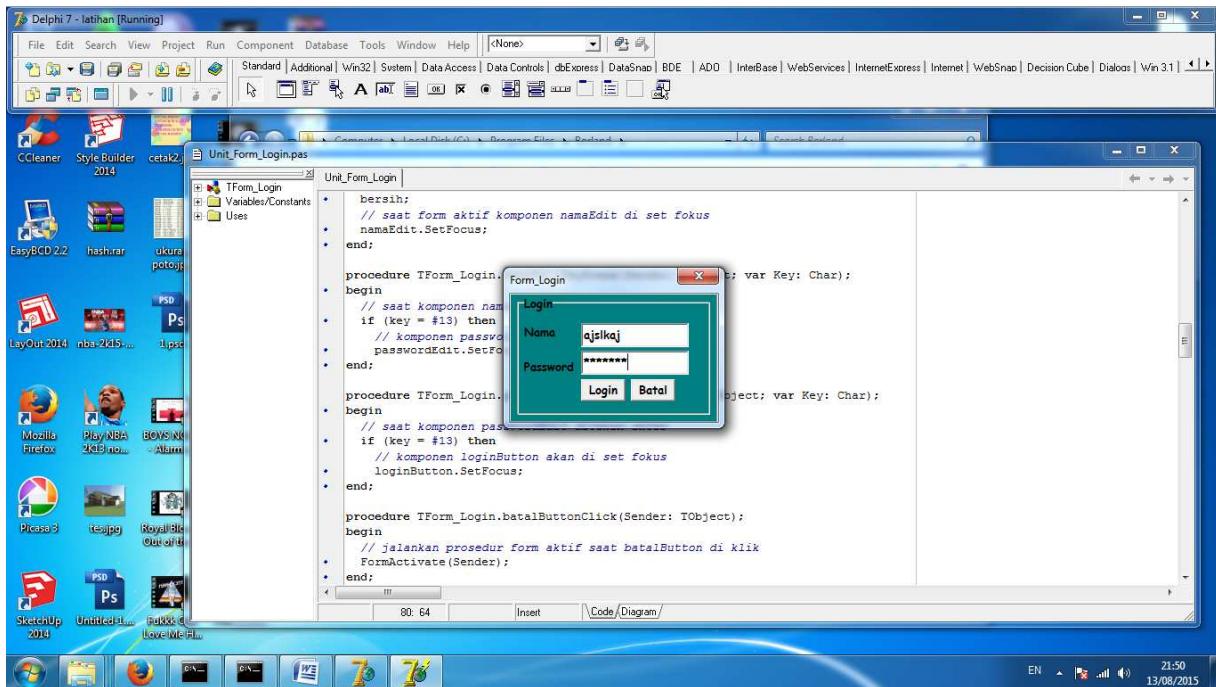
31. klik 2x namaEdit->event->onKeyPress tambahkan baris ini, lakukan hal yg sama pada passwordEdit.



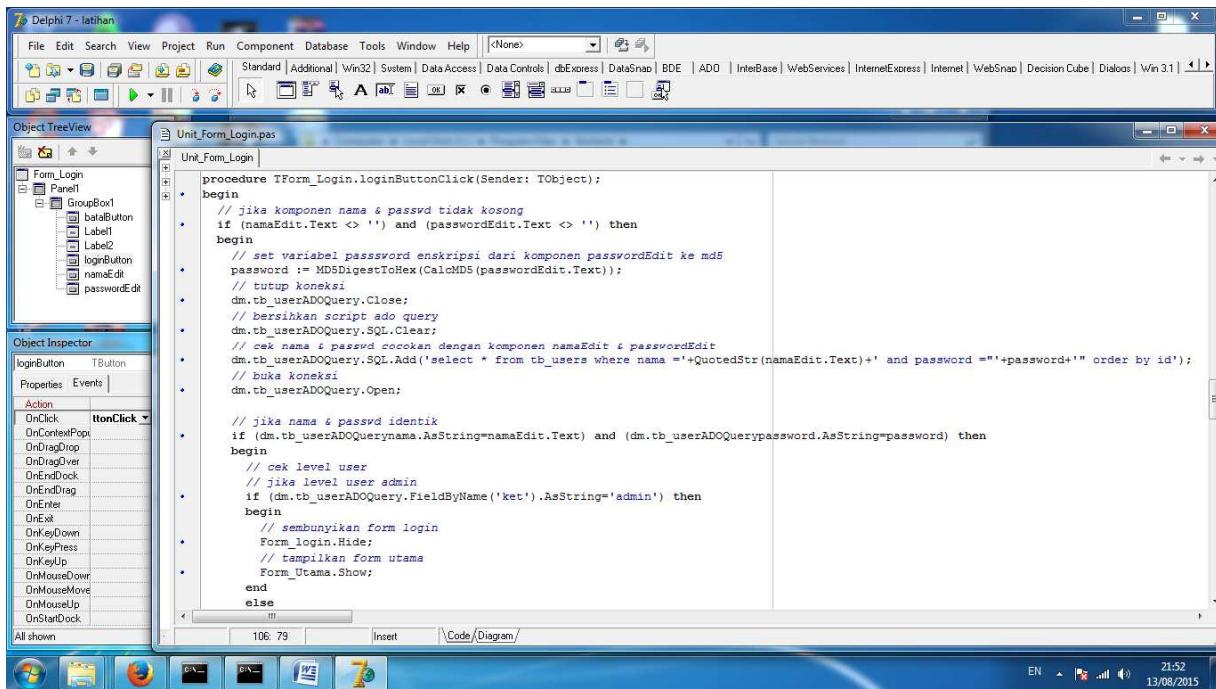
32. klik 2x batalButton->event->onClick tambahkan baris ini.



33. tes form_login.



34. klik 2x loginButton->event->onClick tambahkan baris ini.



Delphi 7 - latihan

File Edit Search View Project Run Component Database Tools Window Help <None>

Standard Additional Win32 System Data Access Data Controls dbExpress DataSnap BDE ADD InterBase WebServices Internet WebSnap Decision Cube Dialogs Win31

Object TreeView

Unit_Form_Login.pas

```
Unit_Form_Login
begin
    // sembunyikan form login
    Form_login.Hide;
    // tampilkan form utama
    Form_Utama.Show;
end
else
// jika level user operator
if (dm.tb_userADOQuery.FieldByName('ket').AsString='operator') then
begin
    // sembunyikan form login
    Form_login.Hide;
    // tampilkan form utama
    Form_Utama.Show;
    // disable menu admin
    Form_Utama.Admin.Enabled := false;
end
else
// jika level user, user biasa
if (dm.tb_userADOQuery.FieldByName('ket').AsString='user') then
begin
    // sembunyikan form login
    Form_login.Hide;
    // tampilkan form utama
    Form_Utama.Show;
    // disable menu admin
    Form_Utama.Admin.Enabled := false;
    // disable menu operator
    Form_Utama.Operator.Enabled := false;
end
end;
```

Object Inspector

loginButton TButton

Properties Events |

Action

OnClick ttonClick

OnContextPop

OnDragDrop

OnDragOver

OnEndDock

OnEndDrag

OnEnter

OnExit

OnKeyDown

OnKeyPress

OnKeyUp

OnMouseDown

OnMouseMove

OnMouseUp

OnStartDock

All shown

124: 89 Insert \Code\Diagram\

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Delphi 7 - latihan

File Edit Search View Project Run Component Database Tools Window Help <None>

Standard Additional Win32 System Data Access Data Controls dbExpress DataSnap BDE ADD InterBase WebServices Internet WebSnap Decision Cube Dialogs Win31

Object TreeView

Unit_Form_Login.pas

```
Unit_Form_Login
begin
    // disable menu admin
    Form_Utama.Admin.Enabled := false;
    // disable menu operator
    Form_Utama.Operator.Enabled := false;
end
end;

// jika nama & passwd tidak identik
else
begin
    // tampilkan pesan error ini
    MessageDlg('user atau password salah !',mtWarning,[mbok],0);
    // aktifkan event form aktif
    FormActivate(Sender);
end
end;

// jika komponen nama & passwd kosong
else
begin
    // tampilkan pesan error ini
    MessageDlg('user atau password masih kosong !',mtWarning,[mbok],0);
    // aktifkan event form aktif
    FormActivate(Sender);
end;
end.
```

Object Inspector

loginButton TButton

Properties Events |

Action

OnClick ttonClick

OnContextPop

OnDragDrop

OnDragOver

OnEndDock

OnEndDrag

OnEnter

OnExit

OnKeyDown

OnKeyPress

OnKeyUp

OnMouseDown

OnMouseMove

OnMouseUp

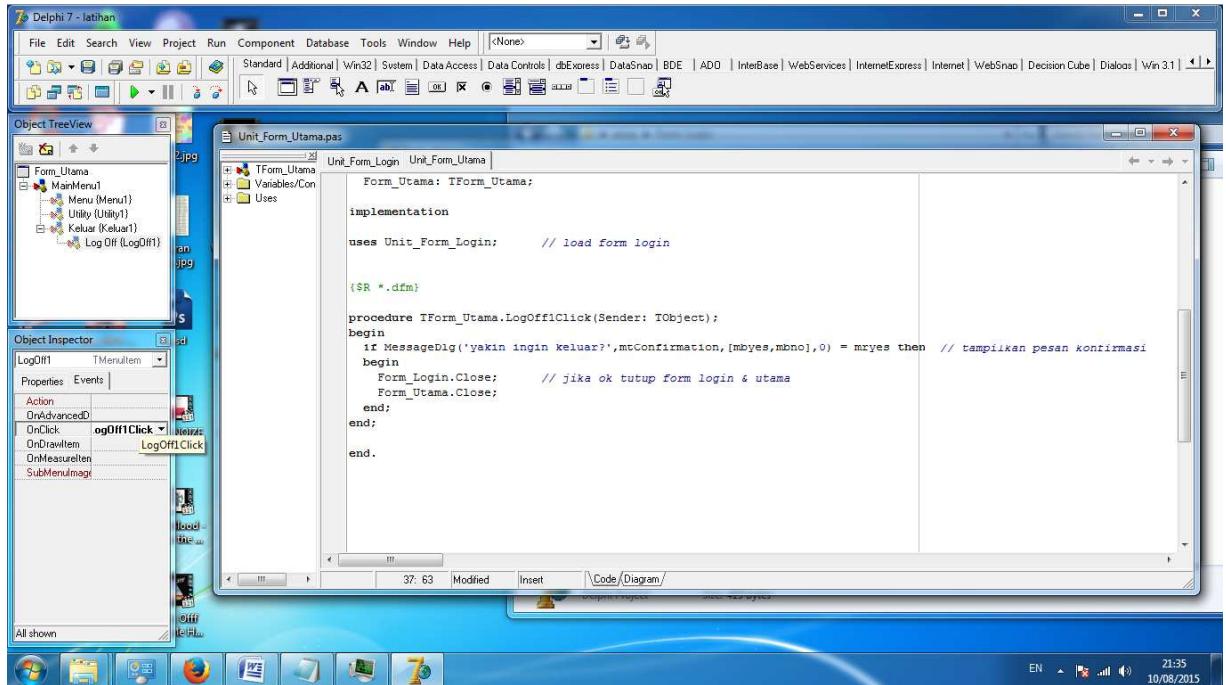
OnStartDock

All shown

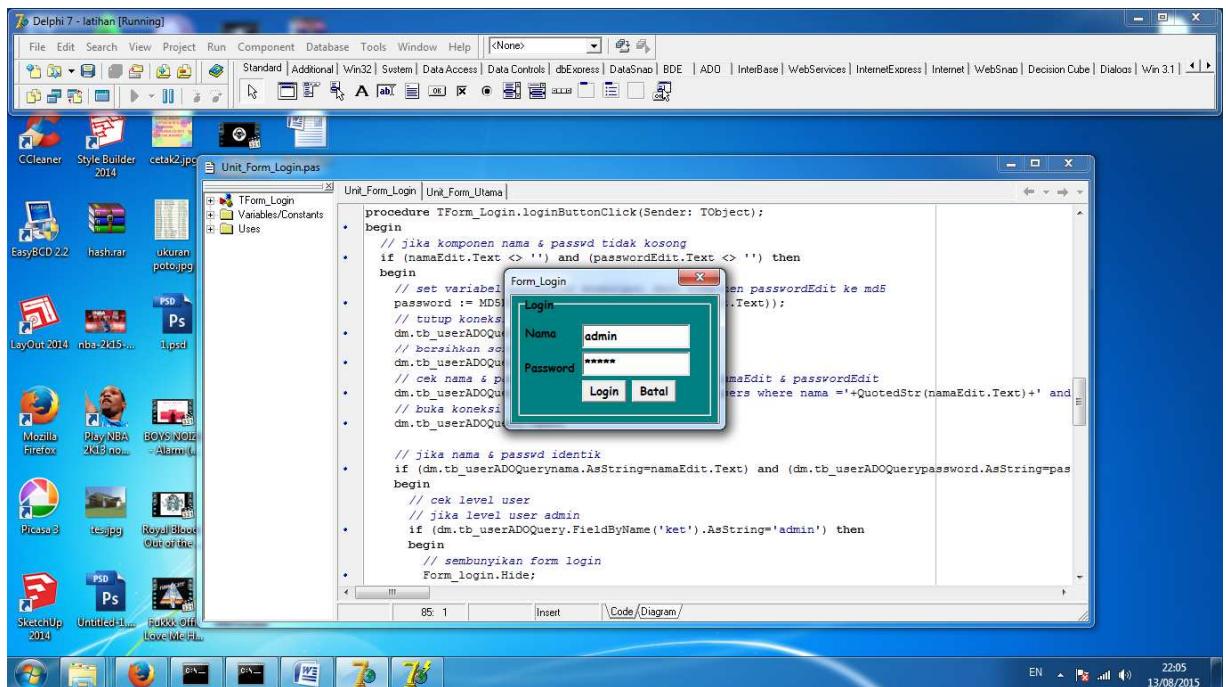
146: 103 Insert \Code\Diagram\

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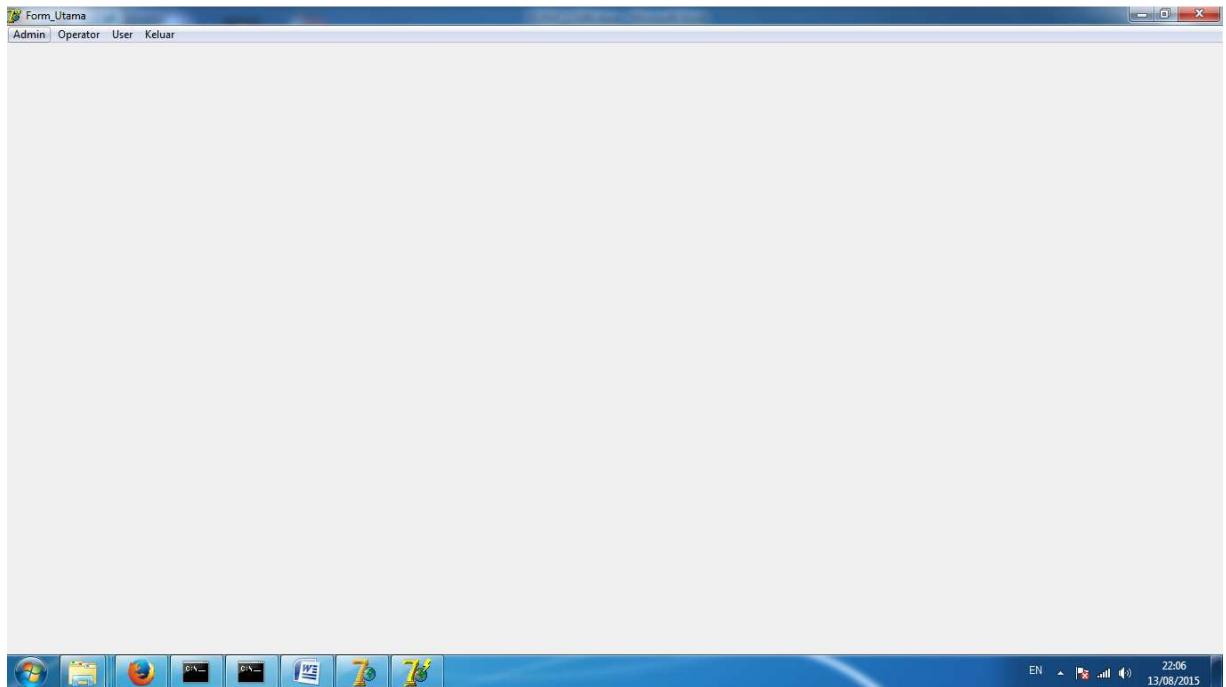
35. set form_utama, tambahkan uses Unit_Form_Login. klik 2x log off->event->onClick tambahkan baris ini.



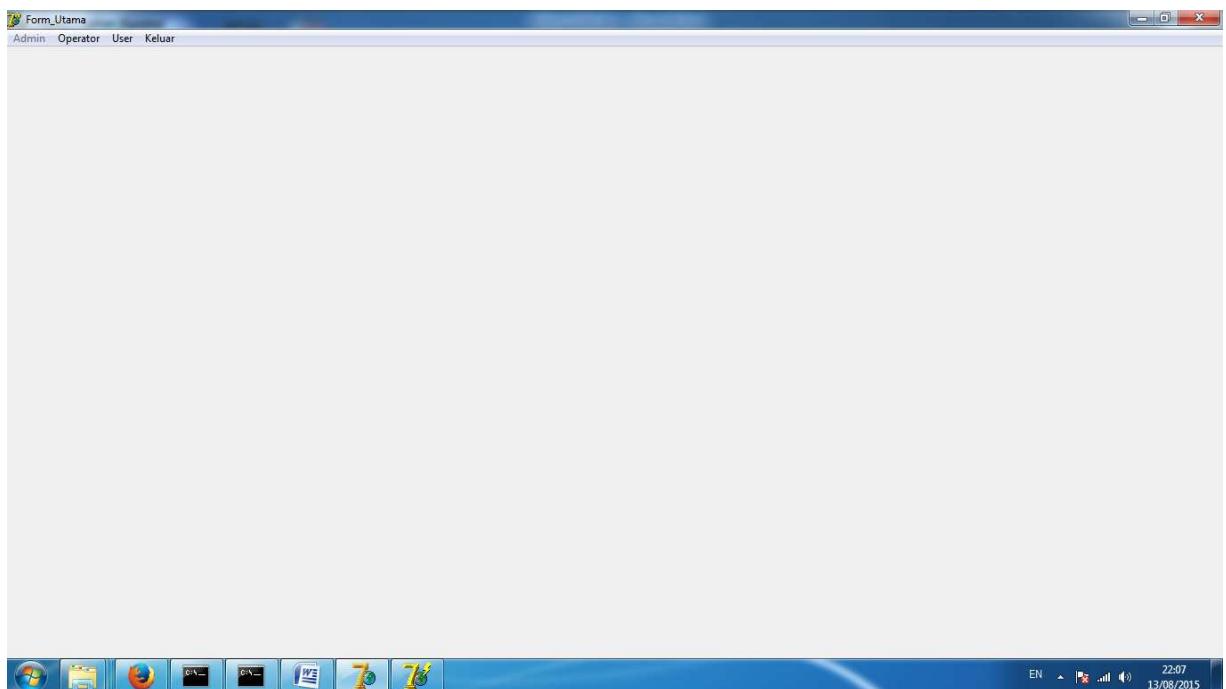
36. tes form_login, login sebagai admin (isiakan user & pwd sesuai dengan database).



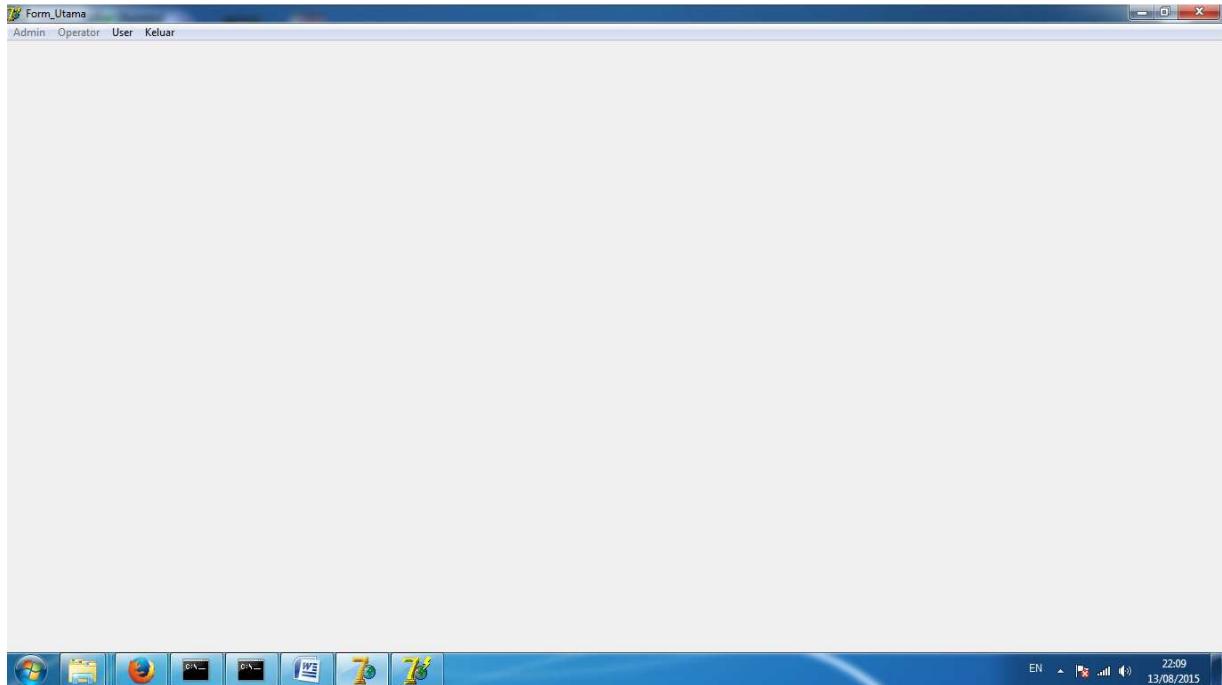
Login sebagai admin dapat akses penuh.



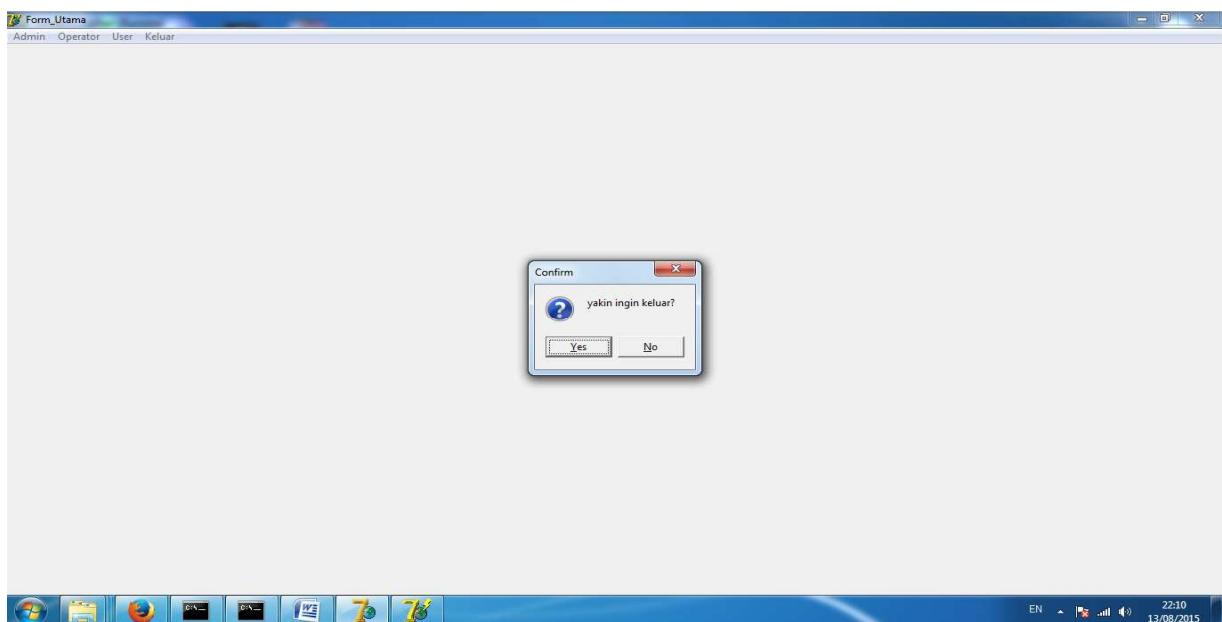
37. tes form_login, login sebagai operator (login sebagai operator tidak dapat akses menu admin).



38. tes form_login, login sebagai user1 (login sebagai user1 tidak dapat akses menu admin & operator).



39. tes log off.



Dok 10/08/2015 padliyulian@ymail.com