APLIKASI PERPUSTAKAAN SD AL ISLAH DAN SDN GUNUNG ANYAR TAMBAK SURABAYA

Oleh:

Edo Yonatan Koentjoro, S.Kom, M.Sc.	(NIDN 0718128903)
Sulistiowati, S.Si., MM.	(NIDN 0719016801)
A. B. Tjandrarini, S.Si., M.Kom.	(NIDN 0725127001)
Julianto Lemantara, S.Kom., M.Eng.	(NIDN 0722108601)

INSTITUT BISNIS DAN INFORMATIKA STIKOM SURABAYA
TAHUN 2018

Pelaksana

NIDN	: 0718128903
Nama Dosen	: Edo Yonatan Koentjoro, S.Kom., M.Sc.
Program Studi	: DIII Manajemen Informatika
NIDN	: 0719016801
Nama Dosen	: Sulistiowati, S.Si., MM.
Program Studi	: S1 Sistem Informasi
NIDN	: 0725127001
Nama Dosen	: A. B. Tjandrarini, S.Si., M.Kom.
Program Studi	: DIII Manajemen Informatika
NIDN	: 0722108601
Nama Dosen	: Julianto Lemantara, S.Kom., M.Eng.
Program Studi	: S1 Sistem Informasi

Judul: Aplikasi Perpustakaan SD Al Islah dan SDN Gunung Anyar Tambak

Diskripsi singkat: Aplikasi Perpustakaan ini digunakan untuk menangani pelayanan pada perpustakaan yang dikelola oleh SD Al Islah dan SDN Gunung Anyar Tambak. Layanan perpustakaan yang disediakan pada aplikasi ini meliputi pengelolaan koleksi, katalog koleksi, usulan koleksi, dan sirkulasi koleksi.

Jenis Luaran: TTG

A. Gambaran Umum Aplikasi Perpustakaan SD Al Islah dan SDN Gunung Anyar Tambak

Aplikasi perpustakaan merupakan aplikasi yang digunakan untuk menangani pelayanan pada perpustakaan yang dikelola oleh SD Al Islah dan SDN Gunung Anyar Tambak. Fitur layanan perpustakaan yang disediakan pada aplikasi ini meliputi pengelolaan koleksi yang ada pada kedua SD, pencarian koleksi (katalog koleksi), usulan koleksi, dan sirkulasi koleksi. Dengan adanya aplikasi ini, pengelola perpustakaan pada kedua SD dipermudah dalam melakukan pengelolaan koleksi dan pelaksanaan transaksi yang terjadi di perpustakaan.

B. Spesifikasi Teknis Aplikasi Perpustakaan SD Al Islah dan SDN Gunung Anyar Tambak

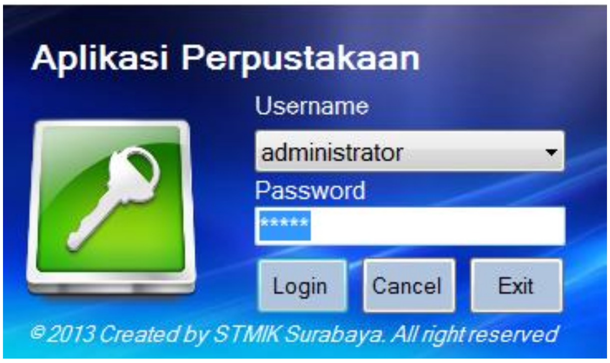
Aplikasi ini dibangun dengan basis desktop dan berorientasi pada pengguna. Spesifikasi minimum yang harus ada, yaitu:

1. Komputer perpustakaan sudah terinstall Windows Seven (Windows 7) 32-bit atau Windows versi lebih tinggi yang 32 bit.
2. Sudah terinstall IDAutomation agar aplikasi dapat mencetak barcode.
3. Sudah terinstall runtime Crystal Report agar aplikasi dapat mencetak laporan.
4. Sudah terinstall SQL Server 2005 Express Edition di komputer perpustakaan dan database LibraryApps juga sudah dimasukkan ke dalam sistem SQL Server 2005.

C. Panduan Penggunaan Aplikasi Perpustakaan

1. Form Login

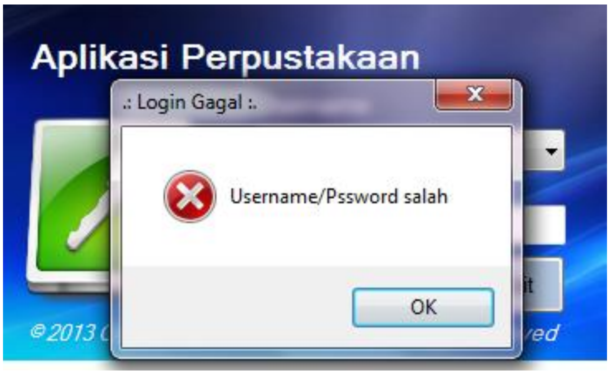
Form ini merupakan tampilan awal aplikasi perpustakaan. *User* diminta memasukkan data berupa *username* dan *password*. Jika *username* dan *password* benar, maka *user* akan diijinkan masuk ke dalam sistem. Jika tidak benar, maka aplikasi akan memunculkan pesan kesalahan. Berikut adalah tampilan form login.



Username: administrator

Password: *****

©2013 Created by STMIK Surabaya. All right reserved

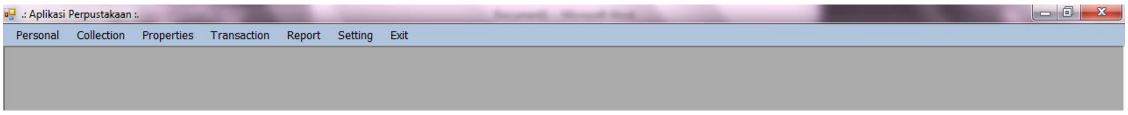


.: Login Gagal :.

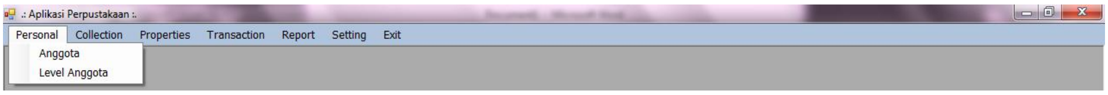
Username/Pssword salah

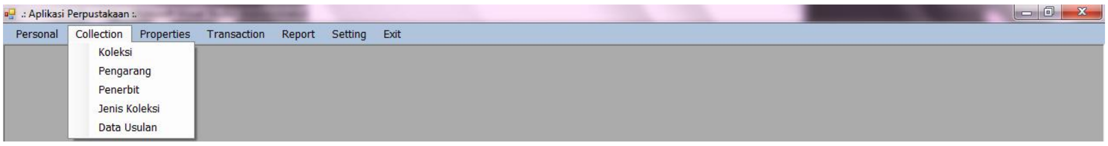
2. Form Menu Utama

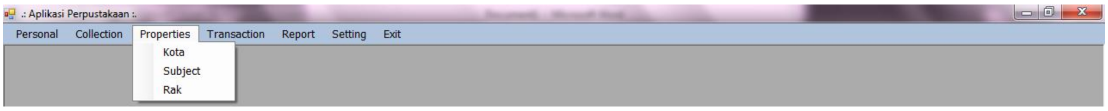
Terdapat tujuh menu dalam aplikasi perpustakaan, yaitu menu personal, menu *collection*, menu *properties*, menu *transaction*, menu *report*, menu *setting*, dan menu *exit*. Berikut adalah tampilan form menu utama.

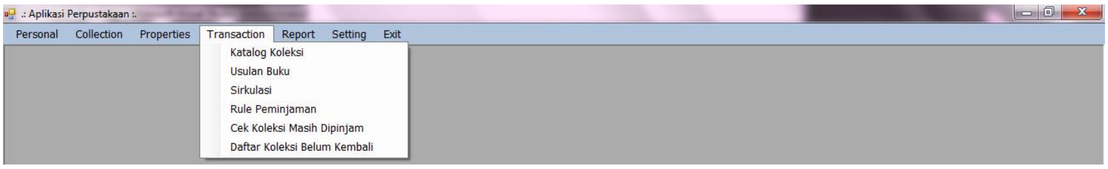

.: Aplikasi Perpustakaan :.
Personal
Collection
Properties
Transaction
Report
Setting
Exit

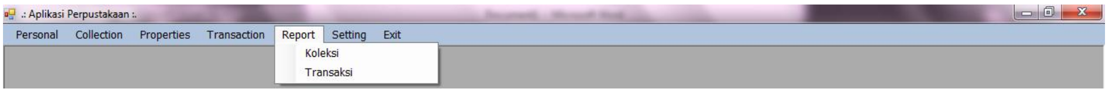
Menu personal terdiri atas dua submenu, yaitu: anggota dan level anggota. Menu *collection* terdiri atas lima submenu, yaitu: koleksi, pengarang, penerbit, jenis koleksi, dan data usulan. Menu *properties* terdiri atas tiga submenu, yaitu: kota, *subject*, dan rak. Menu *transaction* terdiri atas enam submenu, yaitu: katalog koleksi, usulan buku, sirkulasi, *rule* peminjaman, cek koleksi masih dipinjam, dan daftar koleksi belum kembali. Menu *report* terdiri atas dua submenu, yaitu: *report* koleksi dan transaksi. Pada menu *setting* terdapat pengaturan ubah *password*. Untuk menu *exit* tidak terdapat submenu. Menu *exit* hanya digunakan untuk keluar dari aplikasi perpustakaan.

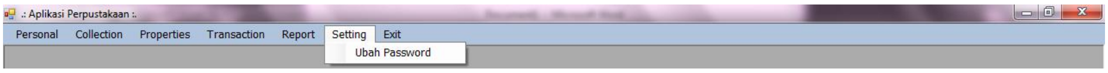

.: Aplikasi Perpustakaan :.
Personal
Collection
Properties
Transaction
Report
Setting
Exit
Anggota
Level Anggota


.: Aplikasi Perpustakaan :.
Personal
Collection
Properties
Transaction
Report
Setting
Exit
Koleksi
Pengarang
Penerbit
Jenis Koleksi
Data Usulan


.: Aplikasi Perpustakaan :.
Personal
Collection
Properties
Transaction
Report
Setting
Exit
Kota
Subject
Rak

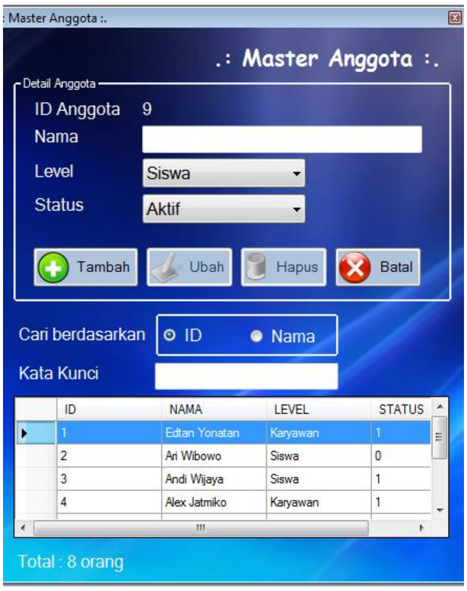

.: Aplikasi Perpustakaan :.
Personal
Collection
Properties
Transaction
Report
Setting
Exit
Katalog Koleksi
Usulan Buku
Sirkulasi
Rule Peminjaman
Cek Koleksi Masih Dipinjam
Daftar Koleksi Belum Kembali


.: Aplikasi Perpustakaan :.
Personal
Collection
Properties
Transaction
Report
Setting
Exit
Koleksi
Transaksi



3. Form Master Anggota

Form master anggota ini digunakan untuk menyimpan, mengubah, dan menghapus data anggota, baik siswa, guru, maupun karyawan. Data master anggota meliputi id anggota, nama anggota, level anggota (siswa, guru, atau karyawan), dan status anggota (aktif atau tidak aktif). Untuk menyimpan anggota, pihak perpustakaan tinggal mengisi nama, level, dan status lalu tekan tombol Simpan. Untuk mengubah, pilih data anggota yang ingin diubah identitasnya dengan klik daftar anggotanya. Setelah itu, lakukan perubahan data dan akhiri dengan menekan tombol Ubah. Begitu juga dengan menghapus data anggota, pilih dahulu data anggotanya lalu tekan tombol Hapus. Apabila dalam memilih data anggota mengalami kesulitan karena banyaknya data, maka lakukan saja proses pencarian. Pencarian data anggota dapat difilter berdasarkan id maupun nama anggota perpustakaan. Setelah itu, ketikkan saja data anggota pada isian kata kunci. Berikut adalah tampilan form master anggota.



ID Anggota 9
Nama
Level Siswa
Status Aktif

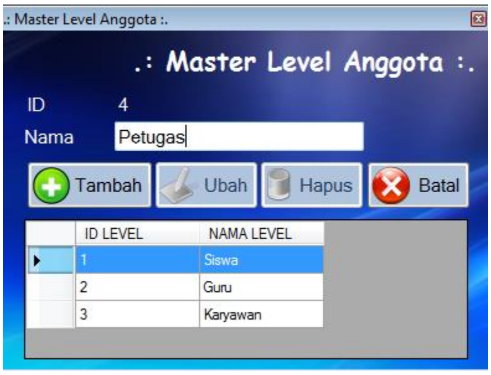
Cari berdasarkan ◉ ID ○ Nama
Kata Kunci

ID	NAMA	LEVEL	STATUS
1	Edtan Yonatan	Karyawan	1
2	Ari Wibowo	Siswa	0
3	Andi Wijaya	Siswa	1
4	Alex Jatmiko	Karyawan	1

Total : 8 orang

4. Form Level Anggota

Form level anggota digunakan untuk menyimpan, mengubah, dan menghapus data user, apakah berada di level siswa, guru, karyawan, atau level lainnya. Setiap level memiliki hak akses meminjam koleksi yang berbeda-beda. Untuk menyimpan level anggota, pihak perpustakaan tinggal mengisi nama level lalu tekan tombol Simpan. Untuk mengubah, pilih data level yang ingin diubah identitasnya dengan klik daftar levelnya. Setelah itu, lakukan perubahan data dan akhiri dengan menekan tombol Ubah. Begitu juga dengan menghapus data level, pilih dahulu data levelnya lalu tekan tombol Hapus. Berikut adalah tampilan form level anggota.



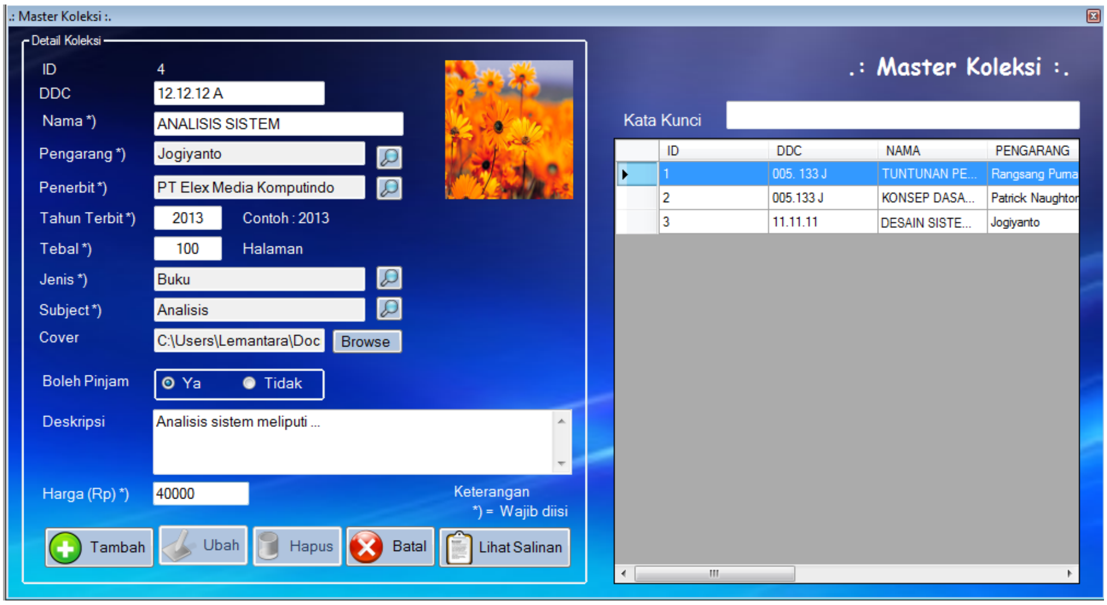
ID 4

Nama Petugas

	ID LEVEL	NAMA LEVEL
▶	1	Siswa
	2	Guru
	3	Karyawan

5. Form Master Koleksi

Form master koleksi digunakan untuk menyimpan, mengubah, dan menghapus data koleksi, baik berupa buku, CD, majalah, maupun jenis lainnya. Untuk menambah koleksi, user akan diminta mengisi DDC, judul koleksi, pengarang, penerbit, tahun terbit, tebal koleksi, jenis koleksi, subject koleksi, gambar cover, status boleh dipinjam atau tidak, deskripsi koleksi, dan harga koleksi. Setelah itu, akhiri proses dengan menekan tombol Tambah. Untuk mengubah data koleksi, pilih data yang ingin diubah dengan melakukan klik pada daftar koleksi. Setelah itu, lakukan perubahan data yang diinginkan dan tekan tombol Ubah. Untuk menghapus, tekan tombol Hapus dan untuk melihat daftar salinan dari koleksi bersangkutan, tekan tombol Lihat Salinan. Untuk lebih jelasnya, berikut adalah tampilan form master koleksi.



ID 4

DDC 12.12.12 A

Nama *) ANALISIS SISTEM

Pengarang *) Jogiyanto

Penerbit *) PT Elex Media Komputindo

Tahun Terbit *) 2013 Contoh : 2013

Tebal *) 100 Halaman

Jenis *) Buku

Subject *) Analisis

Cover C:\Users\Lemantara\Doc

Boleh Pinjam ● Ya ○ Tidak

Deskripsi Analisis sistem meliputi ...

Harga (Rp) *) 40000

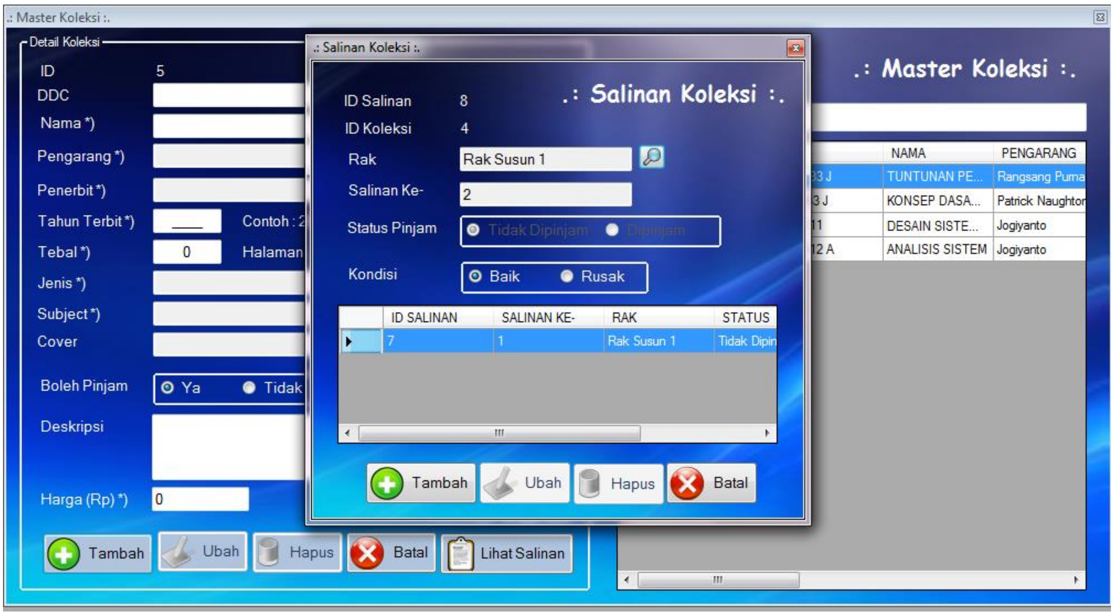
Keterangan
*) = Wajib diisi

Kata Kunci

	ID	DDC	NAMA	PENGARANG
▶	1	005. 133 J	TUNTUNAN PE...	Rangsang Puma
	2	005.133 J	KONSEP DASA...	Patrick Naughtor
	3	11.11.11	DESAIN SISTE...	Jogiyanto

6. **Form Salinan Koleksi**

Suatu perpustakaan tentu memiliki koleksi yang memiliki judul atau identitas yang sama, tetapi banyak salinan. Oleh karena itulah, form salinan koleksi ini dibutuhkan. Form salinan koleksi otomatis muncul setelah user berhasil menambahkan data sebuah koleksi. Form salinan koleksi ini juga dapat dimunculkan dengan cara lain, yaitu menekan tombol lihat salinan. Form salinan koleksi digunakan untuk menyimpan, mengubah, dan menghapus data salianan koleksi, baik yang berupa buku, CD, majalah, maupun jenis lainnya. Untuk menambah salinan koleksi, user akan diminta mengisi rak tempat salinan koleksi berada, salinan koleksi ke berapa, dan kondisi salinan koleksi bersangkutan. Untuk mengubah data salinan, pilih saja data salinan dalam daftar dengan melakukan klik. Setelah itu, lakukan perubahan data dan akhiri dengan menekan tombol Ubah. Begitu pula dengan menghapus salinan, pilih saja data yang ingin dihapus dan tekan tombol Hapus. Untuk lebih jelasnya, berikut adalah tampilan form salinan koleksi.


.: Master Koleksi :.
Detail Koleksi
DDC
Nama *)
Pengarang *)
Penerbit *)
Tahun Terbit *)
Contoh : 2
Halaman
Jenis *)
Subject *)
Cover
Deskripsi
Tambah
Ubah
Hapus
Batal
Lihat Salinan
.: Master Koleksi :.
.: Salinan Koleksi :.
.: Salinan Koleksi :.
Status Pinjam
○ Tidak Dipinjam
○ Dipinjam
Tambah
Ubah
Hapus
Batal

ID 5

Tebal *) 0

Boleh Pinjam ● Ya ○ Tidak

Harga (Rp) *) 0

ID Salinan 8

ID Koleksi 4

Rak Rak Susun 1

Salinan Ke- 2

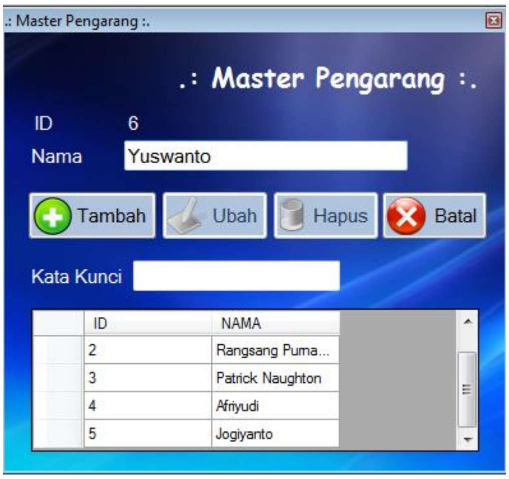
Kondisi ● Baik ○ Rusak

	ID SALINAN	SALINAN KE-	RAK	STATUS
▶	7	1	Rak Susun 1	Tidak Dipin

	NAMA	PENGARANG
33 J	TUNTUNAN PE...	Rangsang Purna
3 J	KONSEP DASA...	Patrick Naughtor
11	DESAIN SISTE...	Jogiyanto
12 A	ANALISIS SISTEM	Jogiyanto

7. **Form Master Pengarang**

Form master pengarang digunakan untuk menyimpan, mengubah, dan menghapus data pengarang. Dalam hal ini, data pengarang lebih mengacu kepada koleksi buku, bukan jenis koleksi yang lain, seperti: CD, majalah, dan lain-lain. Untuk menyimpan data pengarang, pihak perpustakaan tinggal mengisi nama pengarang lalu tekan tombol Simpan. Untuk mengubah, pilih data pengarang yang ingin diubah identitasnya dengan klik daftar pengarangnya. Setelah itu, lakukan perubahan data yang diinginkan dan akhiri dengan menekan tombol Ubah. Begitu juga dengan menghapus data pengarang, pilih dahulu data pengarangnya lalu tekan tombol Hapus. Berikut adalah tampilan form master pengarang.



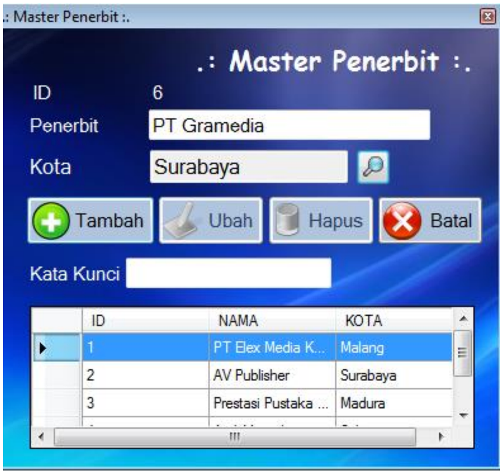
.: Master Pengarang :.

ID 6
Nama Yuswanto
Kata Kunci

ID	NAMA
2	Rangsang Purna...
3	Patrick Naughton
4	Afriyudi
5	Jogiyanto

8. Form Master Penerbit

Form master penerbit digunakan untuk menyimpan, mengubah, dan menghapus data penerbit. Dalam hal ini, data penerbit lebih mengacu kepada koleksi buku dan majalah. Untuk menyimpan data penerbit, pihak perpustakaan tinggal mengisi nama dan kota penerbit lalu tekan tombol Simpan. Untuk mengisi kota penerbit, klik tombol pencarian dan aplikasi akan memunculkan daftar kota. Pilih saja daftar kota yang diinginkan dengan melakukan klik di daftar kotanya. Untuk mengubah data penerbit, pilih data penerbit yang ingin diubah identitasnya dengan klik daftar penerbitnya. Setelah itu, lakukan perubahan data yang diinginkan dan akhiri dengan menekan tombol Ubah. Begitu juga dengan menghapus data penerbit, pilih dahulu data penerbitnya lalu tekan tombol Hapus. Berikut adalah tampilan form master penerbit.



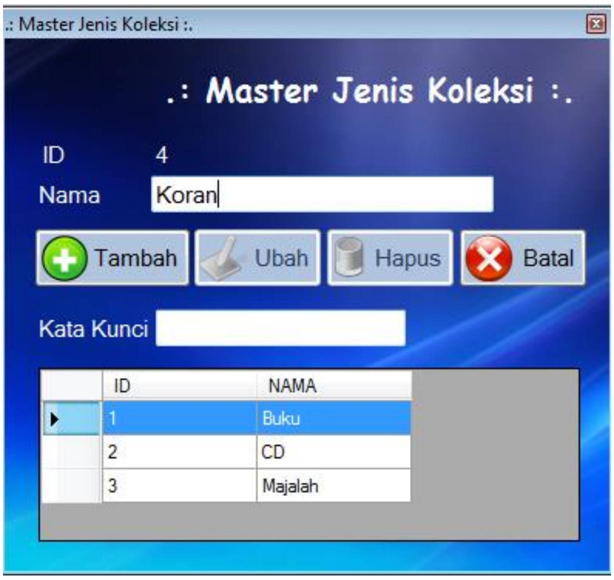
.: Master Penerbit :.

ID 6
Penerbit PT Gramedia
Kota Surabaya
Kata Kunci

ID	NAMA	KOTA
1	PT Elex Media K...	Malang
2	AV Publisher	Surabaya
3	Prestasi Pustaka ...	Madura

9. Form Jenis Koleksi

Form jenis koleksi ini digunakan untuk menyimpan, mengubah, dan menghapus jenis koleksi, seperti buku, CD, majalah, atau jenis koleksi lainnya. Untuk menyimpan data jenis koleksi, pihak perpustakaan tinggal mengisi nama jenis koleksi lalu tekan tombol Simpan. Untuk mengubah, pilih data jenis koleksi yang ingin diubah identitasnya dengan klik daftar jenisnya. Setelah itu, lakukan perubahan data yang diinginkan dan akhiri dengan menekan tombol Ubah. Begitu juga dengan menghapus data jenis koleksi, pilih dahulu data jenis koleksinya lalu tekan tombol Hapus. Berikut adalah tampilan form jenis koleksi.



ID 4

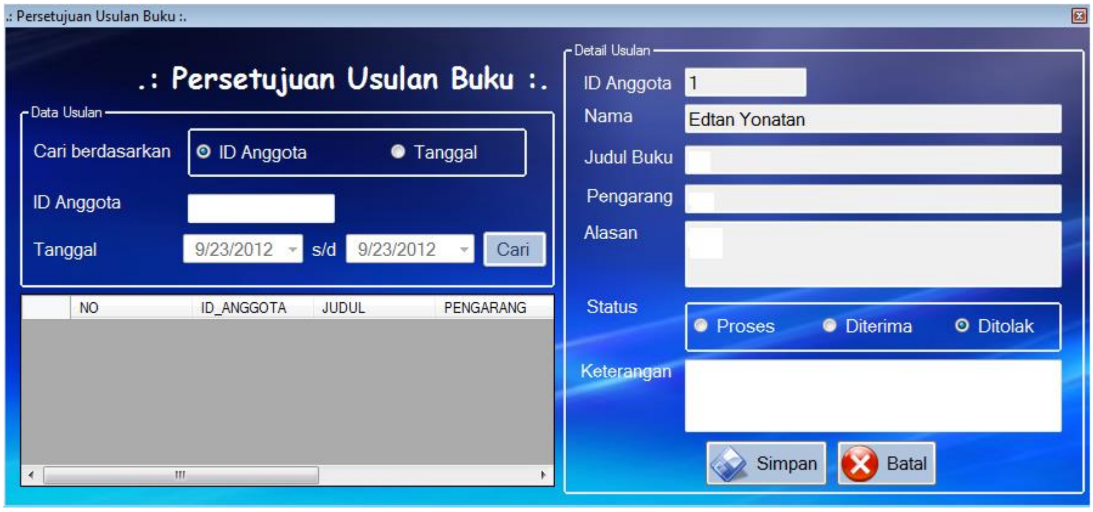
Nama Koran

Kata Kunci

ID	NAMA
1	Buku
2	CD
3	Majalah

10. Form Persetujuan Usulan Buku

Form usulan buku digunakan untuk menyimpan, mengubah, dan menghapus data-data usulan koleksi perpustakaan yang telah diminta (di-*request*) oleh anggota perpustakaan. Proses pencarian data usulan dapat difilter berdasarkan id anggota atau tanggal usulan. Petugas perpustakaan akan memproses usulan tersebut dengan memberikan status apakah usulan tersebut diterima/ditolak. Agar proses pemberian status persetujuan ini masuk ke database perpustakaan, pihak perpustakaan harus menekan tombol Simpan. Berikut adalah tampilan form persetujuan usulan buku.


.: Persetujuan Usulan Buku :.
Data Usulan
Cari berdasarkan
● ID Anggota
○ Tanggal
Cari
Detail Usulan
Judul Buku
Pengarang
Alasan
Status
○ Proses
○ Diterima
● Ditolak
Keterangan
Simpan
Batal

ID Anggota

Tanggal 9/23/2012 s/d 9/23/2012

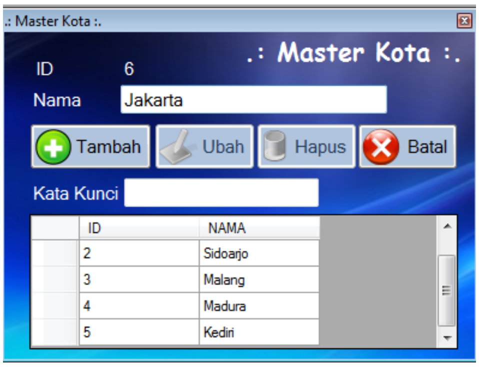
NO	ID_ANGGOTA	JUDUL	PENGARANG

ID Anggota 1

Nama Edtan Yonatan

11. Form Master Kota

Form master kota digunakan untuk menyimpan, mengubah, dan menghapus data kota. Dalam hal ini, kota yang dimaksud adalah kota dari penerbit koleksi. Untuk menyimpan data kota, pihak perpustakaan tinggal mengisi nama kota lalu tekan tombol Simpan. Untuk mengubah, pilih data kota yang ingin diubah identitasnya dengan klik daftar kotanya. Setelah itu, lakukan perubahan data yang diinginkan dan akhiri dengan menekan tombol Ubah. Begitu juga dengan menghapus data kota, pilih dahulu data kota yang ingin dihapus lalu tekan tombol Hapus. Berikut adalah tampilan form master kota.


.: Master Kota :.
Tambah
Ubah
Hapus
Batal
Kata Kunci

ID 6

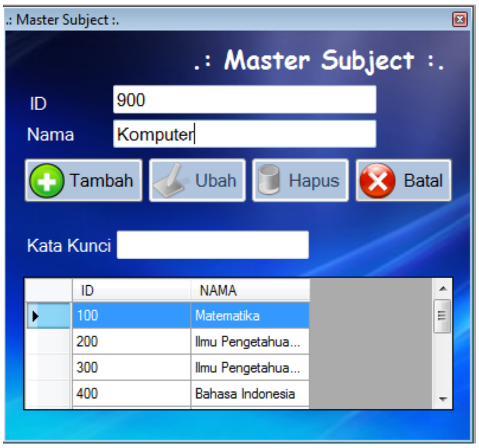
Nama Jakarta

ID	NAMA
2	Sidoarjo
3	Malang
4	Madura
5	Kediri

12. Form Master Subject

Form master subject digunakan untuk menyimpan, mengubah, dan menghapus data subjek atau kategori koleksi. Penggunaan subject ini ditujukan agar nantinya pengunjung/petugas perpustakaan dapat lebih mudah dalam melakukan proses penataan dan pencarian koleksi. Untuk menyimpan data subject, pihak perpustakaan tinggal mengisi id dan nama subject lalu tekan tombol Simpan. Untuk mengubah, pilih data subject yang ingin diubah identitasnya dengan klik daftar subjectnya. Setelah itu, lakukan perubahan data yang diinginkan dan akhiri dengan menekan tombol Ubah.

Begitu juga dengan menghapus data subject, pilih dahulu data subjectnya lalu tekan tombol Hapus. Berikut adalah tampilan form master subject.

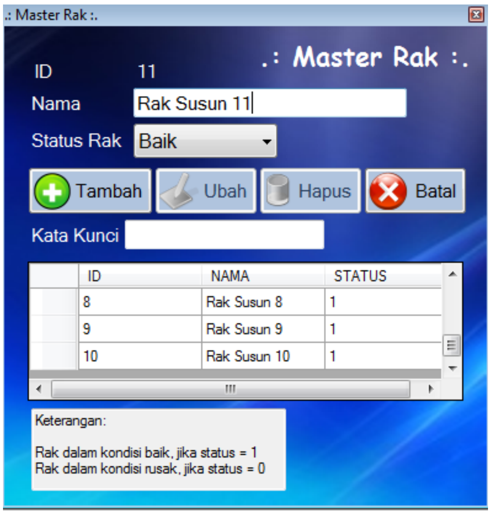


ID: 900
Nama: Komputer
Kata Kunci:

ID	NAMA
100	Matematika
200	Ilmu Pengetahua...
300	Ilmu Pengetahua...
400	Bahasa Indonesia

13. Form Master Rak

Form master rak digunakan untuk menyimpan, mengubah, dan menghapus data rak. Dalam form ini, untuk rak yang masih digunakan (atau dalam kondisi baik) akan bernilai 1, sedangkan rak yang tidak digunakan (atau dalam kondisi rusak) akan bernilai 0. Rak yang digunakan bisa berupa rak susun, lemari, maupun berbagi furniture lainnya. Untuk menyimpan data rak, pihak perpustakaan tinggal mengisi nama rak dan memilih status rak (baik/buruk) lalu tekan tombol Simpan. Untuk mengubah, pilih data rak yang ingin diubah identitasnya dengan klik daftar rak bersangkutan. Setelah itu, lakukan perubahan data yang diinginkan dan akhiri dengan menekan tombol Ubah. Begitu juga dengan menghapus data rak, pilih dahulu data rak yang ingin dihapus lalu tekan tombol Hapus. Berikut ini adalah tampilan form master rak.



ID: 11
Nama: Rak Susun 11
Status Rak: Baik
Kata Kunci:

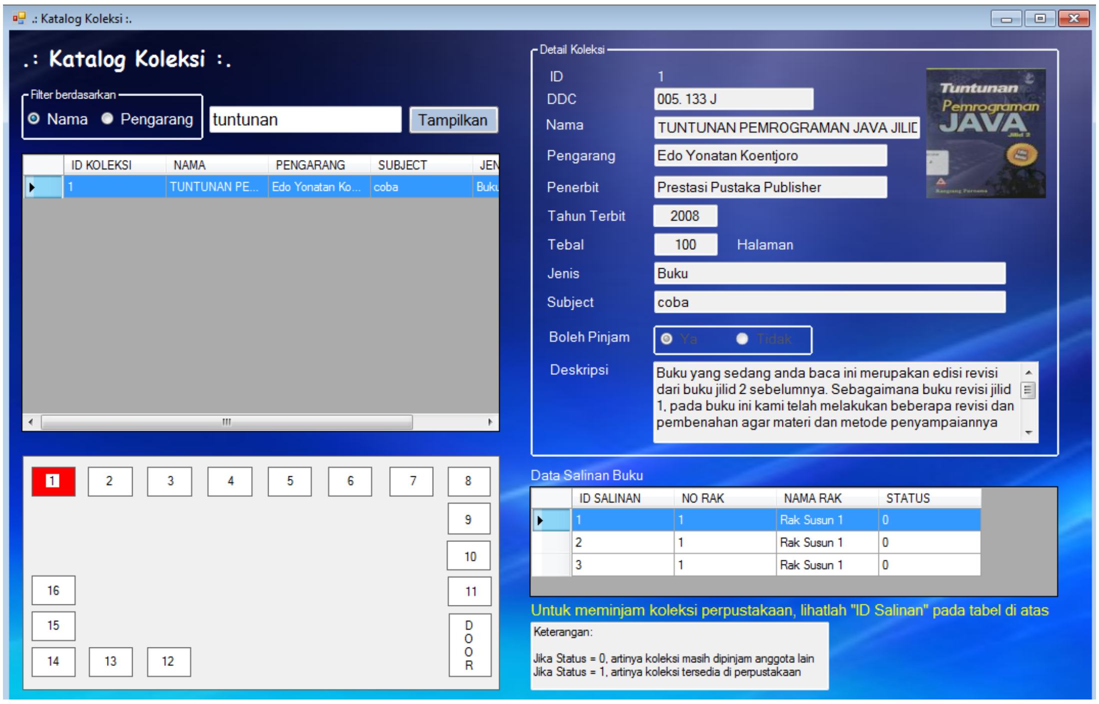
ID	NAMA	STATUS
8	Rak Susun 8	1
9	Rak Susun 9	1
10	Rak Susun 10	1

Keterangan:

Rak dalam kondisi baik, jika status = 1
Rak dalam kondisi rusak, jika status = 0

14. Form Katalog

Form katalog digunakan untuk mencari koleksi yang dimiliki oleh perpustakaan. Form katalog ini dapat digunakan oleh petugas perpustakaan, guru, maupun siswa. Untuk mencari koleksi, user tinggal mengisi kata kunci berdasarkan nama koleksi atau pengarang. Setelah kata kunci diisi, user tinggal menekan tombol tampilkan atau menekan Enter pada keyboard. Aplikasi akan menampilkan daftar koleksi yang dimiliki perpustakaan sesuai dengan kata kunci pencarian yang telah diinputkan user sebelumnya. Selanjutnya, user tinggal melakukan klik pada daftar koleksi yang sebenarnya diinginkan. Aplikasi akan menampilkan detail koleksi bersangkutan. Selain itu, aplikasi juga menampilkan letak koleksi dengan memberi warna merah yang berkedip-kedip pada peta digital. Untuk lebih jelasnya, berikut adalah tampilan form katalog.



Filter berdasarkan: ● Nama ○ Pengarang

tuntunan

	ID KOLEKSI	NAMA	PENGARANG	SUBJECT	JEN
▶	1	TUNTUNAN PE...	Edo Yonatan Ko...	coba	Buku

Detail Koleksi

ID: 1
DDC: 005. 133 J
Nama: TUNTUNAN PEMROGRAMAN JAVA JILID
Pengarang: Edo Yonatan Koentjoro
Penerbit: Prestasi Pustaka Publisher
Tahun Terbit: 2008
Tebal: 100 Halaman
Jenis: Buku
Subject: coba
Boleh Pinjam: ● Ya ○ Tidak
Deskripsi: Buku yang sedang anda baca ini merupakan edisi revisi dari buku jilid 2 sebelumnya. Sebagaimana buku revisi jilid 1, pada buku ini kami telah melakukan beberapa revisi dan pembenahan agar materi dan metode penyampaiannya

Data Salinan Buku

	ID SALINAN	NO RAK	NAMA RAK	STATUS
▶	1	1	Rak Susun 1	0
	2	1	Rak Susun 1	0
	3	1	Rak Susun 1	0

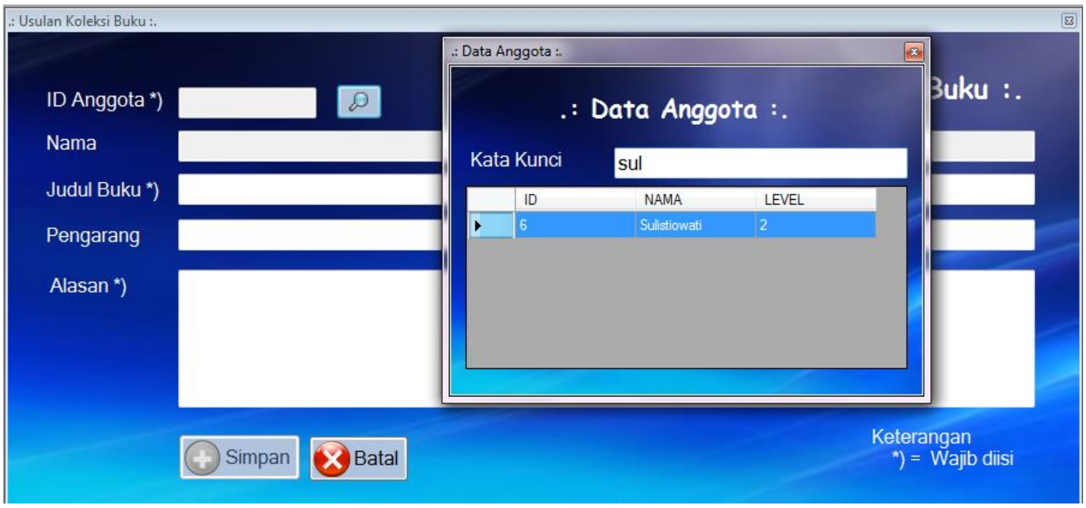
Untuk meminjam koleksi perpustakaan, lihatlah "ID Salinan" pada tabel di atas

Keterangan:

Jika Status = 0, artinya koleksi masih dipinjam anggota lain
Jika Status = 1, artinya koleksi tersedia di perpustakaan

15. Form Usulan Koleksi

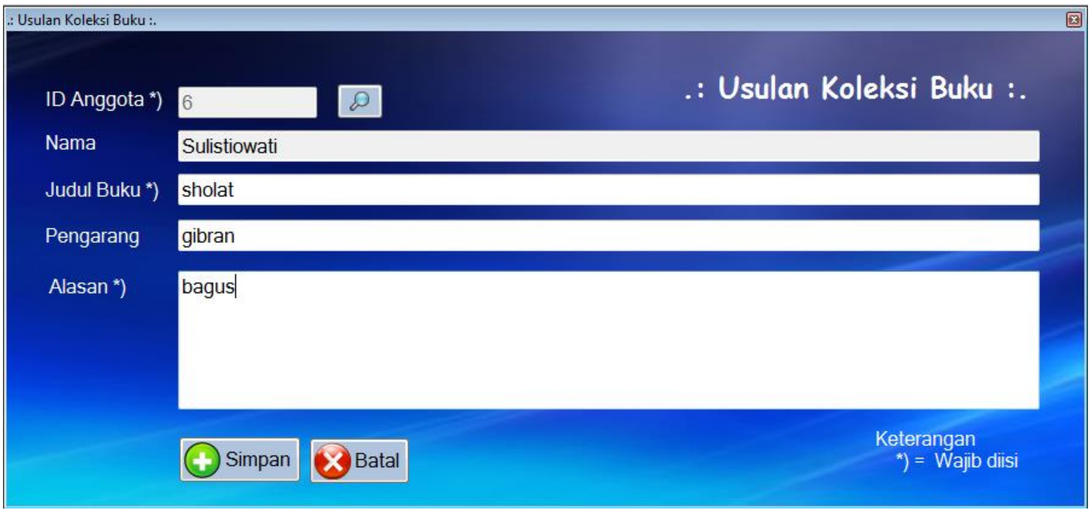
Form usulan koleksi digunakan untuk menyimpan usulan koleksi dari anggota perpustakaan kepada pihak perpustakaan. Cara mengusulkan yaitu tekan tombol pencarian dahulu. Setelah itu, aplikasi akan menampilkan form data anggota. Pilih data anggota yang sesuai dengan identitas pengusul. Apabila kesulitan mencari data anggota yang jumlahnya banyak, ketik saja nama identitas pengusul di isian kata kunci lalu klik daftar anggotanya. Setelah terisi data pengusul, lanjutkan dengan pengisian judul, pengarang, dan alasan mengusulkan koleksi tersebut. Setelah semua data terisi lengkap, tekan tombol Simpan agar usulan koleksi dapat diproses. Berikut adalah tampilan form usulan koleksi.


.: Usulan Koleksi Buku :.
ID Anggota *)
Nama
Judul Buku *)
Pengarang
Alasan *)
Simpan
Batal
Keterangan
*) = Wajib diisi
.: Data Anggota :.
Buku :.

.: Data Anggota :.

Kata Kunci: sul

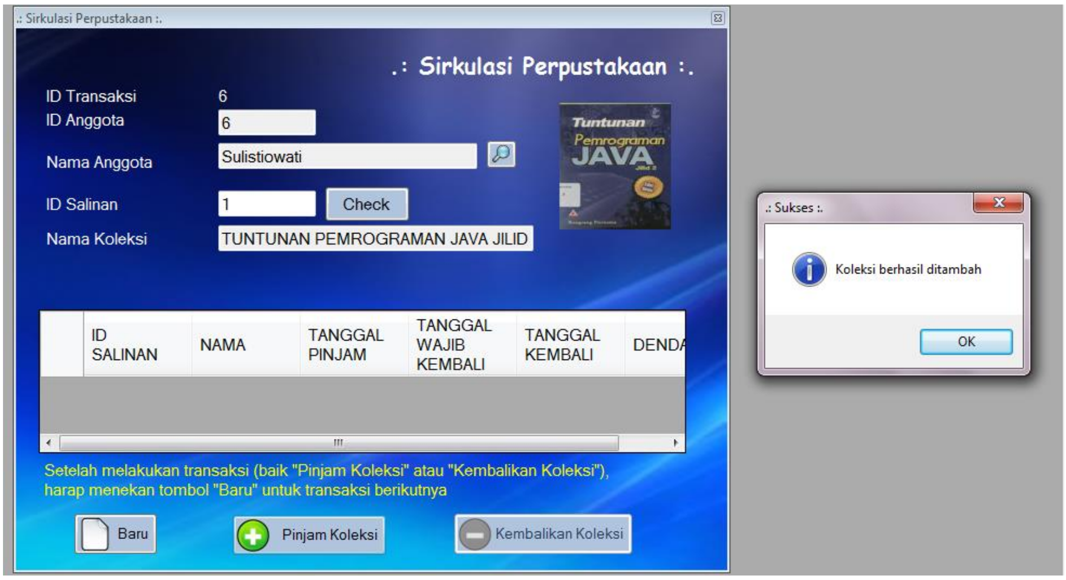
ID	NAMA	LEVEL
6	Sulistiowati	2


.: Usulan Koleksi Buku :.
Simpan
Batal
Keterangan
*) = Wajib diisi

ID Anggota *): 6
Nama: Sulistiowati
Judul Buku *): sholat
Pengarang: gibran
Alasan *): bagus

16. Form Sirkulasi

Form sirkulasi digunakan oleh petugas perpustakaan untuk melayani transaksi peminjaman dan pengembalian koleksi. Untuk peminjaman, petugas dapat melakukan pencarian anggota terlebih dahulu dengan menekan tombol yang bergambar kaca pembesar. Setelah itu, petugas dapat mengisi id salinan dan menekan tombol check untuk memastikan bahwa koleksi memang benar-benar bisa dipinjam. Setelah itu, petugas dapat menekan tombol pinjam koleksi agar transaksi peminjaman dapat diproses. Untuk pengembalian, caranya hampir sama dengan peminjaman. Petugas tinggal mencari anggota dan mengisi id salinan. Jika ditekan tombol check ternyata anggota tersebut yang meminjam, maka tombol kembalikan koleksi akan menyala dan tombol pinjam koleksi akan berada dalam kondisi mati. Jika pengembalian koleksi ingin diproses lebih lanjut, petugas dapat menekan tombol kembalikan koleksi. Dengan demikian, koleksi akan dianggap kembali oleh sistem. Apabila ada denda saat pengembalian koleksi, total denda juga akan dimunculkan oleh aplikasi sehingga petugas dapat menagih kepada anggota yang melanggar dan melewati batas pengembalian. Berikut adalah tampilan form sikulasi yang digunakan untuk peminjaman dan pengembalian koleksi.

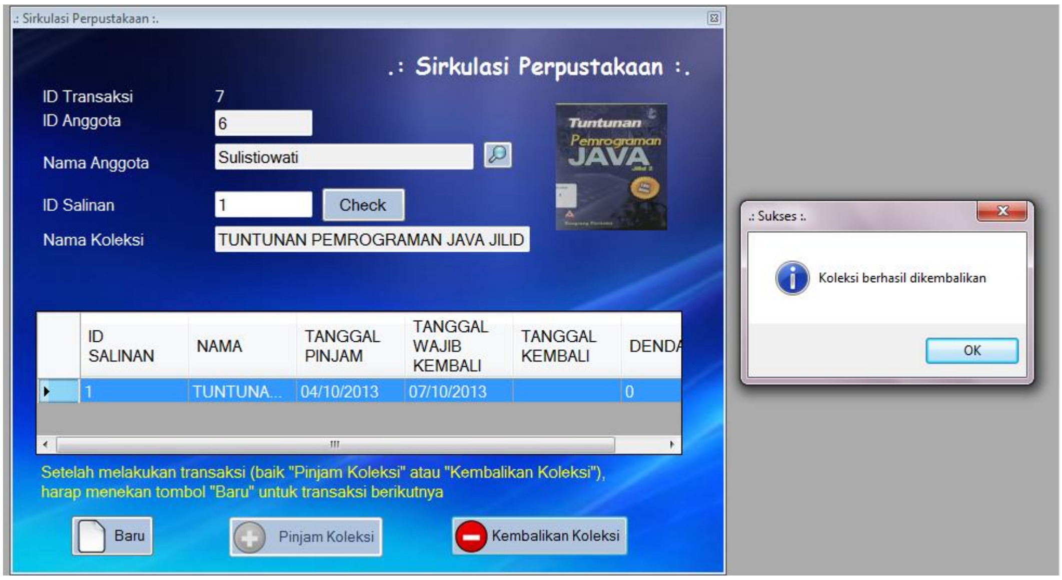

.: Sirkulasi Perpustakaan :.
.: Sirkulasi Perpustakaan :.
Check
Baru
Pinjam Koleksi
Kembalikan Koleksi
.: Sukses :.
OK

ID Transaksi 6
ID Anggota 6
Nama Anggota Sulistiowati
ID Salinan 1
Nama Koleksi TUNTUNAN PEMROGRAMAN JAVA JILID

	ID SALINAN	NAMA	TANGGAL PINJAM	TANGGAL WAJIB KEMBALI	TANGGAL KEMBALI	DENDA

Setelah melakukan transaksi (baik "Pinjam Koleksi" atau "Kembalikan Koleksi"), harap menekan tombol "Baru" untuk transaksi berikutnya

Koleksi berhasil ditambah


.: Sirkulasi Perpustakaan :.
.: Sirkulasi Perpustakaan :.
Check
Baru
Pinjam Koleksi
Kembalikan Koleksi
.: Sukses :.
OK

ID Transaksi 7
ID Anggota 6
Nama Anggota Sulistiowati
ID Salinan 1
Nama Koleksi TUNTUNAN PEMROGRAMAN JAVA JILID

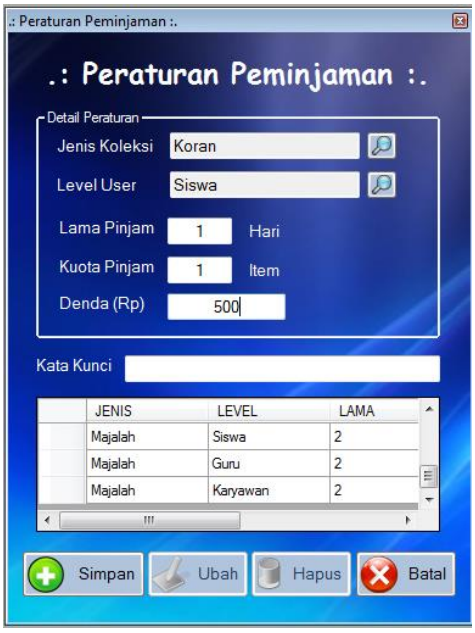
	ID SALINAN	NAMA	TANGGAL PINJAM	TANGGAL WAJIB KEMBALI	TANGGAL KEMBALI	DENDA
▸	1	TUNTUNA...	04/10/2013	07/10/2013		0

Setelah melakukan transaksi (baik "Pinjam Koleksi" atau "Kembalikan Koleksi"), harap menekan tombol "Baru" untuk transaksi berikutnya

Koleksi berhasil dikembalikan

17. Form Peraturan Peminjaman

Form peraturan peminjaman digunakan untuk menyimpan, mengubah, dan menghapus hak akses tiap level anggota dalam mengukur batas peminjaman koleksi di perpustakaan. Dalam hal ini, form peraturan peminjaman ditujukan kepada lama peminjaman koleksi, kuota peminjaman, dan denda berdasarkan jenis koleksi dan level anggota. Untuk menambah data peraturan, pihak perpustakaan tinggal mengisi jenis koleksi, level user, lama pinjam, kuota pinjam dan besar denda lalu tekan tombol Simpan. Untuk mengubah, pilih data pertauran yang ingin diubah identitasnya dengan klik daftar peraturan bersangkutan. Setelah itu, lakukan perubahan data yang diinginkan dan akhiri dengan menekan tombol Ubah. Begitu pula dengan proses menghapus data rak, pilih dahulu data rak yang ingin dihapus lalu tekan tombol Hapus. Berikut adalah tampilan form peraturan peminjaman.

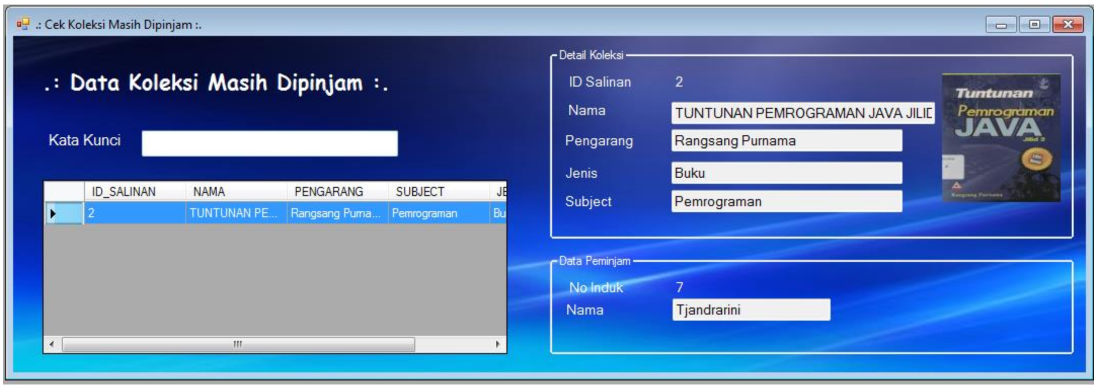

.: Peraturan Peminjaman :.
.: Peraturan Peminjaman :.
Detail Peraturan
Simpan
Ubah
Hapus
Batal

Jenis Koleksi: Koran
Level User: Siswa
Lama Pinjam: 1 Hari
Kuota Pinjam: 1 Item
Denda (Rp): 500
Kata Kunci:

JENIS	LEVEL	LAMA
Majalah	Siswa	2
Majalah	Guru	2
Majalah	Karyawan	2

18. Form Data Koleksi Masih Dipinjam

Form data koleksi ini digunakan untuk menampilkan daftar koleksi yang sedang dipinjam hingga saat ini. Jika ingin melihat detail peminjam dari koleksi, user tinggal melakukan klik pada salinan koleksi tersebut. Berikut adalah tampilan form data koleksi yang masih dipinjam.


.: Cek Koleksi Masih Dipinjam :.
.: Data Koleksi Masih Dipinjam :.
Detail Koleksi
Data Peminjam
Tuntunan
Pemrograman
JAVA

Kata Kunci:

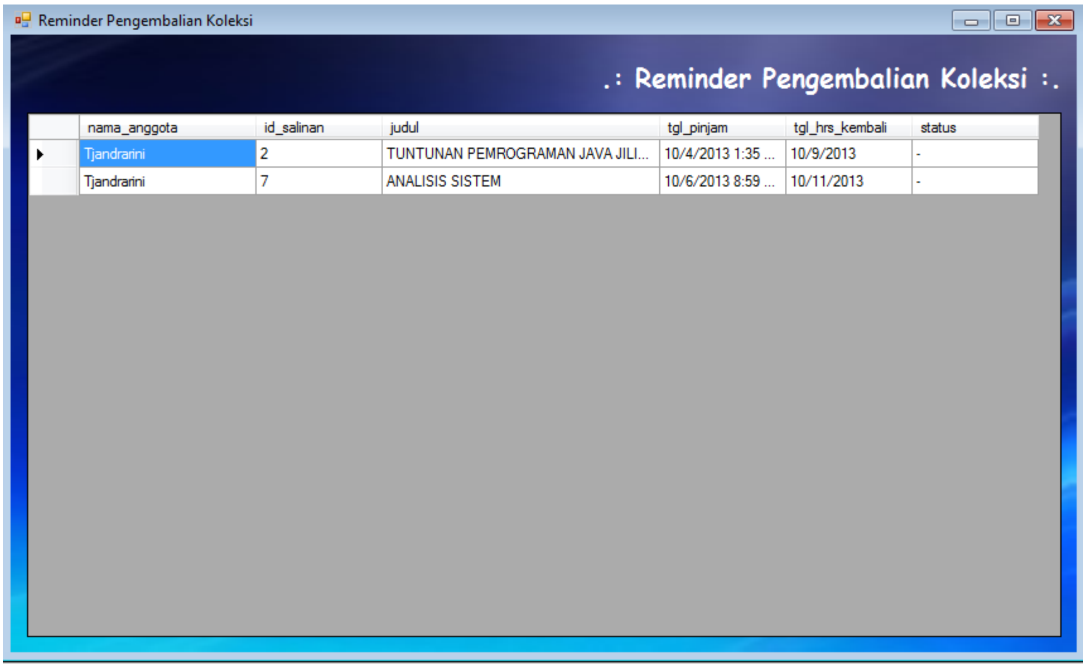
ID_SALINAN	NAMA	PENGARANG	SUBJECT	JE
2	TUNTUNAN PE...	Rangsang Purna...	Pemrograman	Bu

ID Salinan: 2
Nama: TUNTUNAN PEMROGRAMAN JAVA JILID
Pengarang: Rangsang Purnama
Jenis: Buku
Subject: Pemrograman

No Induk: 7
Nama: Tjandrarini

19. Form Reminder Pengembalian

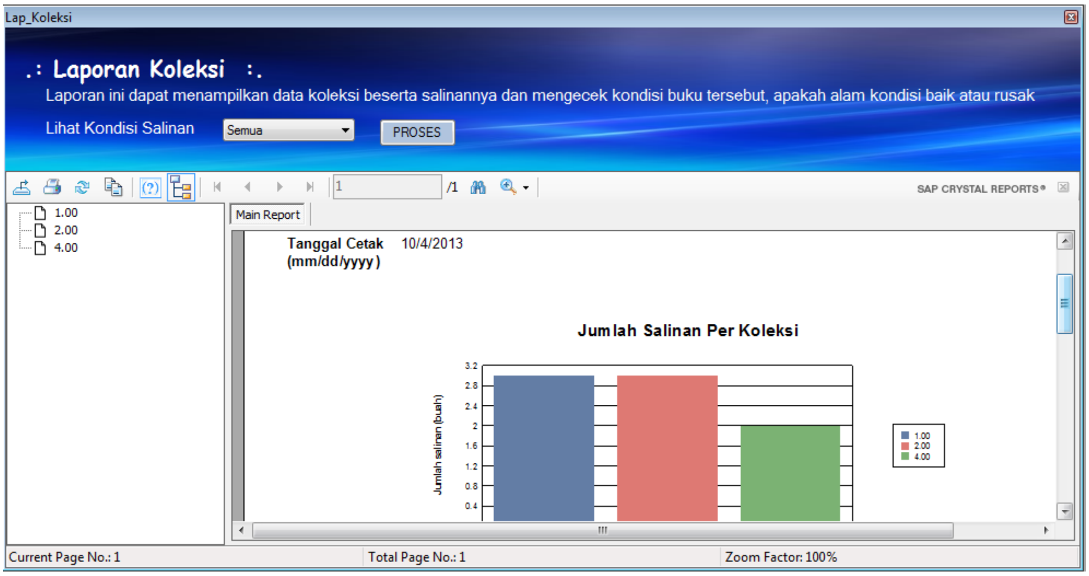
Form reminder pengembalian koleksi ini digunakan untuk menampilkan daftar peminjam siapa saja yang belum mengembalikan koleksi perpustakaan. Aplikasi akan memberikan status TELAT apabila ada peminjam yang belum mengembalikan koleksi melebihi tanggal pengembalian seharusnya. Dengan adanya form ini, petugas dapat mengetahui peminjam yang sudah jatuh tempo dengan lebih mudah dan cepat. Selanjutnya, petugas dapat menagih tunggakan pinjaman buku kepada anggota yang bersangkutan. Berikut adalah tampilan form reminder pengembalian koleksi.


Reminder Pengembalian Koleksi
.: Reminder Pengembalian Koleksi :.

nama_anggota	id_salinan	judul	tgl_pinjam	tgl_hrs_kembali	status
Tjandrarini	2	TUNTUNAN PEMROGRAMAN JAVA JILI...	10/4/2013 1:35 ...	10/9/2013	-
Tjandrarini	7	ANALISIS SISTEM	10/6/2013 8:59 ...	10/11/2013	-

20. Form Laporan Koleksi

Form laporan koleksi berfungsi untuk menampilkan rekap koleksi yang dimiliki oleh perpustakaan, baik koleksi yang kondisinya masih baik maupun rusak. Untuk menampikan laporan koleksi, user tinggal memilih kondisi salinan (semua/baik/rusak). Apabila user memilih semua, maka rekap koleksi yang kondisinya baik dan rusak akan ditampilkan. Apabila user memilih baik, maka rekap koleksi yang kondisinya baik saja yang akan ditampilkan. Demikian juga halnya, apabila user memilih rusak, maka koleksi yang kondisinya rusak saja yang akan ditampilkan oleh aplikasi. Berikut adalah tampilan form laporan koleksi.


Lap_Koleksi

.: Laporan Koleksi :.

Laporan ini dapat menampilkan data koleksi beserta salinannya dan mengecek kondisi buku tersebut, apakah alam kondisi baik atau rusak

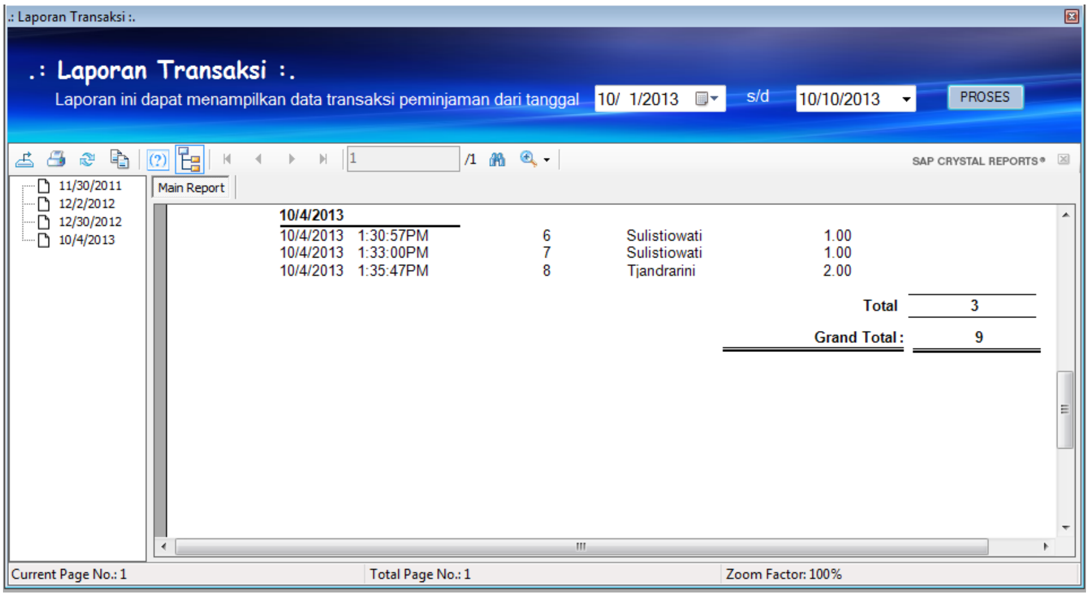
Lihat Kondisi Salinan: Semua

Tanggal Cetak (mm/dd/yyyy) 10/4/2013

PROSES
SAP CRYSTAL REPORTS®
1.00
2.00
4.00
Main Report
Jumlah Salinan Per Koleksi
Jumlah salinan (buah)
3.2
2.8
2.4
2
1.6
1.2
0.8
0.4
1.00
2.00
4.00
Current Page No.: 1
Total Page No.: 1
Zoom Factor: 100%

21. Form Laporan Peminjaman

Form laporan peminjaman berfungsi untuk menampilkan rekap transaksi peminjaman yang terjadi selama periode waktu tertentu. Untuk menampikan laporan peminjaman, user tinggal memilih tanggal awal sampai dengan tanggal akhir sebagai periode pelaporan. Setelah itu, aplikasi akan menampilkan transaksi peminjaman dalam periode waktu tersebut. Berikut adalah tampilan form laporan transaksi peminjaman.


.: Laporan Transaksi :.

.: Laporan Transaksi :.

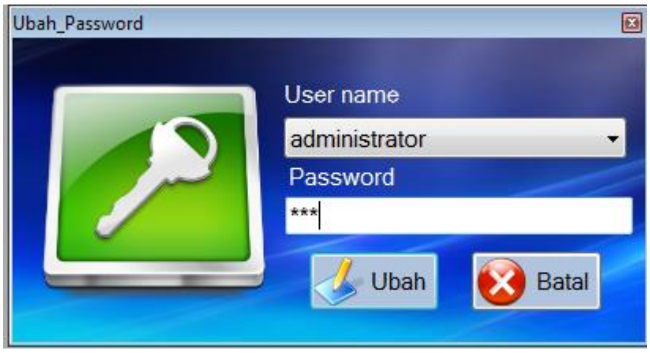
Laporan ini dapat menampilkan data transaksi peminjaman dari tanggal 10/ 1/2013 s/d 10/10/2013

```
10/4/2013
10/4/2013   1:30:57PM        6      Sulistiowati       1.00
10/4/2013   1:33:00PM        7      Sulistiowati       1.00
10/4/2013   1:35:47PM        8      Tjandrarini        2.00

                                               Total         3

                                         Grand Total :       9
```

PROSES
SAP CRYSTAL REPORTS®
11/30/2011
12/2/2012
12/30/2012
10/4/2013
Main Report
Current Page No.: 1
Total Page No.: 1
Zoom Factor: 100%

22. Form Ubah Password

Form ubah password digunakan untuk mengganti password dari user tertentu. Untuk mengubah password, user tinggal memilih username (administrator/guest) dan mengisi password yang baru. Setelah itu, tekan tombol Ubah. Berikut adalah tampilan form ubah password.

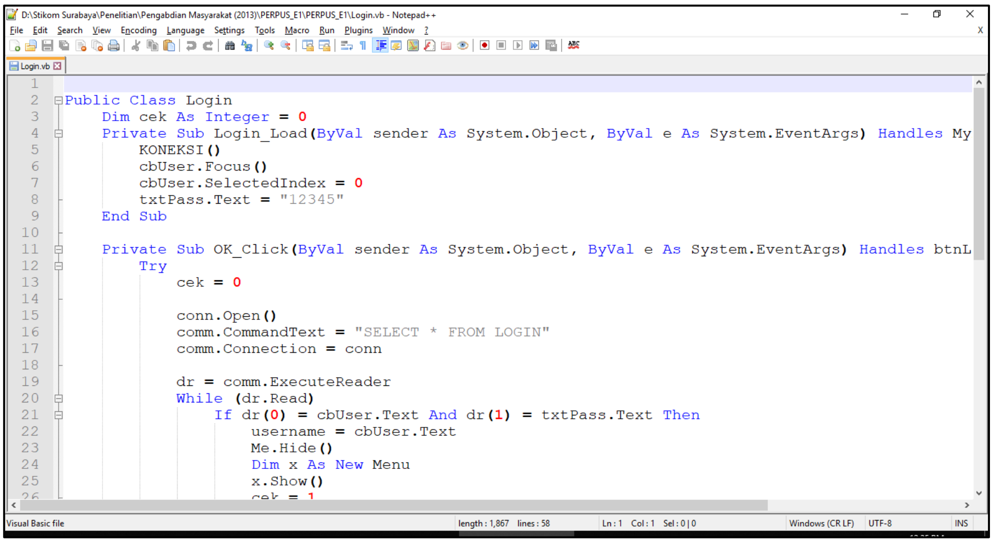

Ubah_Password
Ubah
Batal

User name
administrator

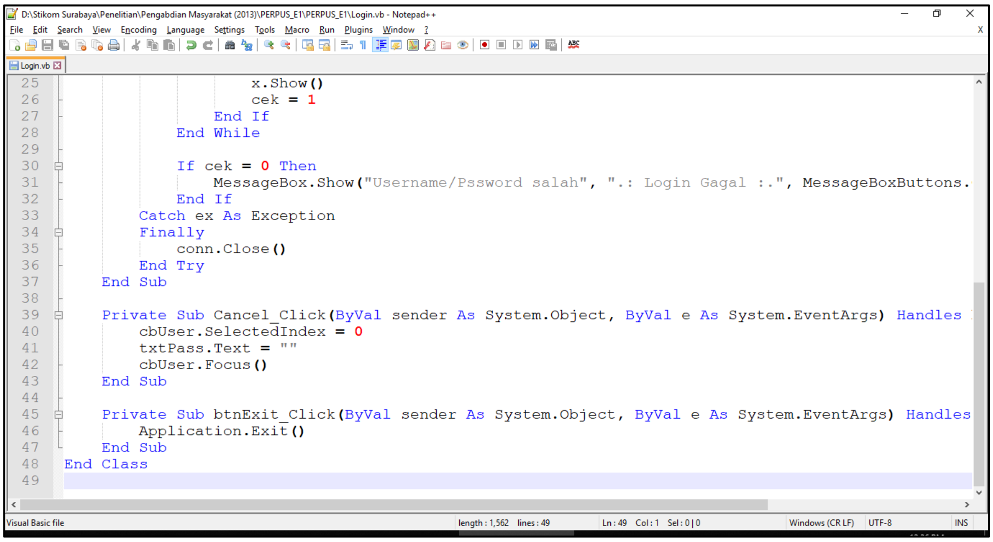
Password
***

D. Source Code Aplikasi Perpustakaan SD Al Islah dan SDN Gunung Anyar Tambak Surabaya

1. Form Login

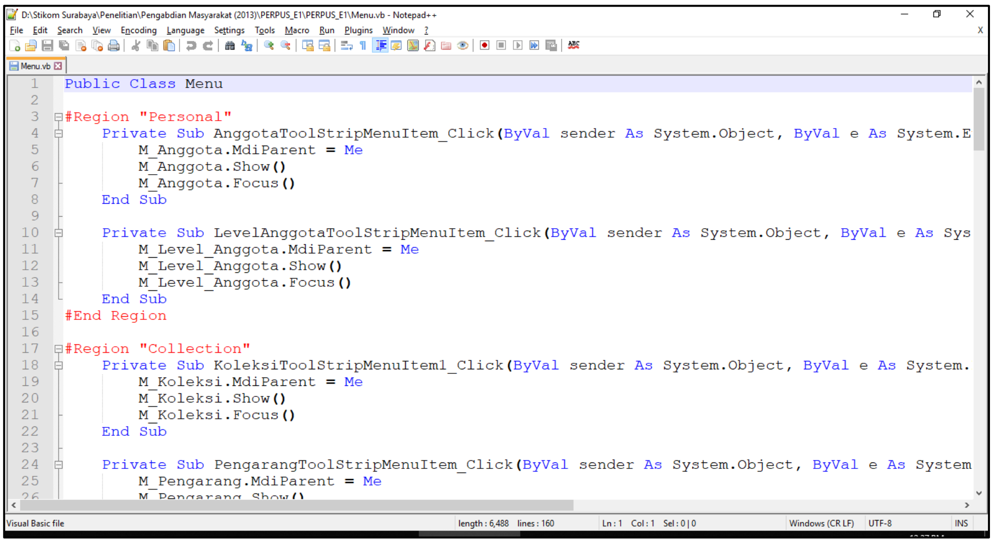

D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\Login.vb - Notepad++
File
Edit
Search
View
Encoding
Language
Settings
Tools
Macro
Run
Plugins
Window
?
Login.vb
Visual Basic file
length : 1,867 lines : 58
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

```

Public Class Login
    Dim cek As Integer = 0
    Private Sub Login_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles My
        KONEKSI()
        cbUser.Focus()
        cbUser.SelectedIndex = 0
        txtPass.Text = "12345"
    End Sub

    Private Sub OK_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnL
        Try
            cek = 0

            conn.Open()
            comm.CommandText = "SELECT * FROM LOGIN"
            comm.Connection = conn

            dr = comm.ExecuteReader
            While (dr.Read)
                If dr(0) = cbUser.Text And dr(1) = txtPass.Text Then
                    username = cbUser.Text
                    Me.Hide()
                    Dim x As New Menu
                    x.Show()
                    cek = 1
```

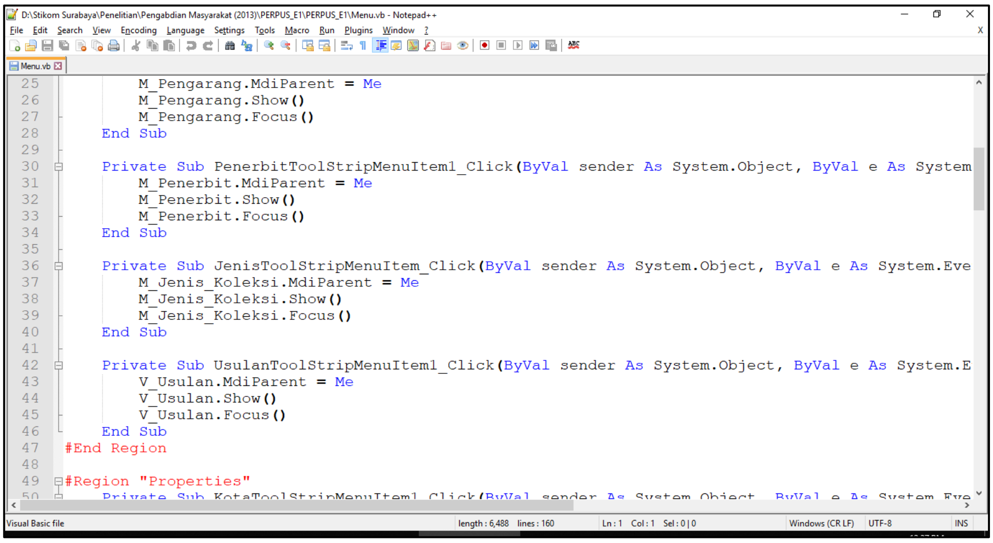

D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\Login.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
Login.vb
Visual Basic file
length : 1,562 lines : 49
Ln : 49 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

```
                    x.Show()
                    cek = 1
                End If
            End While

            If cek = 0 Then
                MessageBox.Show("Username/Pssword salah", ".: Login Gagal :.", MessageBoxButtons.
            End If
        Catch ex As Exception
        Finally
            conn.Close()
        End Try
    End Sub

    Private Sub Cancel_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
        cbUser.SelectedIndex = 0
        txtPass.Text = ""
        cbUser.Focus()
    End Sub

    Private Sub btnExit_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
        Application.Exit()
    End Sub
End Class

```

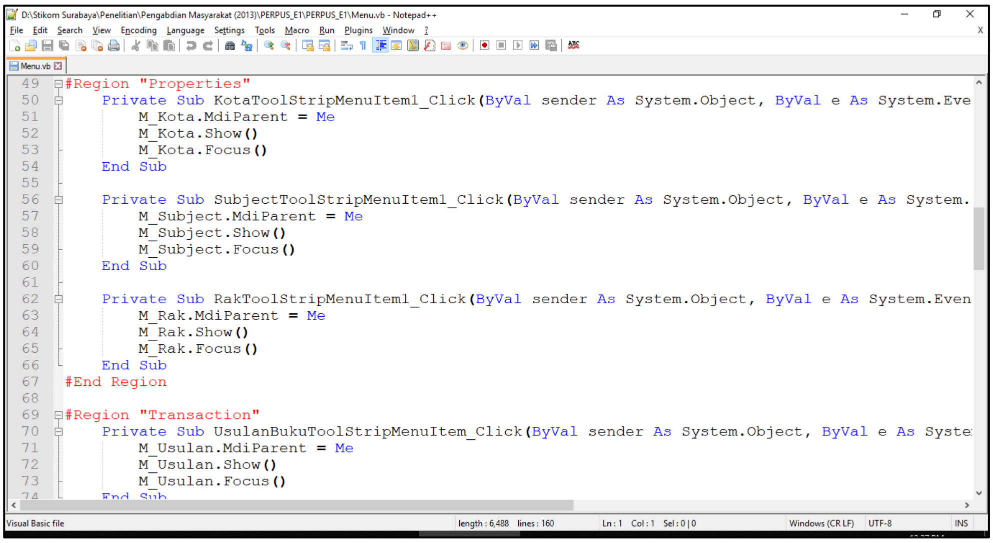
2. Form Menu Utama


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\Menu.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
Menu.vb
Visual Basic file
length : 6,488 lines : 160
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

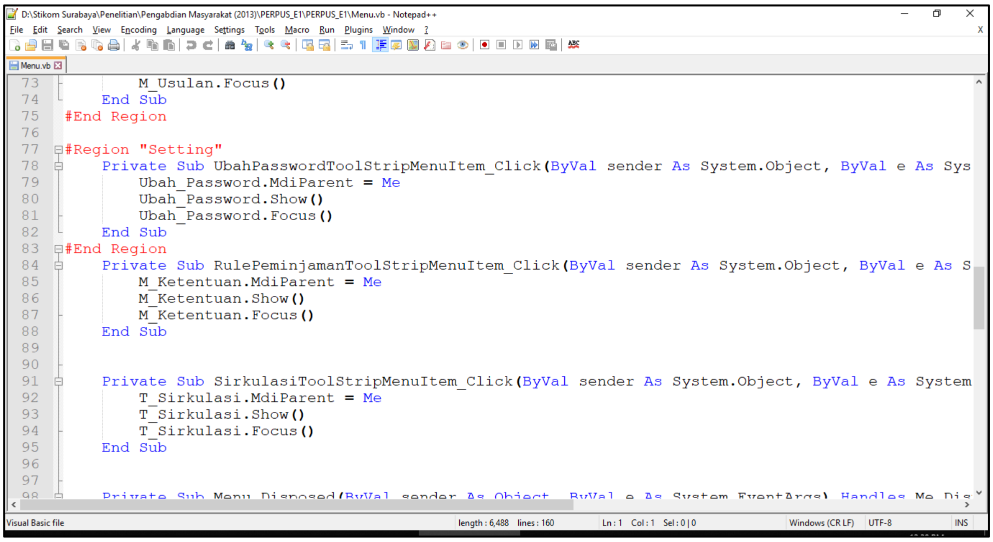
```
Public Class Menu

#Region "Personal"
    Private Sub AnggotaToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.E
        M_Anggota.MdiParent = Me
        M_Anggota.Show()
        M_Anggota.Focus()
    End Sub

    Private Sub LevelAnggotaToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As Sys
        M_Level_Anggota.MdiParent = Me
        M_Level_Anggota.Show()
        M_Level_Anggota.Focus()
    End Sub
#End Region

#Region "Collection"
    Private Sub KoleksiToolStripMenuItem1_Click(ByVal sender As System.Object, ByVal e As System.
        M_Koleksi.MdiParent = Me
        M_Koleksi.Show()
        M_Koleksi.Focus()
    End Sub

    Private Sub PengarangToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System
        M_Pengarang.MdiParent = Me
        M_Pengarang.Show()
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\Menu.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
Menu.vb
Visual Basic file
length : 6,488 lines : 160
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

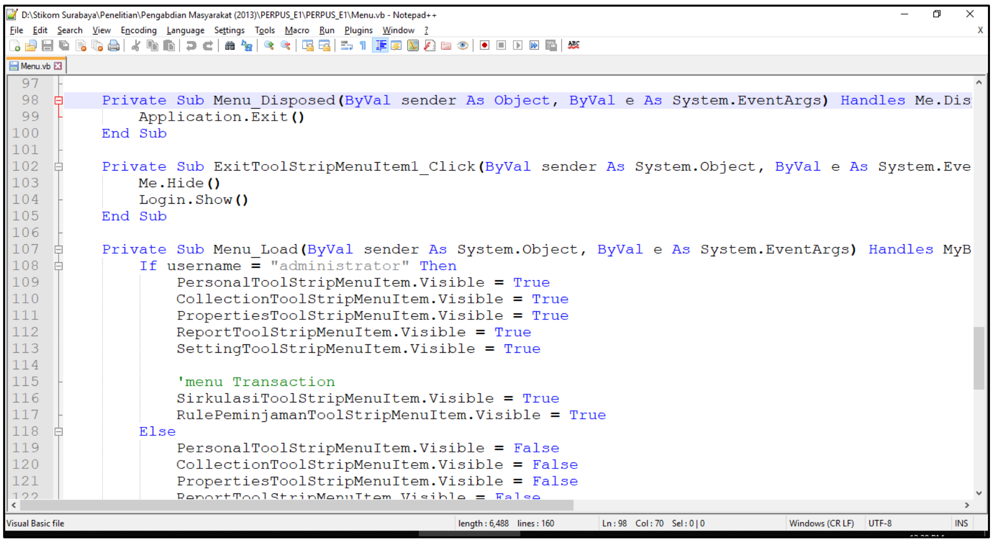
```
        M_Pengarang.MdiParent = Me
        M_Pengarang.Show()
        M_Pengarang.Focus()
    End Sub

    Private Sub PenerbitToolStripMenuItem1_Click(ByVal sender As System.Object, ByVal e As System
        M_Penerbit.MdiParent = Me
        M_Penerbit.Show()
        M_Penerbit.Focus()
    End Sub

    Private Sub JenisToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.Eve
        M_Jenis_Koleksi.MdiParent = Me
        M_Jenis_Koleksi.Show()
        M_Jenis_Koleksi.Focus()
    End Sub

    Private Sub UsulanToolStripMenuItem1_Click(ByVal sender As System.Object, ByVal e As System.E
        V_Usulan.MdiParent = Me
        V_Usulan.Show()
        V_Usulan.Focus()
    End Sub
#End Region

#Region "Properties"
    Private Sub KotaToolStripMenuItem1_Click(ByVal sender As System.Object, ByVal e As System.Eve
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\Menu.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
Menu.vb
Visual Basic file
length : 6,488 lines : 160
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

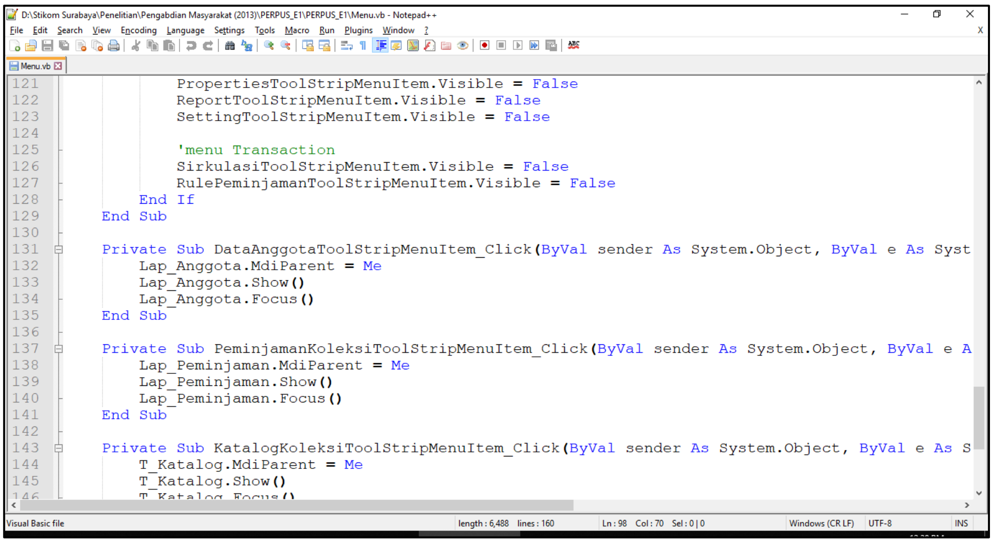
```
#Region "Properties"
    Private Sub KotaToolStripMenuItem1_Click(ByVal sender As System.Object, ByVal e As System.Eve
        M_Kota.MdiParent = Me
        M_Kota.Show()
        M_Kota.Focus()
    End Sub

    Private Sub SubjectToolStripMenuItem1_Click(ByVal sender As System.Object, ByVal e As System.
        M_Subject.MdiParent = Me
        M_Subject.Show()
        M_Subject.Focus()
    End Sub

    Private Sub RakToolStripMenuItem1_Click(ByVal sender As System.Object, ByVal e As System.Even
        M_Rak.MdiParent = Me
        M_Rak.Show()
        M_Rak.Focus()
    End Sub
#End Region

#Region "Transaction"
    Private Sub UsulanBukuToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As Syste
        M_Usulan.MdiParent = Me
        M_Usulan.Show()
        M_Usulan.Focus()
    End Sub
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\Menu.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
Menu.vb
Visual Basic file
length : 6,488 lines : 160
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

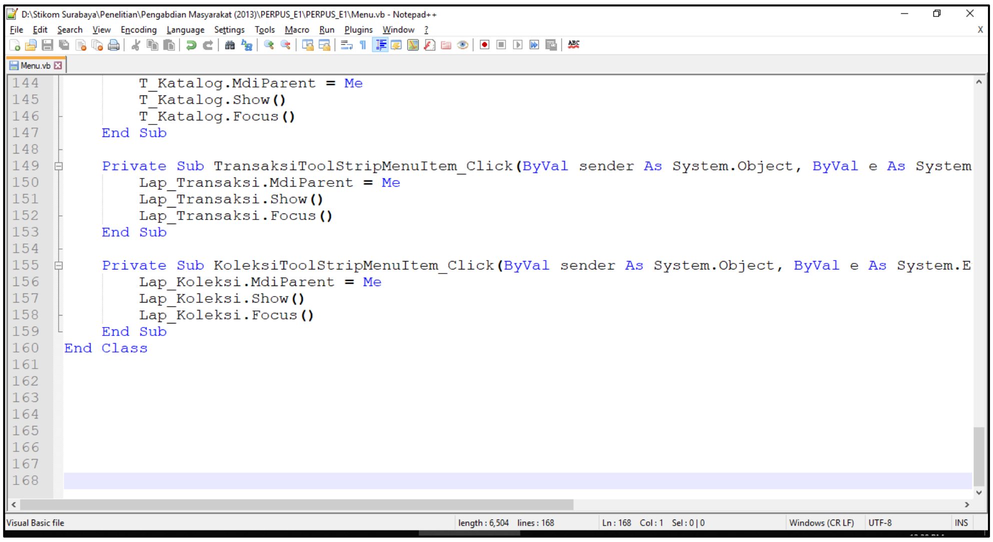
```
        M_Usulan.Focus()
    End Sub
#End Region

#Region "Setting"
    Private Sub UbahPasswordToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As Sys
        Ubah_Password.MdiParent = Me
        Ubah_Password.Show()
        Ubah_Password.Focus()
    End Sub
#End Region
    Private Sub RulePeminjamanToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As S
        M_Ketentuan.MdiParent = Me
        M_Ketentuan.Show()
        M_Ketentuan.Focus()
    End Sub


    Private Sub SirkulasiToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System
        T_Sirkulasi.MdiParent = Me
        T_Sirkulasi.Show()
        T_Sirkulasi.Focus()
    End Sub


    Private Sub Menu_Disposed(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.Dis
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\Menu.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
Menu.vb
Visual Basic file
length : 6,488 lines : 160
Ln : 98 Col : 70 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

```

    Private Sub Menu_Disposed(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.Dis
        Application.Exit()
    End Sub

    Private Sub ExitToolStripMenuItem1_Click(ByVal sender As System.Object, ByVal e As System.Eve
        Me.Hide()
        Login.Show()
    End Sub

    Private Sub Menu_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyB
        If username = "administrator" Then
            PersonalToolStripMenuItem.Visible = True
            CollectionToolStripMenuItem.Visible = True
            PropertiesToolStripMenuItem.Visible = True
            ReportToolStripMenuItem.Visible = True
            SettingToolStripMenuItem.Visible = True

            'menu Transaction
            SirkulasiToolStripMenuItem.Visible = True
            RulePeminjamanToolStripMenuItem.Visible = True
        Else
            PersonalToolStripMenuItem.Visible = False
            CollectionToolStripMenuItem.Visible = False
            PropertiesToolStripMenuItem.Visible = False
            ReportToolStripMenuItem.Visible = False
```

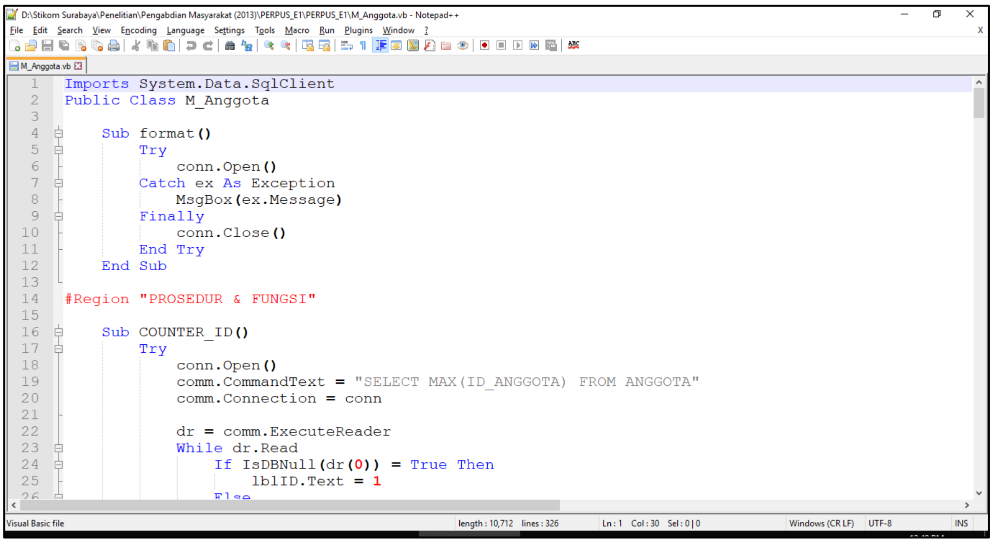

D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\Menu.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
Menu.vb
Visual Basic file
length : 6,488 lines : 160
Ln : 98 Col : 70 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

```
            PropertiesToolStripMenuItem.Visible = False
            ReportToolStripMenuItem.Visible = False
            SettingToolStripMenuItem.Visible = False

            'menu Transaction
            SirkulasiToolStripMenuItem.Visible = False
            RulePeminjamanToolStripMenuItem.Visible = False
        End If
    End Sub

    Private Sub DataAnggotaToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As Syst
        Lap_Anggota.MdiParent = Me
        Lap_Anggota.Show()
        Lap_Anggota.Focus()
    End Sub

    Private Sub PeminjamanKoleksiToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e A
        Lap_Peminjaman.MdiParent = Me
        Lap_Peminjaman.Show()
        Lap_Peminjaman.Focus()
    End Sub

    Private Sub KatalogKoleksiToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As S
        T_Katalog.MdiParent = Me
        T_Katalog.Show()
```

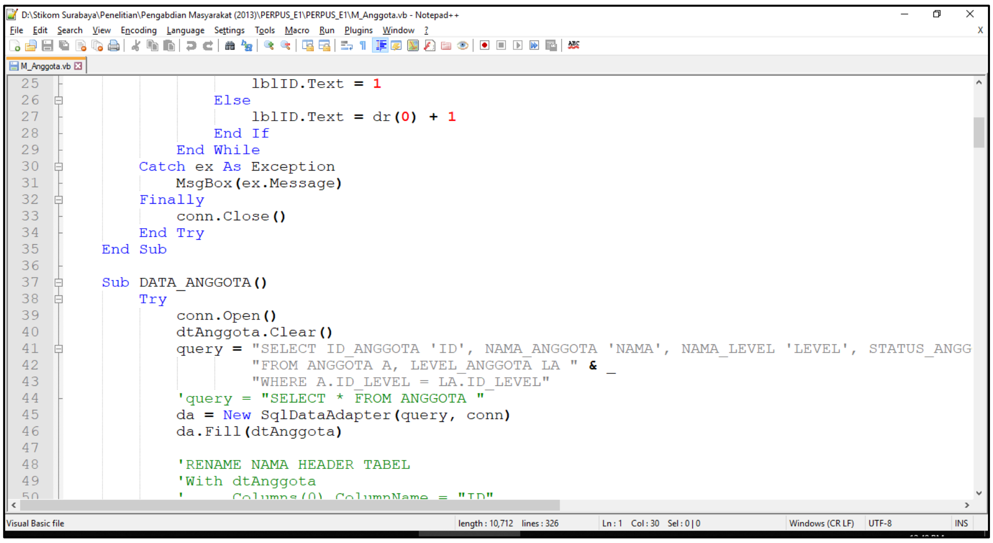

D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\Menu.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
Menu.vb
Visual Basic file
length : 6,504 lines : 168
Ln : 168 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

```
        T_Katalog.MdiParent = Me
        T_Katalog.Show()
        T_Katalog.Focus()
    End Sub

    Private Sub TransaksiToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System
        Lap_Transaksi.MdiParent = Me
        Lap_Transaksi.Show()
        Lap_Transaksi.Focus()
    End Sub

    Private Sub KoleksiToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.E
        Lap_Koleksi.MdiParent = Me
        Lap_Koleksi.Show()
        Lap_Koleksi.Focus()
    End Sub
End Class
```

3. Form Master Anggota

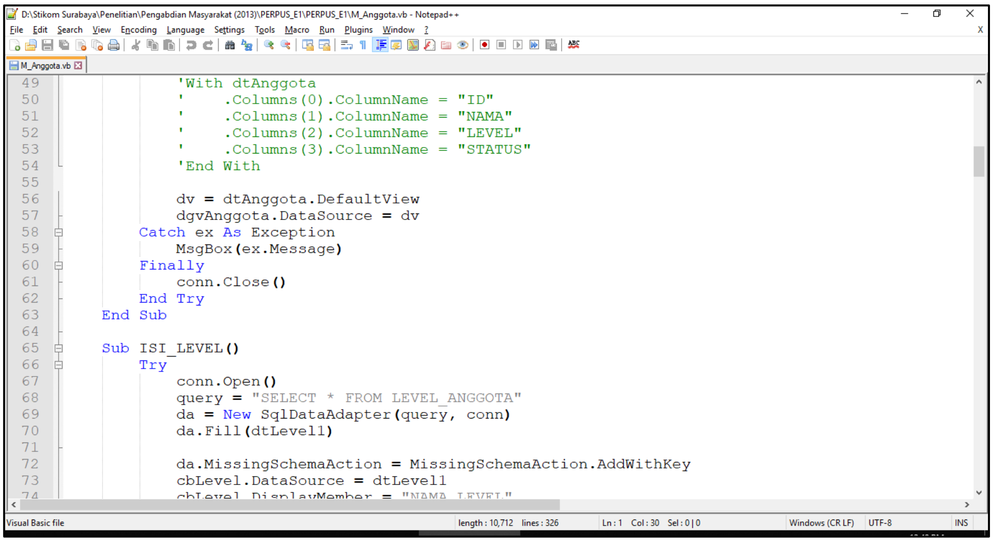

D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Anggota.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Anggota.vb
Visual Basic file
length : 10,712 lines : 326
Ln : 1 Col : 30 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

```
Imports System.Data.SqlClient
Public Class M_Anggota

    Sub format()
        Try
            conn.Open()
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub

#Region "PROSEDUR & FUNGSI"

    Sub COUNTER_ID()
        Try
            conn.Open()
            comm.CommandText = "SELECT MAX(ID_ANGGOTA) FROM ANGGOTA"
            comm.Connection = conn

            dr = comm.ExecuteReader
            While dr.Read
                If IsDBNull(dr(0)) = True Then
                    lblID.Text = 1
```



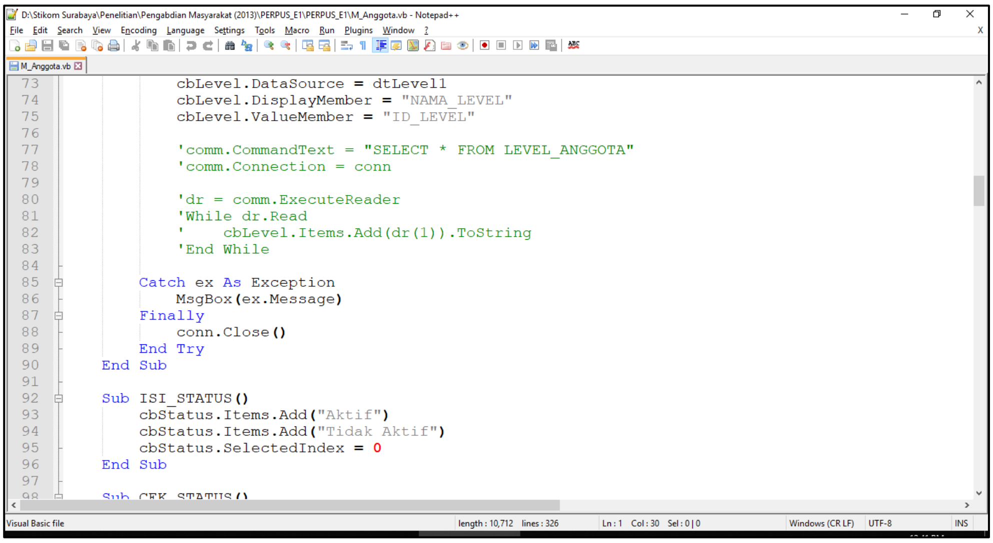
D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Anggota.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Anggota.vb
Visual Basic file
length : 10,712 lines : 326
Ln : 1 Col : 30 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

```
                    lblID.Text = 1
                Else
                    lblID.Text = dr(0) + 1
                End If
            End While
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub

    Sub DATA_ANGGOTA()
        Try
            conn.Open()
            dtAnggota.Clear()
            query = "SELECT ID_ANGGOTA 'ID', NAMA_ANGGOTA 'NAMA', NAMA_LEVEL 'LEVEL', STATUS_ANGG
                    "FROM ANGGOTA A, LEVEL_ANGGOTA LA " & _
                    "WHERE A.ID_LEVEL = LA.ID_LEVEL"
            'query = "SELECT * FROM ANGGOTA "
            da = New SqlDataAdapter(query, conn)
            da.Fill(dtAnggota)

            'RENAME NAMA HEADER TABEL
            'With dtAnggota
            '     .Columns(0).ColumnName = "ID"
```



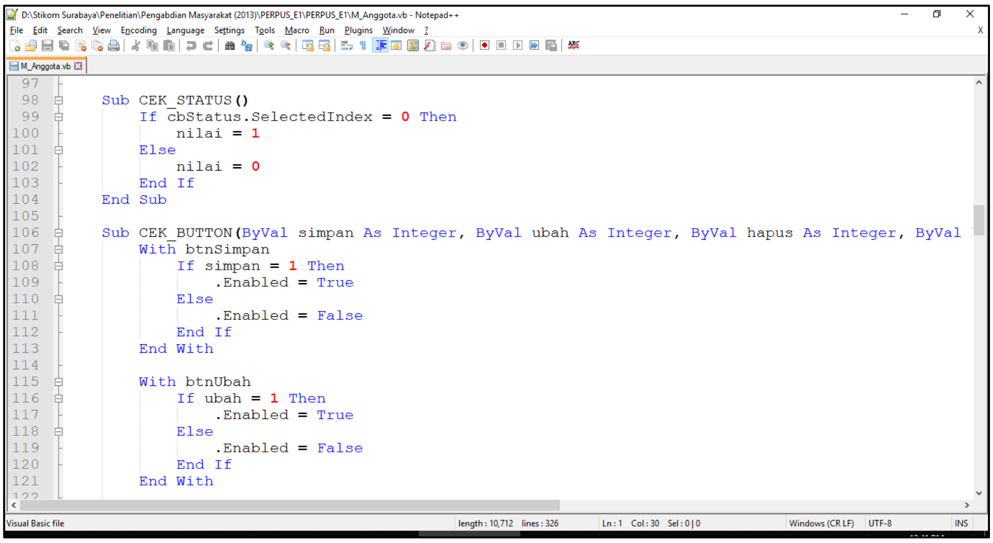
D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Anggota.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Anggota.vb
Visual Basic file
length : 10,712 lines : 326
Ln : 1 Col : 30 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

```
            'With dtAnggota
            '     .Columns(0).ColumnName = "ID"
            '     .Columns(1).ColumnName = "NAMA"
            '     .Columns(2).ColumnName = "LEVEL"
            '     .Columns(3).ColumnName = "STATUS"
            'End With

            dv = dtAnggota.DefaultView
            dgvAnggota.DataSource = dv
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub

    Sub ISI_LEVEL()
        Try
            conn.Open()
            query = "SELECT * FROM LEVEL_ANGGOTA"
            da = New SqlDataAdapter(query, conn)
            da.Fill(dtLevell)

            da.MissingSchemaAction = MissingSchemaAction.AddWithKey
            cbLevel.DataSource = dtLevell
            cbLevel.DisplayMember = "NAMA_LEVEL"
```

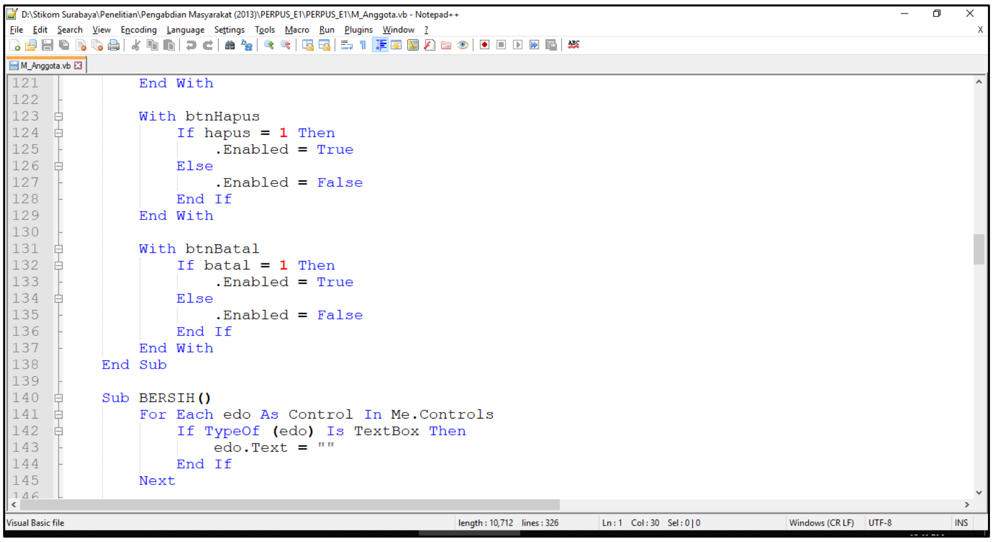


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Anggota.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Anggota.vb
Visual Basic file
length : 10,712 lines : 326
Ln : 1 Col : 30 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

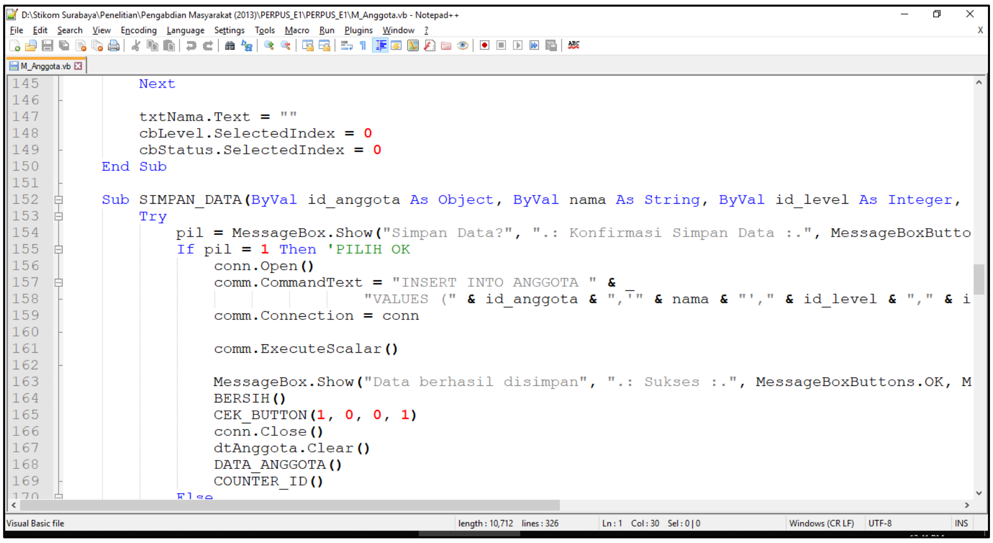
```
            cbLevel.DataSource = dtLevell
            cbLevel.DisplayMember = "NAMA_LEVEL"
            cbLevel.ValueMember = "ID_LEVEL"

            'comm.CommandText = "SELECT * FROM LEVEL_ANGGOTA"
            'comm.Connection = conn

            'dr = comm.ExecuteReader
            'While dr.Read
            '     cbLevel.Items.Add(dr(1)).ToString
            'End While

        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub

    Sub ISI_STATUS()
        cbStatus.Items.Add("Aktif")
        cbStatus.Items.Add("Tidak Aktif")
        cbStatus.SelectedIndex = 0
    End Sub

    Sub CEK_STATUS()
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Anggota.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Anggota.vb
Visual Basic file
length : 10,712 lines : 326
Ln : 1 Col : 30 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

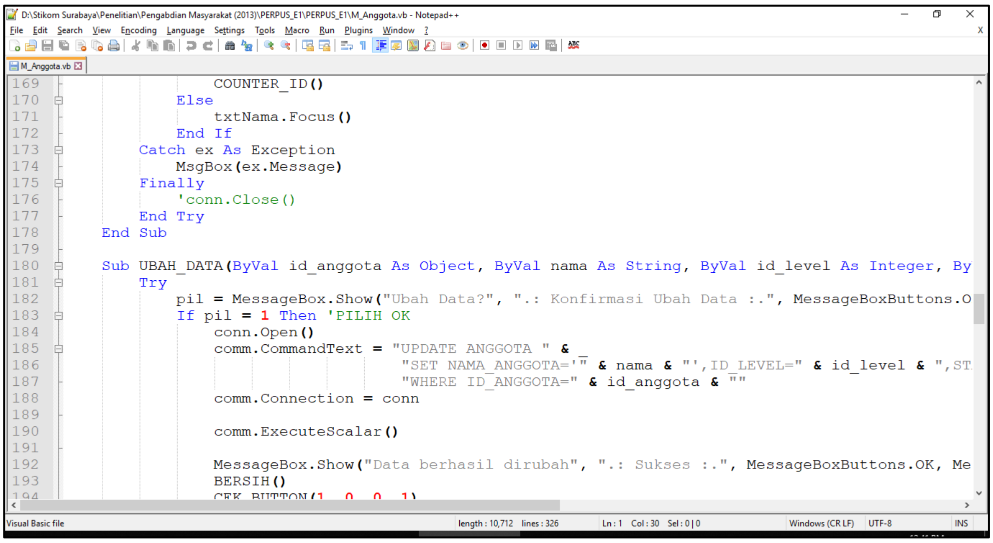
```vb

    Sub CEK_STATUS()
        If cbStatus.SelectedIndex = 0 Then
            nilai = 1
        Else
            nilai = 0
        End If
    End Sub

    Sub CEK_BUTTON(ByVal simpan As Integer, ByVal ubah As Integer, ByVal hapus As Integer, ByVal
        With btnSimpan
            If simpan = 1 Then
                .Enabled = True
            Else
                .Enabled = False
            End If
        End With

        With btnUbah
            If ubah = 1 Then
                .Enabled = True
            Else
                .Enabled = False
            End If
        End With
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Anggota.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Anggota.vb
Visual Basic file
length : 10,712 lines : 326
Ln : 1 Col : 30 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

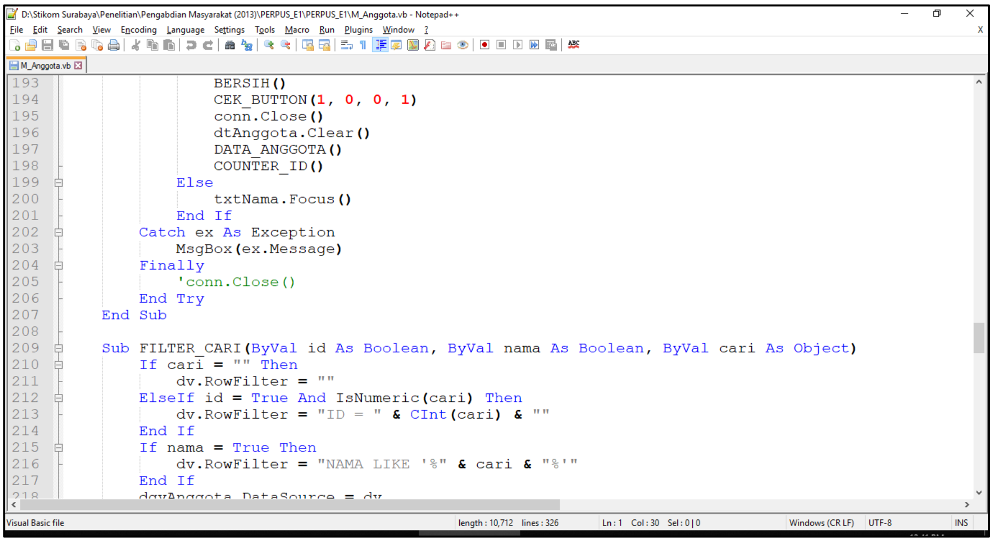
```vb
        End With

        With btnHapus
            If hapus = 1 Then
                .Enabled = True
            Else
                .Enabled = False
            End If
        End With

        With btnBatal
            If batal = 1 Then
                .Enabled = True
            Else
                .Enabled = False
            End If
        End With
    End Sub

    Sub BERSIH()
        For Each edo As Control In Me.Controls
            If TypeOf (edo) Is TextBox Then
                edo.Text = ""
            End If
        Next
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Anggota.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Anggota.vb
Visual Basic file
length : 10,712 lines : 326
Ln : 1 Col : 30 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

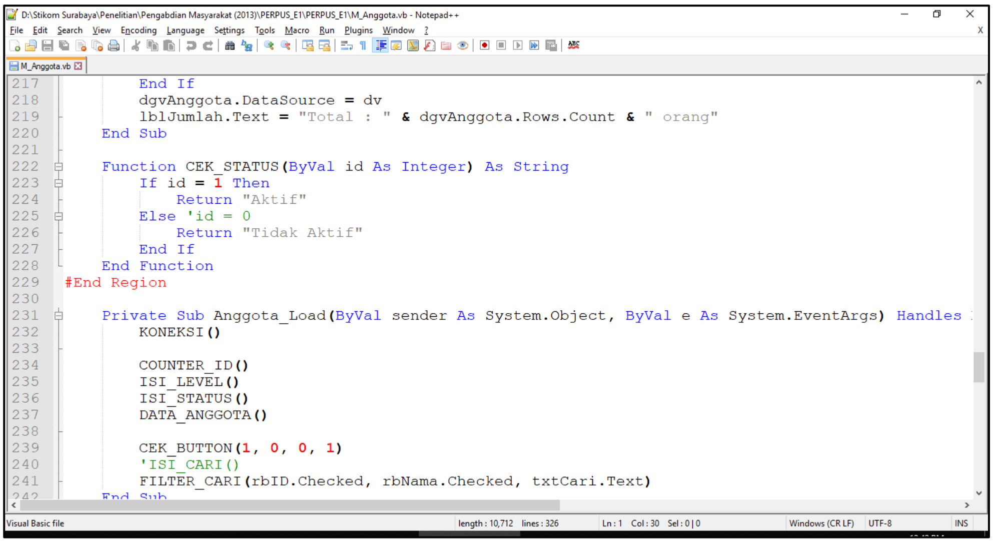
```vb
        Next

        txtNama.Text = ""
        cbLevel.SelectedIndex = 0
        cbStatus.SelectedIndex = 0
    End Sub

    Sub SIMPAN_DATA(ByVal id_anggota As Object, ByVal nama As String, ByVal id_level As Integer,
        Try
            pil = MessageBox.Show("Simpan Data?", ".: Konfirmasi Simpan Data :.", MessageBoxButto
            If pil = 1 Then 'PILIH OK
                conn.Open()
                comm.CommandText = "INSERT INTO ANGGOTA " & _
                                "VALUES (" & id_anggota & ",'" & nama & "'," & id_level & "," & i
                comm.Connection = conn

                comm.ExecuteScalar()

                MessageBox.Show("Data berhasil disimpan", ".: Sukses :.", MessageBoxButtons.OK, M
                BERSIH()
                CEK_BUTTON(1, 0, 0, 1)
                conn.Close()
                dtAnggota.Clear()
                DATA_ANGGOTA()
                COUNTER_ID()
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Anggota.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Anggota.vb
Visual Basic file
length : 10,712 lines : 326
Ln : 1 Col : 30 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

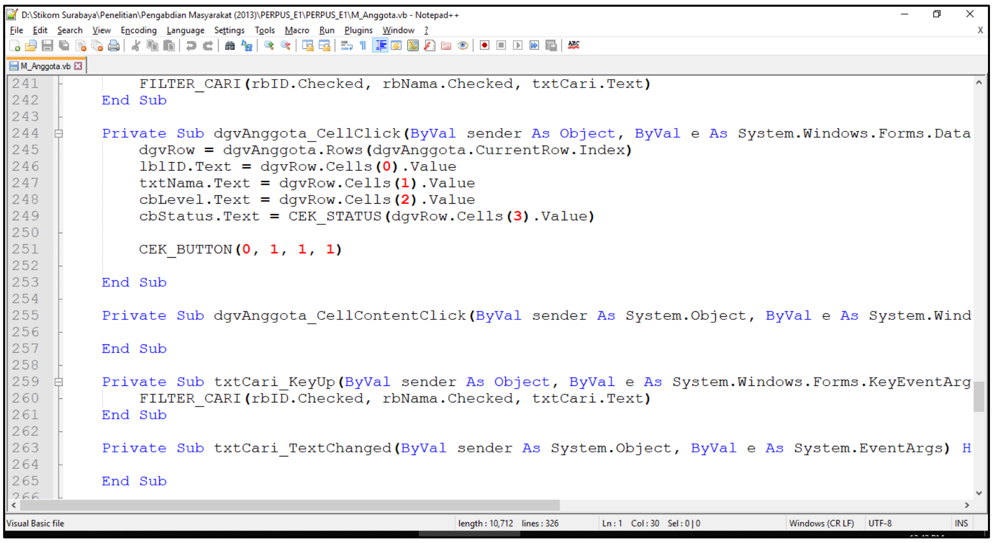
```
                COUNTER_ID()
            Else
                txtNama.Focus()
            End If
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            'conn.Close()
        End Try
    End Sub

    Sub UBAH_DATA(ByVal id_anggota As Object, ByVal nama As String, ByVal id_level As Integer, By
        Try
            pil = MessageBox.Show("Ubah Data?", ".: Konfirmasi Ubah Data :.", MessageBoxButtons.O
            If pil = 1 Then 'PILIH OK
                conn.Open()
                comm.CommandText = "UPDATE ANGGOTA " & _
                                    "SET NAMA_ANGGOTA='" & nama & "',ID_LEVEL=" & id_level & ",ST
                                    "WHERE ID_ANGGOTA=" & id_anggota & ""
                comm.Connection = conn

                comm.ExecuteScalar()

                MessageBox.Show("Data berhasil dirubah", ".: Sukses :.", MessageBoxButtons.OK, Me
                BERSIH()
                CEK_BUTTON(1, 0, 0, 1)
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Anggota.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Anggota.vb
Visual Basic file
length : 10,712 lines : 326
Ln : 1 Col : 30 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

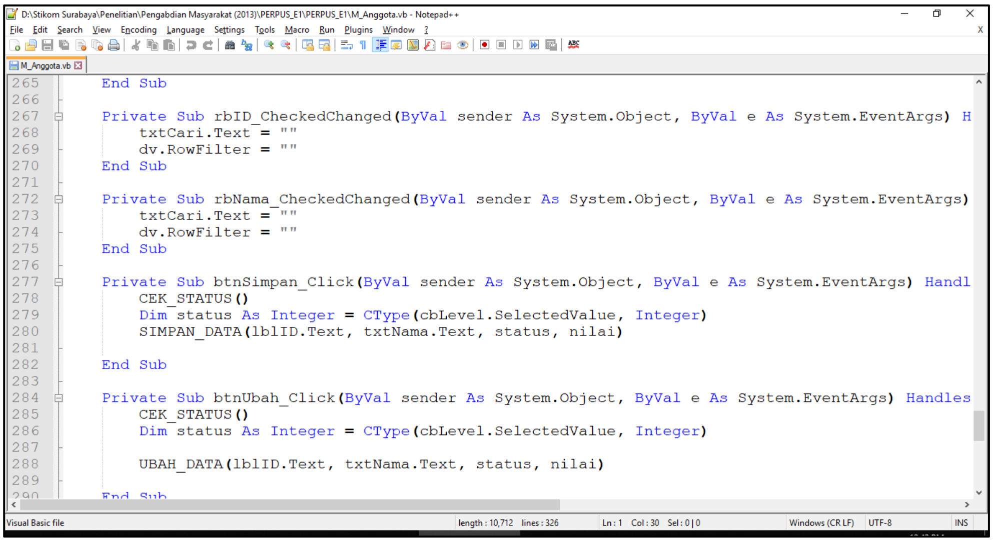
```
                BERSIH()
                CEK_BUTTON(1, 0, 0, 1)
                conn.Close()
                dtAnggota.Clear()
                DATA_ANGGOTA()
                COUNTER_ID()
            Else
                txtNama.Focus()
            End If
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            'conn.Close()
        End Try
    End Sub

    Sub FILTER_CARI(ByVal id As Boolean, ByVal nama As Boolean, ByVal cari As Object)
        If cari = "" Then
            dv.RowFilter = ""
        ElseIf id = True And IsNumeric(cari) Then
            dv.RowFilter = "ID = " & CInt(cari) & ""
        End If
        If nama = True Then
            dv.RowFilter = "NAMA LIKE '%" & cari & "%'"
        End If
        dgvAnggota.DataSource = dv
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Anggota.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Anggota.vb
Visual Basic file
length : 10,712 lines : 326
Ln : 1 Col : 30 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

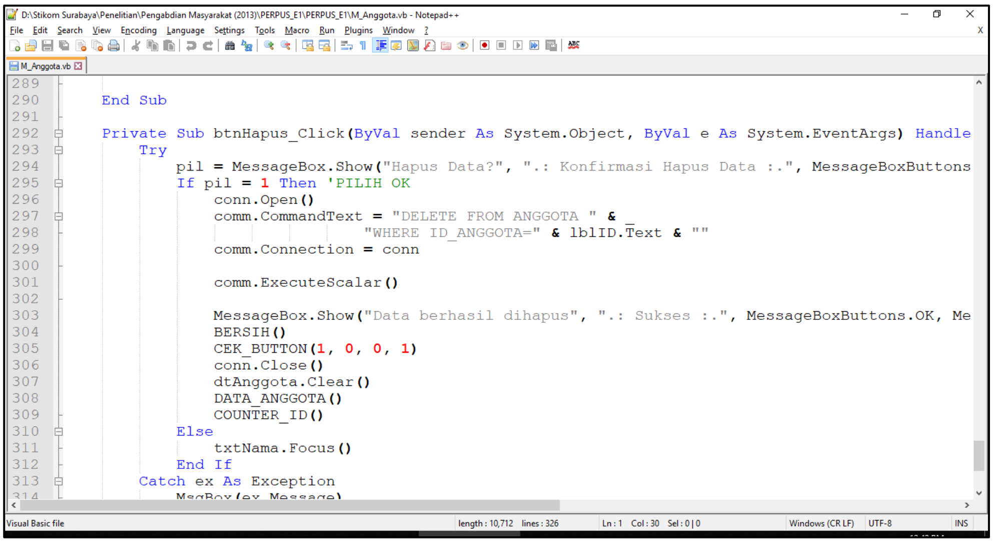
```
        End If
        dgvAnggota.DataSource = dv
        lblJumlah.Text = "Total : " & dgvAnggota.Rows.Count & " orang"
    End Sub

    Function CEK_STATUS(ByVal id As Integer) As String
        If id = 1 Then
            Return "Aktif"
        Else 'id = 0
            Return "Tidak Aktif"
        End If
    End Function
#End Region

    Private Sub Anggota_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
        KONEKSI()

        COUNTER_ID()
        ISI_LEVEL()
        ISI_STATUS()
        DATA_ANGGOTA()

        CEK_BUTTON(1, 0, 0, 1)
        'ISI_CARI()
        FILTER_CARI(rbID.Checked, rbNama.Checked, txtCari.Text)
    End Sub
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Anggota.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Anggota.vb
Visual Basic file
length : 10,712 lines : 326
Ln : 1 Col : 30 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

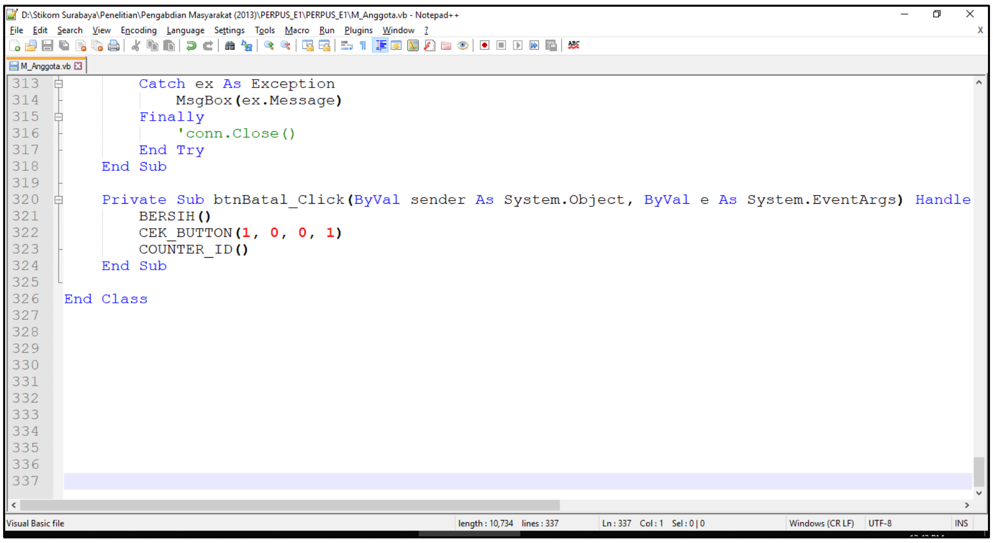
```
        FILTER_CARI(rbID.Checked, rbNama.Checked, txtCari.Text)
    End Sub

    Private Sub dgvAnggota_CellClick(ByVal sender As Object, ByVal e As System.Windows.Forms.Data
        dgvRow = dgvAnggota.Rows(dgvAnggota.CurrentRow.Index)
        lblID.Text = dgvRow.Cells(0).Value
        txtNama.Text = dgvRow.Cells(1).Value
        cbLevel.Text = dgvRow.Cells(2).Value
        cbStatus.Text = CEK_STATUS(dgvRow.Cells(3).Value)

        CEK_BUTTON(0, 1, 1, 1)

    End Sub

    Private Sub dgvAnggota_CellContentClick(ByVal sender As System.Object, ByVal e As System.Wind

    End Sub

    Private Sub txtCari_KeyUp(ByVal sender As Object, ByVal e As System.Windows.Forms.KeyEventArg
        FILTER_CARI(rbID.Checked, rbNama.Checked, txtCari.Text)
    End Sub

    Private Sub txtCari_TextChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) H

    End Sub
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Anggota.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Anggota.vb
Visual Basic file
length : 10,712 lines : 326
Ln : 1 Col : 30 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

```
    End Sub

    Private Sub rbID_CheckedChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) H
        txtCari.Text = ""
        dv.RowFilter = ""
    End Sub

    Private Sub rbNama_CheckedChanged(ByVal sender As System.Object, ByVal e As System.EventArgs)
        txtCari.Text = ""
        dv.RowFilter = ""
    End Sub

    Private Sub btnSimpan_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handl
        CEK_STATUS()
        Dim status As Integer = CType(cbLevel.SelectedValue, Integer)
        SIMPAN_DATA(lblID.Text, txtNama.Text, status, nilai)

    End Sub

    Private Sub btnUbah_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
        CEK_STATUS()
        Dim status As Integer = CType(cbLevel.SelectedValue, Integer)

        UBAH_DATA(lblID.Text, txtNama.Text, status, nilai)

    End Sub
```

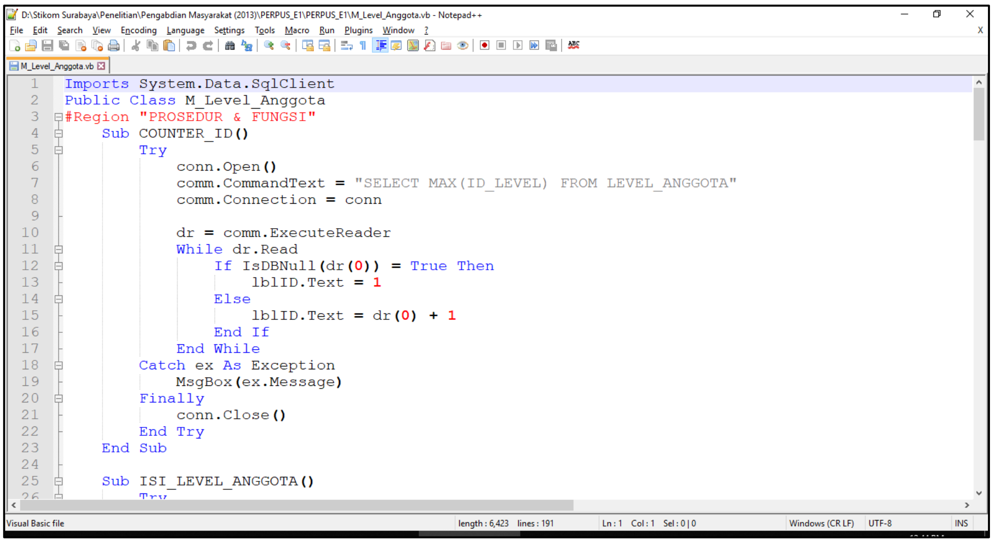

D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Anggota.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Anggota.vb
Visual Basic file
length : 10,712 lines : 326
Ln : 1 Col : 30 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

```

    End Sub

    Private Sub btnHapus_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
        Try
            pil = MessageBox.Show("Hapus Data?", ".: Konfirmasi Hapus Data :.", MessageBoxButtons
            If pil = 1 Then 'PILIH OK
                conn.Open()
                comm.CommandText = "DELETE FROM ANGGOTA " & _
                                "WHERE ID_ANGGOTA=" & lblID.Text & ""
                comm.Connection = conn

                comm.ExecuteScalar()

                MessageBox.Show("Data berhasil dihapus", ".: Sukses :.", MessageBoxButtons.OK, Me
                BERSIH()
                CEK_BUTTON(1, 0, 0, 1)
                conn.Close()
                dtAnggota.Clear()
                DATA_ANGGOTA()
                COUNTER_ID()
            Else
                txtNama.Focus()
            End If
        Catch ex As Exception
            MsgBox(ex.Message)
```

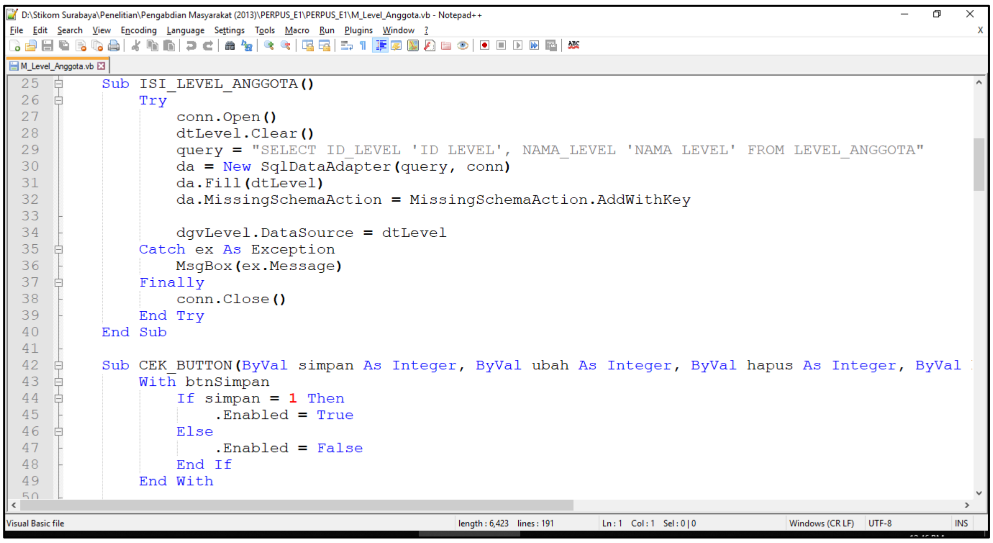

D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Anggota.vb - Notepad++
M_Anggota.vb
Visual Basic file
length : 10,734 lines : 337
Ln : 337 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

```
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            'conn.Close()
        End Try
    End Sub

    Private Sub btnBatal_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
        BERSIH()
        CEK_BUTTON(1, 0, 0, 1)
        COUNTER_ID()
    End Sub

End Class
```

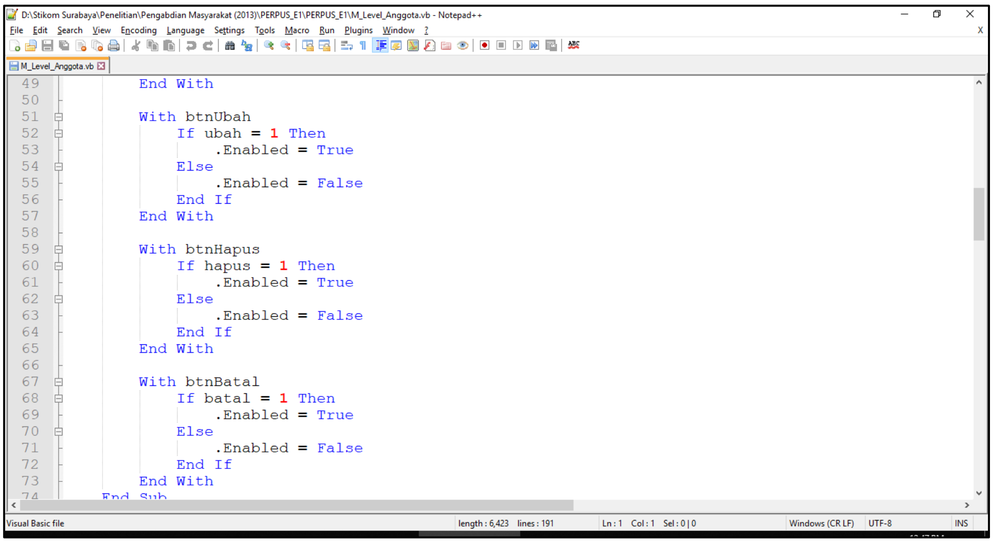
4. Form Level Anggota


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Level_Anggota.vb - Notepad++
M_Level_Anggota.vb
Visual Basic file
length : 6,423 lines : 191
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

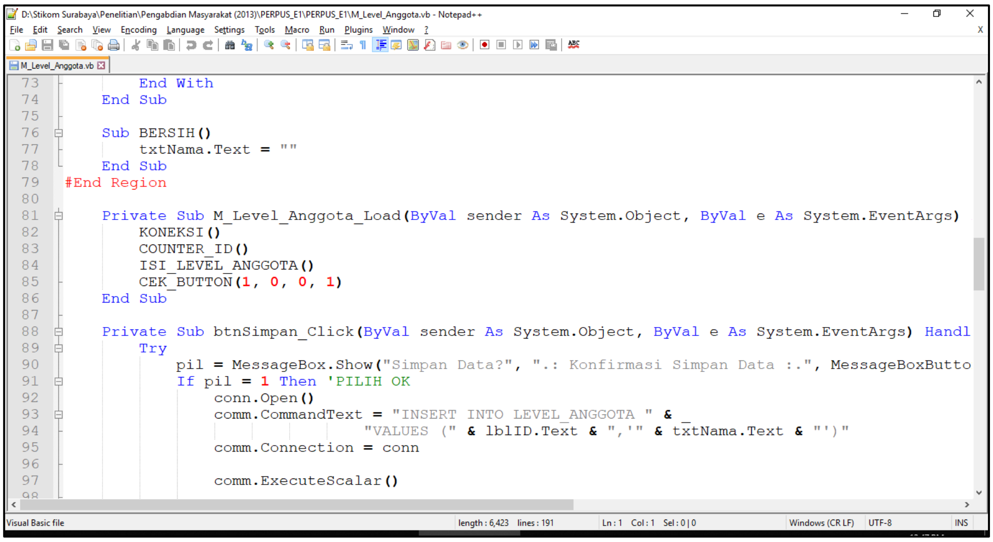
```
Imports System.Data.SqlClient
Public Class M_Level_Anggota
#Region "PROSEDUR & FUNGSI"
    Sub COUNTER_ID()
        Try
            conn.Open()
            comm.CommandText = "SELECT MAX(ID_LEVEL) FROM LEVEL_ANGGOTA"
            comm.Connection = conn

            dr = comm.ExecuteReader
            While dr.Read
                If IsDBNull(dr(0)) = True Then
                    lblID.Text = 1
                Else
                    lblID.Text = dr(0) + 1
                End If
            End While
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub

    Sub ISI_LEVEL_ANGGOTA()
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Level_Anggota.vb - Notepad++
M_Level_Anggota.vb
Visual Basic file
length : 6,423 lines : 191
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

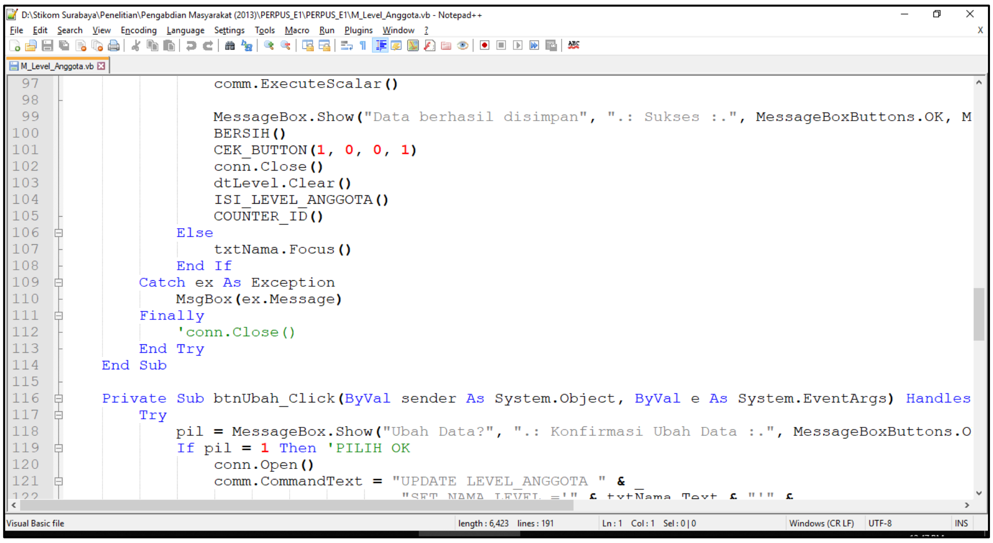
```
    Sub ISI_LEVEL_ANGGOTA()
        Try
            conn.Open()
            dtLevel.Clear()
            query = "SELECT ID_LEVEL 'ID LEVEL', NAMA_LEVEL 'NAMA LEVEL' FROM LEVEL_ANGGOTA"
            da = New SqlDataAdapter(query, conn)
            da.Fill(dtLevel)
            da.MissingSchemaAction = MissingSchemaAction.AddWithKey

            dgvLevel.DataSource = dtLevel
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub

    Sub CEK_BUTTON(ByVal simpan As Integer, ByVal ubah As Integer, ByVal hapus As Integer, ByVal
        With btnSimpan
            If simpan = 1 Then
                .Enabled = True
            Else
                .Enabled = False
            End If
        End With
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Level_Anggota.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Level_Anggota.vb
Visual Basic file
length : 6,423 lines : 191
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

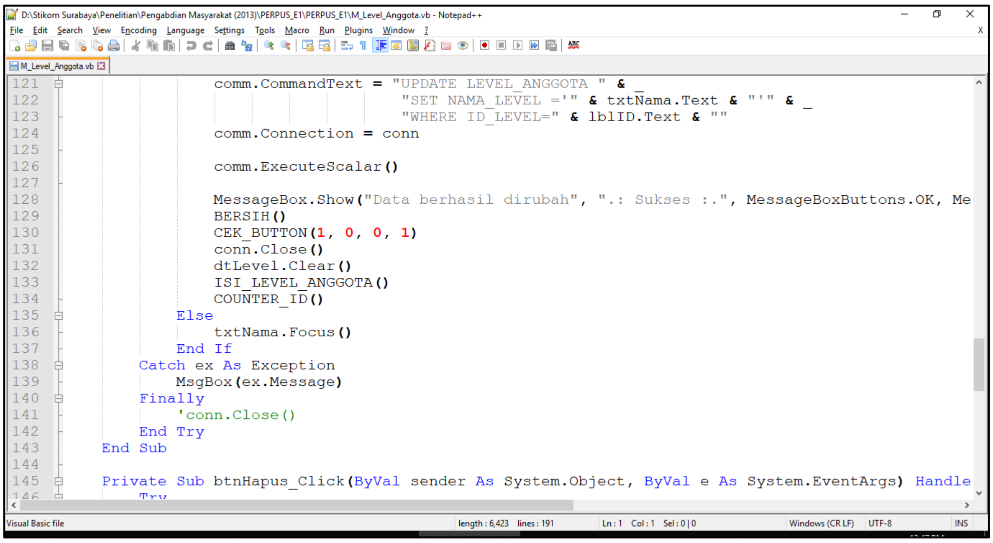
```vb
        End With

        With btnUbah
            If ubah = 1 Then
                .Enabled = True
            Else
                .Enabled = False
            End If
        End With

        With btnHapus
            If hapus = 1 Then
                .Enabled = True
            Else
                .Enabled = False
            End If
        End With

        With btnBatal
            If batal = 1 Then
                .Enabled = True
            Else
                .Enabled = False
            End If
        End With
    End Sub
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Level_Anggota.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Level_Anggota.vb
Visual Basic file
length : 6,423 lines : 191
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

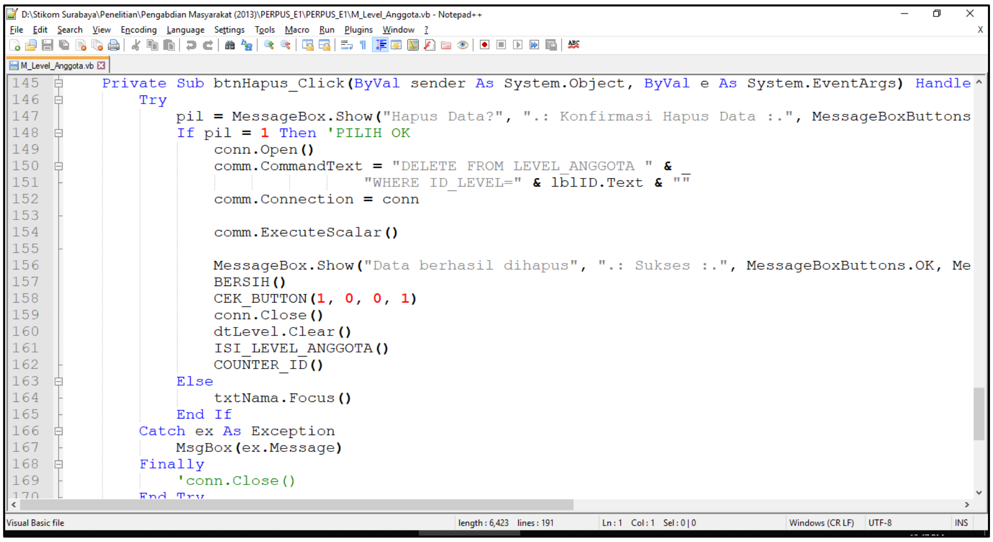
```vb
        End With
    End Sub

    Sub BERSIH()
        txtNama.Text = ""
    End Sub
#End Region

    Private Sub M_Level_Anggota_Load(ByVal sender As System.Object, ByVal e As System.EventArgs)
        KONEKSI()
        COUNTER_ID()
        ISI_LEVEL_ANGGOTA()
        CEK_BUTTON(1, 0, 0, 1)
    End Sub

    Private Sub btnSimpan_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handl
        Try
            pil = MessageBox.Show("Simpan Data?", ".: Konfirmasi Simpan Data :.", MessageBoxButto
            If pil = 1 Then 'PILIH OK
                conn.Open()
                comm.CommandText = "INSERT INTO LEVEL_ANGGOTA " & _
                                    "VALUES (" & lblID.Text & ",'" & txtNama.Text & "')"
                comm.Connection = conn

                comm.ExecuteScalar()
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Level_Anggota.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Level_Anggota.vb
Visual Basic file
length : 6,423 lines : 191
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

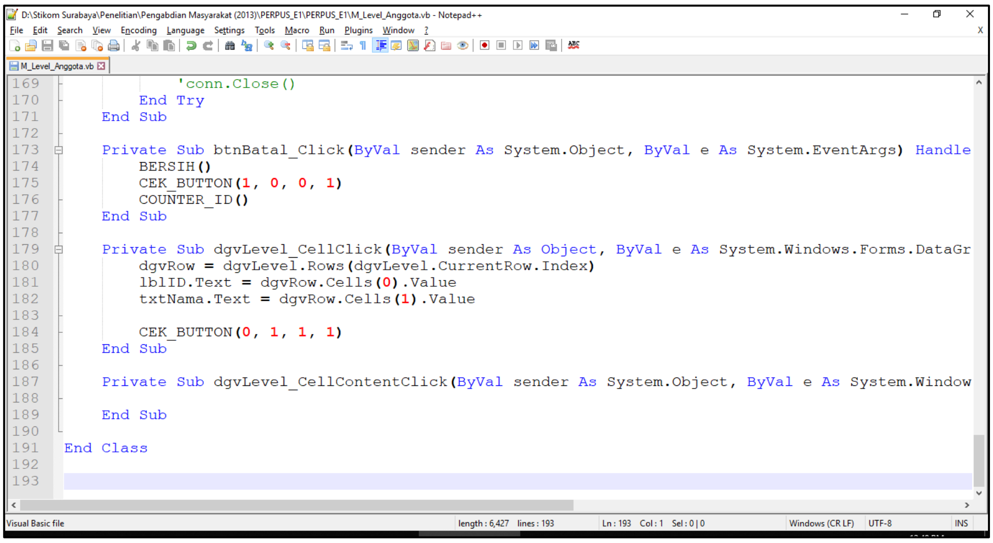
```vb
                comm.ExecuteScalar()

                MessageBox.Show("Data berhasil disimpan", ".: Sukses :.", MessageBoxButtons.OK, M
                BERSIH()
                CEK_BUTTON(1, 0, 0, 1)
                conn.Close()
                dtLevel.Clear()
                ISI_LEVEL_ANGGOTA()
                COUNTER_ID()
            Else
                txtNama.Focus()
            End If
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            'conn.Close()
        End Try
    End Sub

    Private Sub btnUbah_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
        Try
            pil = MessageBox.Show("Ubah Data?", ".: Konfirmasi Ubah Data :.", MessageBoxButtons.O
            If pil = 1 Then 'PILIH OK
                conn.Open()
                comm.CommandText = "UPDATE LEVEL_ANGGOTA " & _
                                    "SET NAMA_LEVEL ='" & txtNama.Text & "'" &
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Level_Anggota.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Level_Anggota.vb
Visual Basic file
length : 6,423 lines : 191
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

```
                comm.CommandText = "UPDATE LEVEL_ANGGOTA " & _
                                   "SET NAMA_LEVEL ='" & txtNama.Text & "'" & _
                                   "WHERE ID_LEVEL=" & lblID.Text & ""
                comm.Connection = conn

                comm.ExecuteScalar()

                MessageBox.Show("Data berhasil dirubah", ".: Sukses :.", MessageBoxButtons.OK, Me
                BERSIH()
                CEK_BUTTON(1, 0, 0, 1)
                conn.Close()
                dtLevel.Clear()
                ISI_LEVEL_ANGGOTA()
                COUNTER_ID()
            Else
                txtNama.Focus()
            End If
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            'conn.Close()
        End Try
    End Sub

    Private Sub btnHapus_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
        Try
```

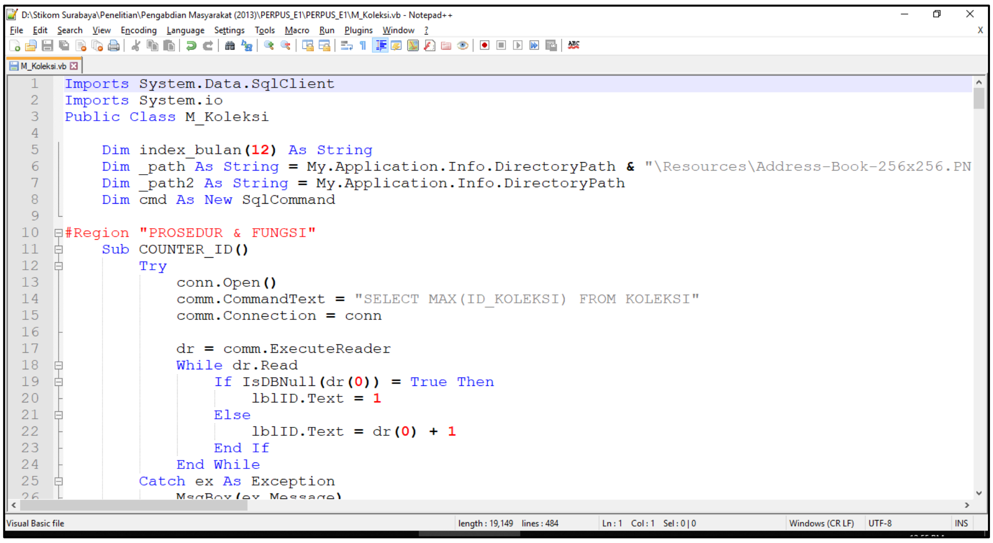

D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Level_Anggota.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Level_Anggota.vb
Visual Basic file
length : 6,423 lines : 191
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

```
    Private Sub btnHapus_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
        Try
            pil = MessageBox.Show("Hapus Data?", ".: Konfirmasi Hapus Data :.", MessageBoxButtons
            If pil = 1 Then 'PILIH OK
                conn.Open()
                comm.CommandText = "DELETE FROM LEVEL_ANGGOTA " & _
                                "WHERE ID_LEVEL=" & lblID.Text & ""
                comm.Connection = conn

                comm.ExecuteScalar()

                MessageBox.Show("Data berhasil dihapus", ".: Sukses :.", MessageBoxButtons.OK, Me
                BERSIH()
                CEK_BUTTON(1, 0, 0, 1)
                conn.Close()
                dtLevel.Clear()
                ISI_LEVEL_ANGGOTA()
                COUNTER_ID()
            Else
                txtNama.Focus()
            End If
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            'conn.Close()
        End Try
```

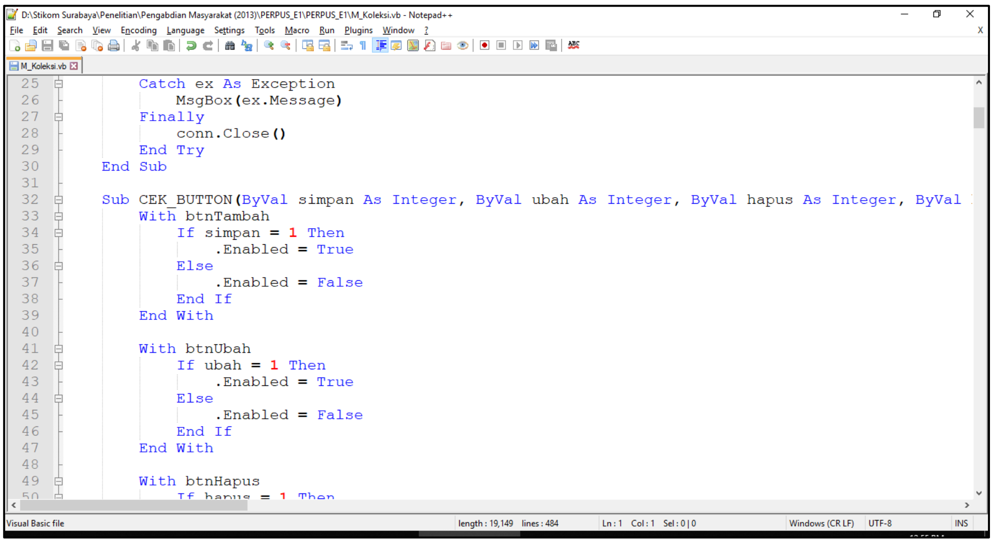

D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Level_Anggota.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Level_Anggota.vb
Visual Basic file
length : 6,427 lines : 193
Ln : 193 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

```
            'conn.Close()
        End Try
    End Sub

    Private Sub btnBatal_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
        BERSIH()
        CEK_BUTTON(1, 0, 0, 1)
        COUNTER_ID()
    End Sub

    Private Sub dgvLevel_CellClick(ByVal sender As Object, ByVal e As System.Windows.Forms.DataGr
        dgvRow = dgvLevel.Rows(dgvLevel.CurrentRow.Index)
        lblID.Text = dgvRow.Cells(0).Value
        txtNama.Text = dgvRow.Cells(1).Value

        CEK_BUTTON(0, 1, 1, 1)
    End Sub

    Private Sub dgvLevel_CellContentClick(ByVal sender As System.Object, ByVal e As System.Window

    End Sub

End Class

```

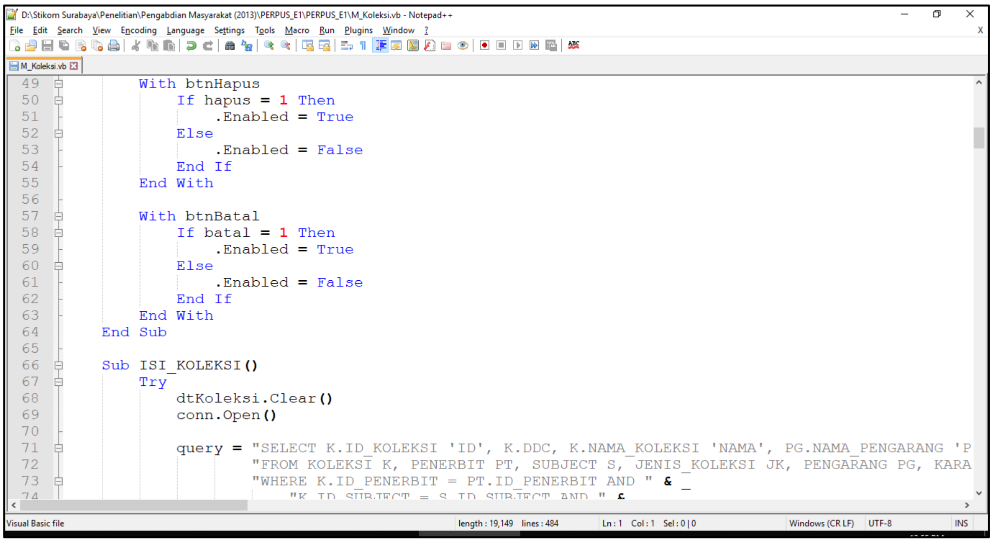
5. Form Master Koleksi


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Koleksi.vb
Visual Basic file
length : 19,149 lines : 484
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

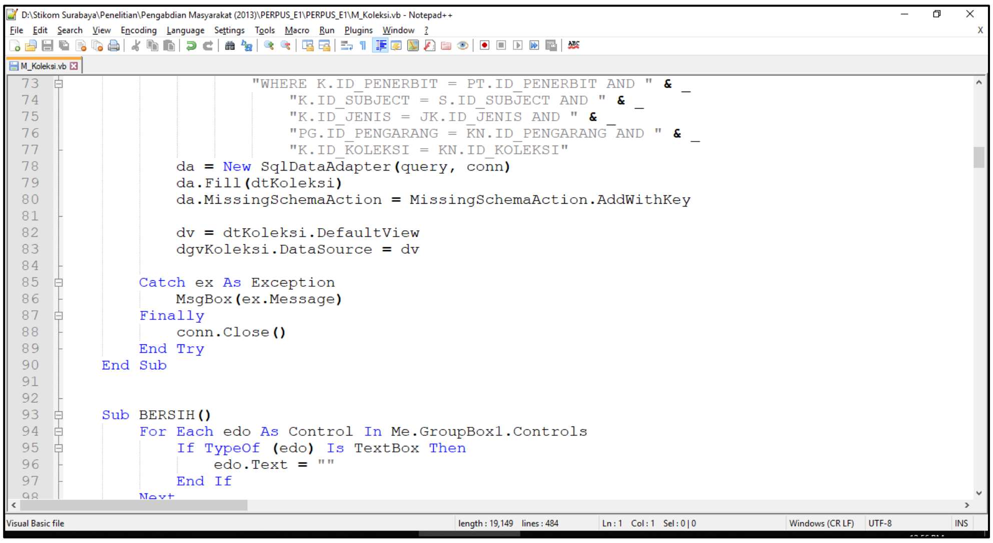
```
Imports System.Data.SqlClient
Imports System.io
Public Class M_Koleksi

    Dim index_bulan(12) As String
    Dim _path As String = My.Application.Info.DirectoryPath & "\Resources\Address-Book-256x256.PN
    Dim _path2 As String = My.Application.Info.DirectoryPath
    Dim cmd As New SqlCommand

#Region "PROSEDUR & FUNGSI"
    Sub COUNTER_ID()
        Try
            conn.Open()
            comm.CommandText = "SELECT MAX(ID_KOLEKSI) FROM KOLEKSI"
            comm.Connection = conn

            dr = comm.ExecuteReader
            While dr.Read
                If IsDBNull(dr(0)) = True Then
                    lblID.Text = 1
                Else
                    lblID.Text = dr(0) + 1
                End If
            End While
        Catch ex As Exception
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Koleksi.vb
Visual Basic file
length : 19,149 lines : 484
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

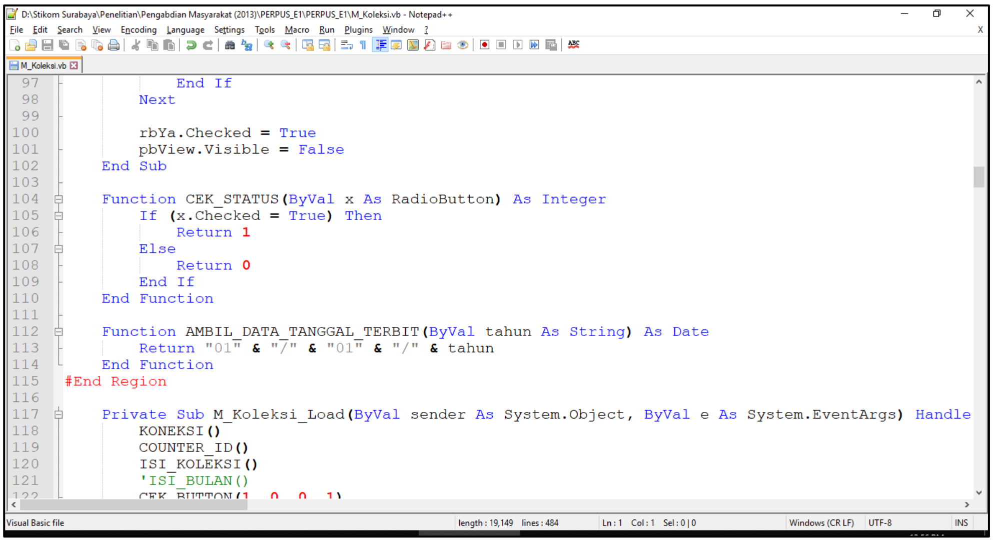
```
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub

    Sub CEK_BUTTON(ByVal simpan As Integer, ByVal ubah As Integer, ByVal hapus As Integer, ByVal
        With btnTambah
            If simpan = 1 Then
                .Enabled = True
            Else
                .Enabled = False
            End If
        End With

        With btnUbah
            If ubah = 1 Then
                .Enabled = True
            Else
                .Enabled = False
            End If
        End With

        With btnHapus
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Koleksi.vb
Visual Basic file
length : 19,149 lines : 484
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

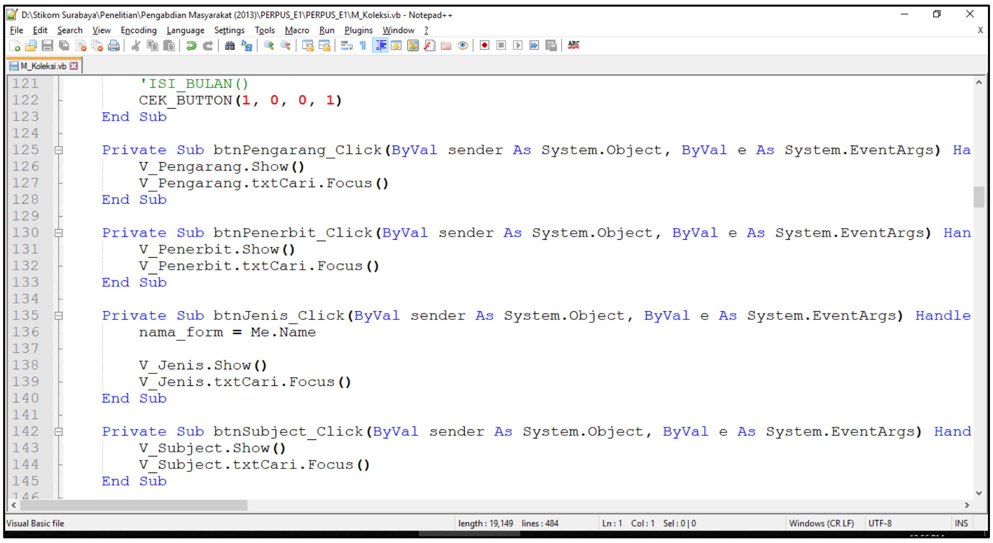
```
        With btnHapus
            If hapus = 1 Then
                .Enabled = True
            Else
                .Enabled = False
            End If
        End With

        With btnBatal
            If batal = 1 Then
                .Enabled = True
            Else
                .Enabled = False
            End If
        End With
    End Sub

    Sub ISI_KOLEKSI()
        Try
            dtKoleksi.Clear()
            conn.Open()

            query = "SELECT K.ID_KOLEKSI 'ID', K.DDC, K.NAMA_KOLEKSI 'NAMA', PG.NAMA_PENGARANG 'P
                    "FROM KOLEKSI K, PENERBIT PT, SUBJECT S, JENIS_KOLEKSI JK, PENGARANG PG, KARA
                    "WHERE K.ID_PENERBIT = PT.ID_PENERBIT AND " & _
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Koleksi.vb
Visual Basic file
length : 19,149 lines : 484
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

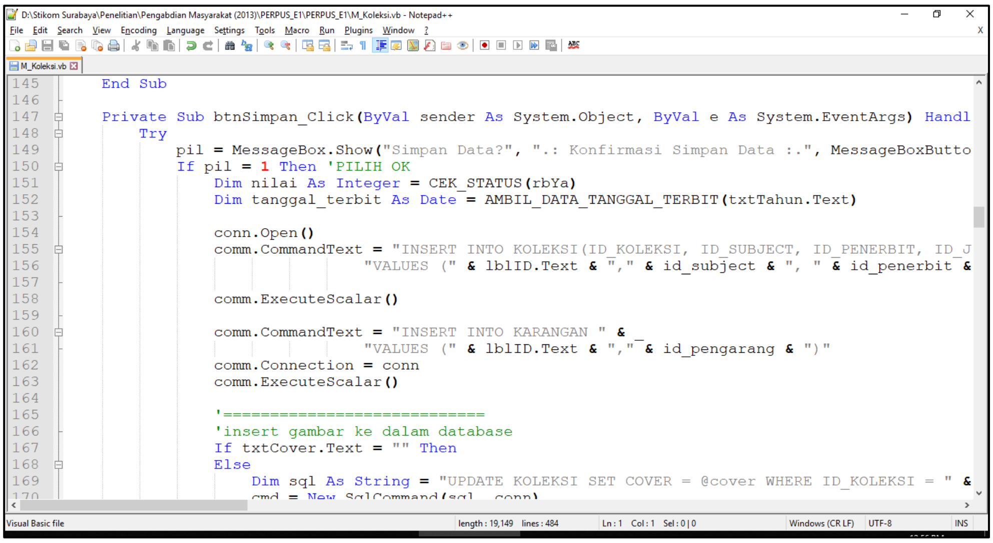
```
                    "WHERE K.ID_PENERBIT = PT.ID_PENERBIT AND " & _
                        "K.ID_SUBJECT = S.ID_SUBJECT AND " & _
                        "K.ID_JENIS = JK.ID_JENIS AND " & _
                        "PG.ID_PENGARANG = KN.ID_PENGARANG AND " & _
                        "K.ID_KOLEKSI = KN.ID_KOLEKSI"
            da = New SqlDataAdapter(query, conn)
            da.Fill(dtKoleksi)
            da.MissingSchemaAction = MissingSchemaAction.AddWithKey

            dv = dtKoleksi.DefaultView
            dgvKoleksi.DataSource = dv

        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub


    Sub BERSIH()
        For Each edo As Control In Me.GroupBox1.Controls
            If TypeOf (edo) Is TextBox Then
                edo.Text = ""
            End If
        Next
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Koleksi.vb
Visual Basic file
length : 19,149 lines : 484
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

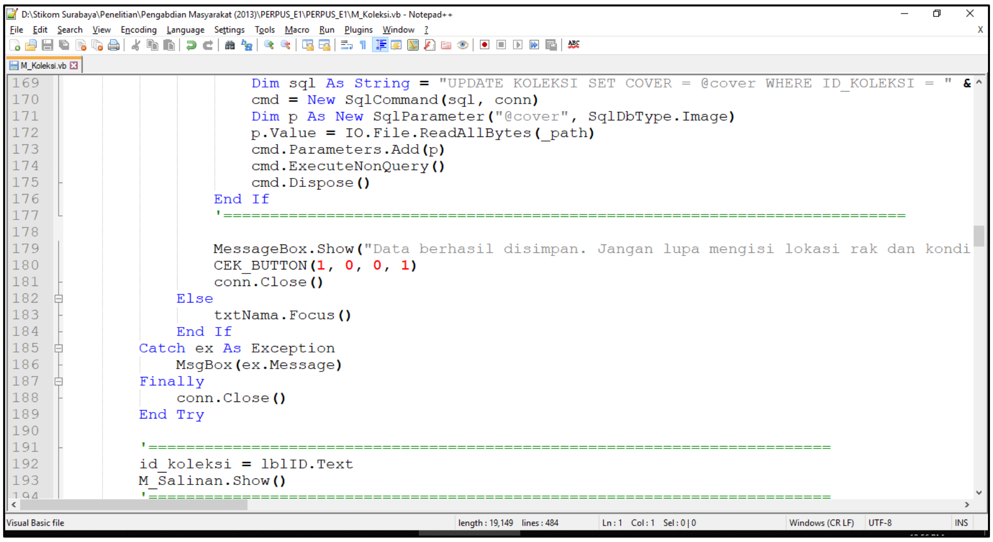
```
            End If
        Next

        rbYa.Checked = True
        pbView.Visible = False
    End Sub

    Function CEK_STATUS(ByVal x As RadioButton) As Integer
        If (x.Checked = True) Then
            Return 1
        Else
            Return 0
        End If
    End Function

    Function AMBIL_DATA_TANGGAL_TERBIT(ByVal tahun As String) As Date
        Return "01" & "/" & "01" & "/" & tahun
    End Function
#End Region

    Private Sub M_Koleksi_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
        KONEKSI()
        COUNTER_ID()
        ISI_KOLEKSI()
        'ISI_BULAN()
        CEK_BUTTON(1, 0, 0, 1)
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Koleksi.vb
Visual Basic file
length : 19,149 lines : 484
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

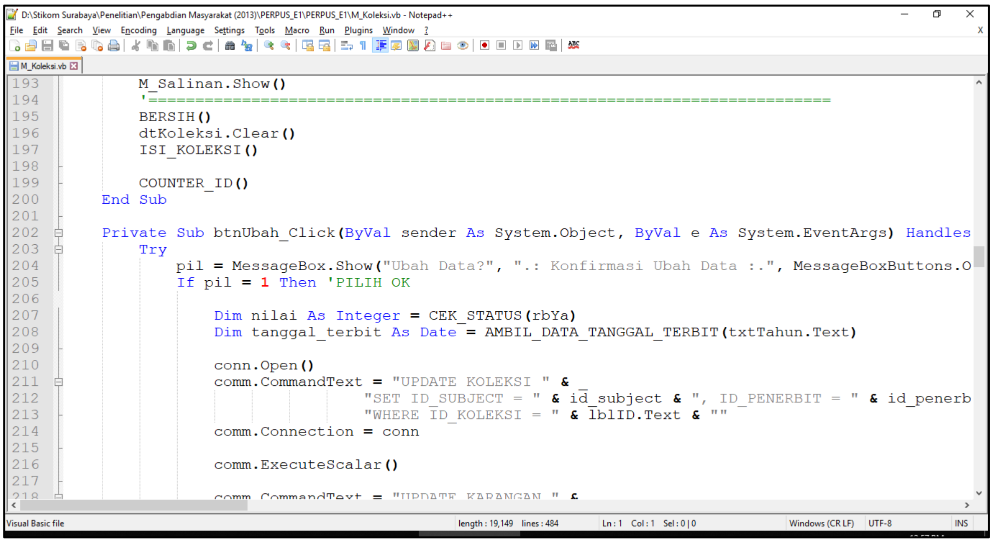
```
        'ISI_BULAN()
        CEK_BUTTON(1, 0, 0, 1)
    End Sub

    Private Sub btnPengarang_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Ha
        V_Pengarang.Show()
        V_Pengarang.txtCari.Focus()
    End Sub

    Private Sub btnPenerbit_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Han
        V_Penerbit.Show()
        V_Penerbit.txtCari.Focus()
    End Sub

    Private Sub btnJenis_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
        nama_form = Me.Name

        V_Jenis.Show()
        V_Jenis.txtCari.Focus()
    End Sub

    Private Sub btnSubject_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Hand
        V_Subject.Show()
        V_Subject.txtCari.Focus()
    End Sub
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Koleksi.vb
Visual Basic file
length : 19,149 lines : 484
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

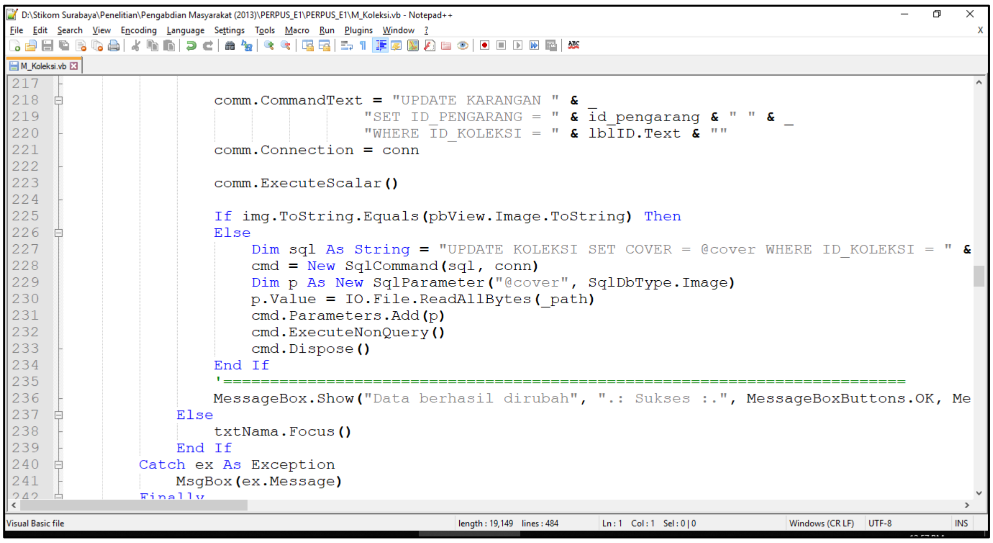
```
    End Sub

    Private Sub btnSimpan_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handl
        Try
            pil = MessageBox.Show("Simpan Data?", ".: Konfirmasi Simpan Data :.", MessageBoxButto
            If pil = 1 Then 'PILIH OK
                Dim nilai As Integer = CEK_STATUS(rbYa)
                Dim tanggal_terbit As Date = AMBIL_DATA_TANGGAL_TERBIT(txtTahun.Text)

                conn.Open()
                comm.CommandText = "INSERT INTO KOLEKSI(ID_KOLEKSI, ID_SUBJECT, ID_PENERBIT, ID_J
                                "VALUES (" & lblID.Text & "," & id_subject & ", " & id_penerbit &

                comm.ExecuteScalar()

                comm.CommandText = "INSERT INTO KARANGAN " & _
                                "VALUES (" & lblID.Text & "," & id_pengarang & ")"
                comm.Connection = conn
                comm.ExecuteScalar()

                '============================
                'insert gambar ke dalam database
                If txtCover.Text = "" Then
                Else
                    Dim sql As String = "UPDATE KOLEKSI SET COVER = @cover WHERE ID_KOLEKSI = " &
                    cmd = New SqlCommand(sql, conn)
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Koleksi.vb
Visual Basic file
length : 19,149 lines : 484
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

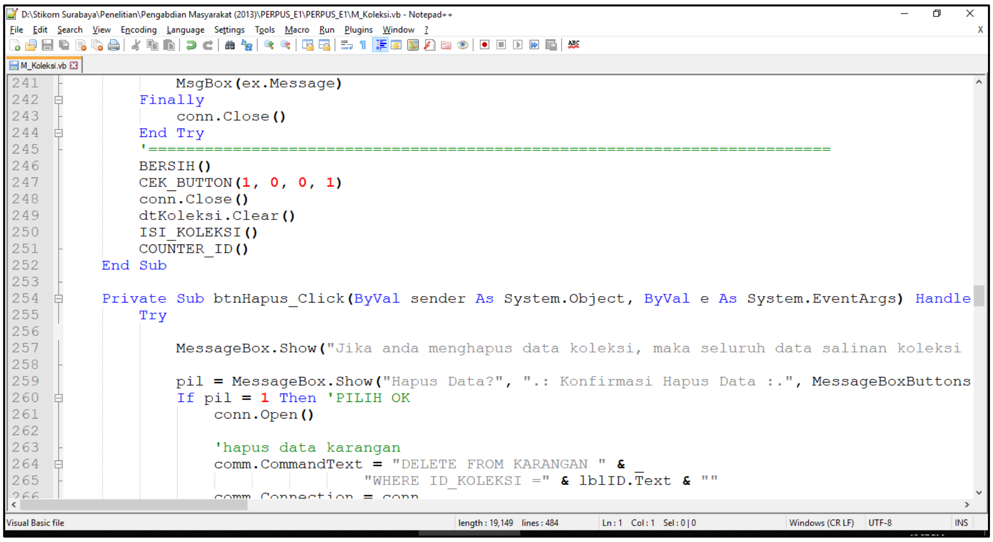
```
                    Dim sql As String = "UPDATE KOLEKSI SET COVER = @cover WHERE ID_KOLEKSI = " &
                    cmd = New SqlCommand(sql, conn)
                    Dim p As New SqlParameter("@cover", SqlDbType.Image)
                    p.Value = IO.File.ReadAllBytes(_path)
                    cmd.Parameters.Add(p)
                    cmd.ExecuteNonQuery()
                    cmd.Dispose()
                End If
                '=========================================================================

                MessageBox.Show("Data berhasil disimpan. Jangan lupa mengisi lokasi rak dan kondi
                CEK_BUTTON(1, 0, 0, 1)
                conn.Close()
            Else
                txtNama.Focus()
            End If
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try

        '=========================================================================
        id_koleksi = lblID.Text
        M_Salinan.Show()
        '=========================================================================
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Koleksi.vb
Visual Basic file
length : 19,149 lines : 484
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

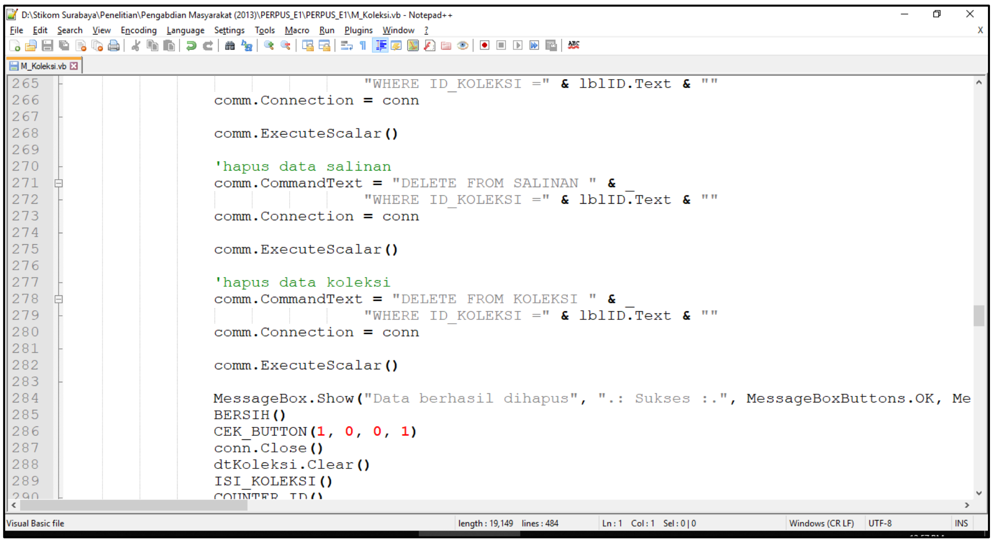
```
        M_Salinan.Show()
        '=========================================================================
        BERSIH()
        dtKoleksi.Clear()
        ISI_KOLEKSI()

        COUNTER_ID()
    End Sub

    Private Sub btnUbah_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
        Try
            pil = MessageBox.Show("Ubah Data?", ".: Konfirmasi Ubah Data :.", MessageBoxButtons.O
            If pil = 1 Then 'PILIH OK

                Dim nilai As Integer = CEK_STATUS(rbYa)
                Dim tanggal_terbit As Date = AMBIL_DATA_TANGGAL_TERBIT(txtTahun.Text)

                conn.Open()
                comm.CommandText = "UPDATE KOLEKSI " & _
                                "SET ID_SUBJECT = " & id_subject & ", ID_PENERBIT = " & id_penerb
                                "WHERE ID_KOLEKSI = " & lblID.Text & ""
                comm.Connection = conn

                comm.ExecuteScalar()

                comm.CommandText = "UPDATE KARANGAN " &
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Koleksi.vb
Visual Basic file
length : 19,149 lines : 484
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

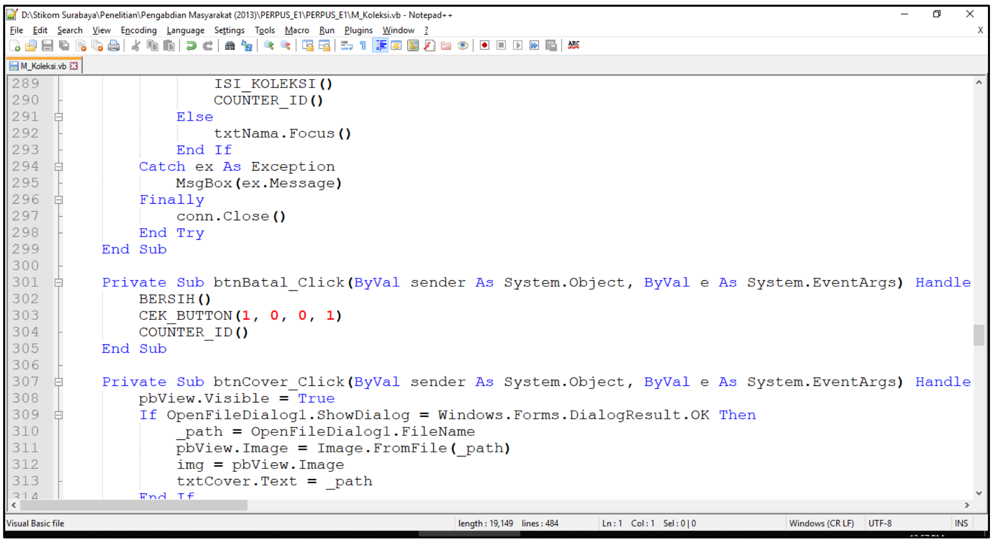
```
                comm.CommandText = "UPDATE KARANGAN " & _
                                "SET ID_PENGARANG = " & id_pengarang & " " & _
                                "WHERE ID_KOLEKSI = " & lblID.Text & ""
                comm.Connection = conn

                comm.ExecuteScalar()

                If img.ToString.Equals(pbView.Image.ToString) Then
                Else
                    Dim sql As String = "UPDATE KOLEKSI SET COVER = @cover WHERE ID_KOLEKSI = " &
                    cmd = New SqlCommand(sql, conn)
                    Dim p As New SqlParameter("@cover", SqlDbType.Image)
                    p.Value = IO.File.ReadAllBytes(_path)
                    cmd.Parameters.Add(p)
                    cmd.ExecuteNonQuery()
                    cmd.Dispose()
                End If
                '========================================================================
                MessageBox.Show("Data berhasil dirubah", ".: Sukses :.", MessageBoxButtons.OK, Me
            Else
                txtNama.Focus()
            End If
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Koleksi.vb
Visual Basic file
length : 19,149 lines : 484
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

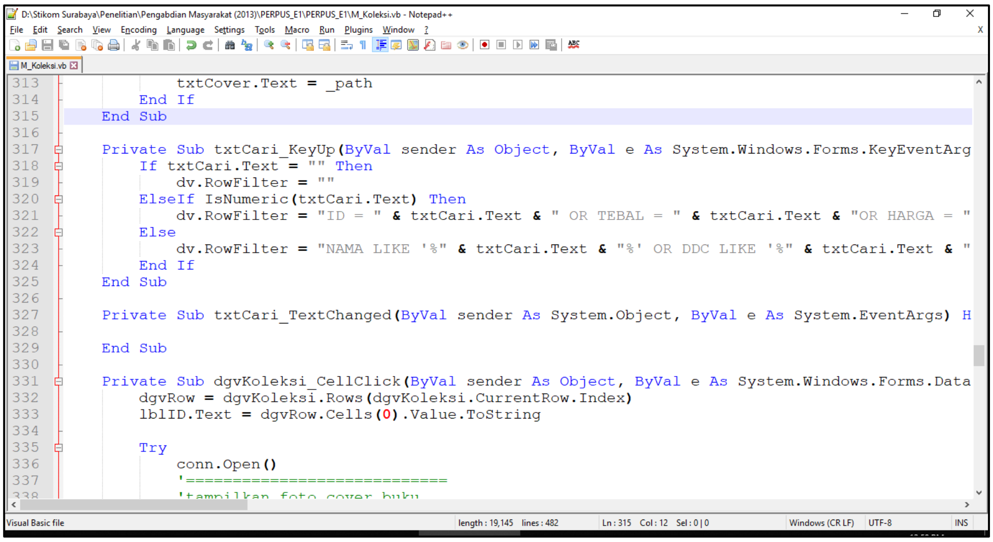
```
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
        '========================================================================
        BERSIH()
        CEK_BUTTON(1, 0, 0, 1)
        conn.Close()
        dtKoleksi.Clear()
        ISI_KOLEKSI()
        COUNTER_ID()
    End Sub

    Private Sub btnHapus_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
        Try

            MessageBox.Show("Jika anda menghapus data koleksi, maka seluruh data salinan koleksi

            pil = MessageBox.Show("Hapus Data?", ".: Konfirmasi Hapus Data :.", MessageBoxButtons
            If pil = 1 Then 'PILIH OK
                conn.Open()

                'hapus data karangan
                comm.CommandText = "DELETE FROM KARANGAN " & _
                                "WHERE ID_KOLEKSI =" & lblID.Text & ""
                comm.Connection = conn
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Koleksi.vb
Visual Basic file
length : 19,149 lines : 484
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

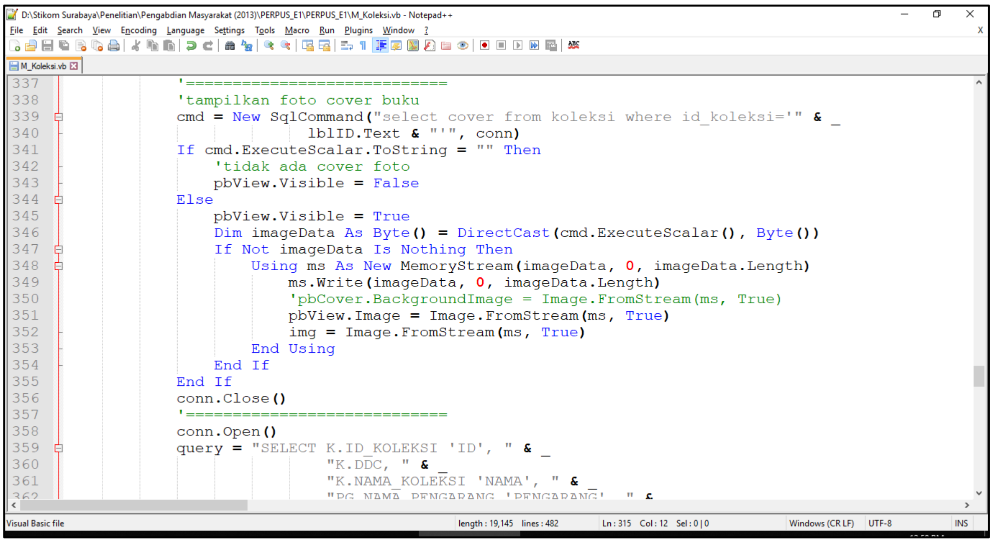
```
                                "WHERE ID_KOLEKSI =" & lblID.Text & ""
                comm.Connection = conn

                comm.ExecuteScalar()

                'hapus data salinan
                comm.CommandText = "DELETE FROM SALINAN " & _
                                "WHERE ID_KOLEKSI =" & lblID.Text & ""
                comm.Connection = conn

                comm.ExecuteScalar()

                'hapus data koleksi
                comm.CommandText = "DELETE FROM KOLEKSI " & _
                                "WHERE ID_KOLEKSI =" & lblID.Text & ""
                comm.Connection = conn

                comm.ExecuteScalar()

                MessageBox.Show("Data berhasil dihapus", ".: Sukses :.", MessageBoxButtons.OK, Me
                BERSIH()
                CEK_BUTTON(1, 0, 0, 1)
                conn.Close()
                dtKoleksi.Clear()
                ISI_KOLEKSI()
                COUNTER_ID()
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Koleksi.vb
Visual Basic file
length : 19,149 lines : 484
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

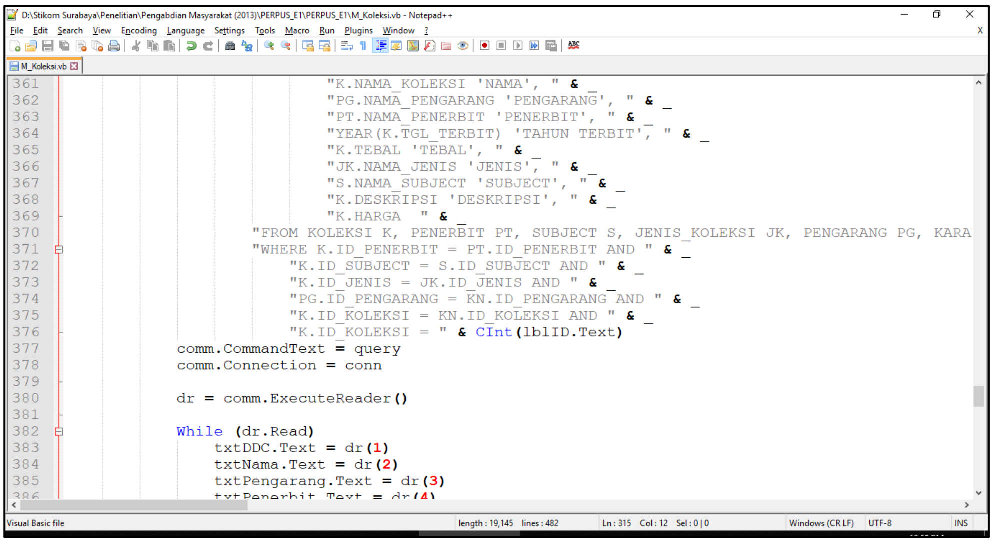
```
                ISI_KOLEKSI()
                COUNTER_ID()
            Else
                txtNama.Focus()
            End If
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub

    Private Sub btnBatal_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
        BERSIH()
        CEK_BUTTON(1, 0, 0, 1)
        COUNTER_ID()
    End Sub

    Private Sub btnCover_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
        pbView.Visible = True
        If OpenFileDialog1.ShowDialog = Windows.Forms.DialogResult.OK Then
            _path = OpenFileDialog1.FileName
            pbView.Image = Image.FromFile(_path)
            img = pbView.Image
            txtCover.Text = _path
        End If
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Koleksi.vb
Visual Basic file
length : 19,145 lines : 482
Ln : 315 Col : 12 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

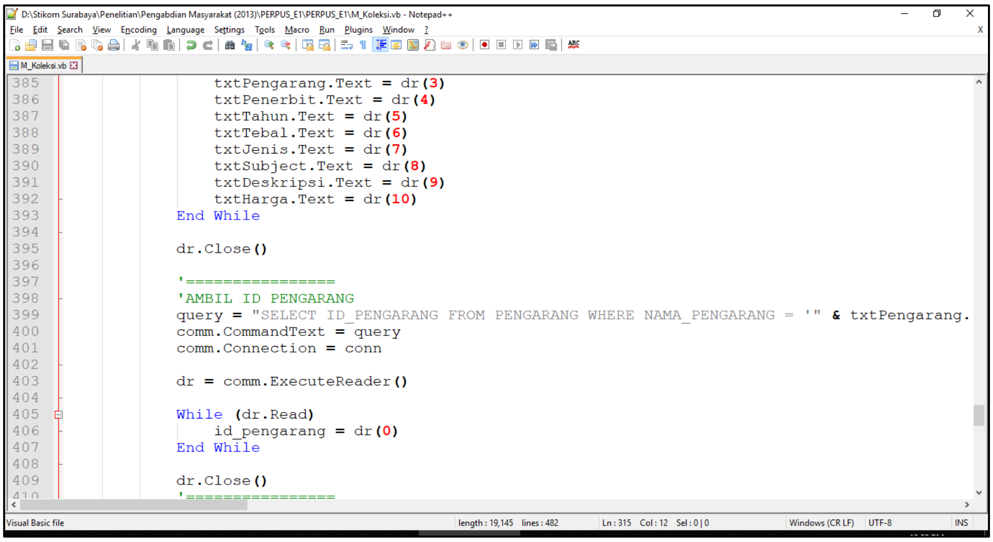
```
            txtCover.Text = _path
        End If
    End Sub

    Private Sub txtCari_KeyUp(ByVal sender As Object, ByVal e As System.Windows.Forms.KeyEventArg
        If txtCari.Text = "" Then
            dv.RowFilter = ""
        ElseIf IsNumeric(txtCari.Text) Then
            dv.RowFilter = "ID = " & txtCari.Text & " OR TEBAL = " & txtCari.Text & "OR HARGA = "
        Else
            dv.RowFilter = "NAMA LIKE '%" & txtCari.Text & "%' OR DDC LIKE '%" & txtCari.Text & "
        End If
    End Sub

    Private Sub txtCari_TextChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) H

    End Sub

    Private Sub dgvKoleksi_CellClick(ByVal sender As Object, ByVal e As System.Windows.Forms.Data
        dgvRow = dgvKoleksi.Rows(dgvKoleksi.CurrentRow.Index)
        lblID.Text = dgvRow.Cells(0).Value.ToString

        Try
            conn.Open()
            '============================
            'tampilkan foto cover buku
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Koleksi.vb
Visual Basic file
length : 19,145 lines : 482
Ln : 315 Col : 12 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

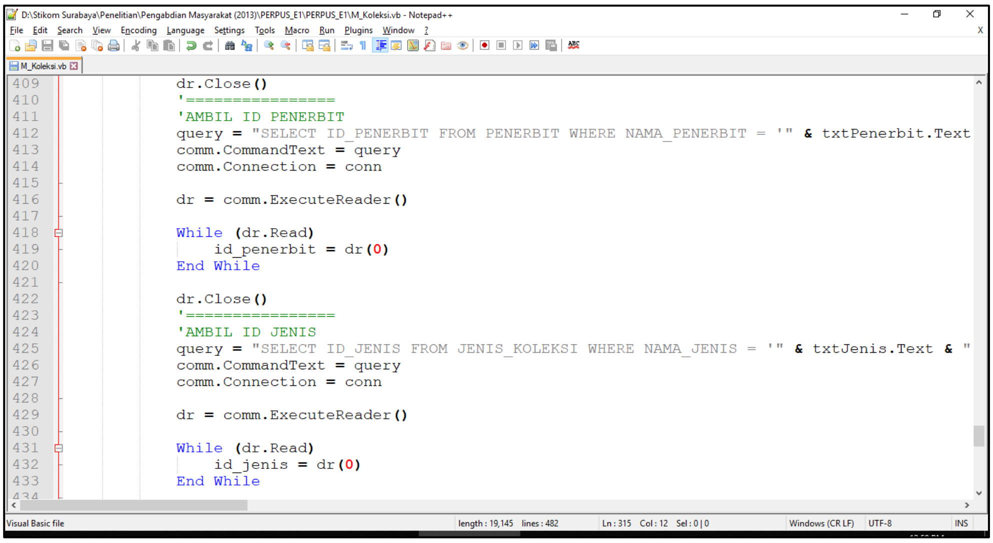
```
            '============================
            'tampilkan foto cover buku
            cmd = New SqlCommand("select cover from koleksi where id_koleksi='" & _
                          lblID.Text & "'", conn)
            If cmd.ExecuteScalar.ToString = "" Then
                'tidak ada cover foto
                pbView.Visible = False
            Else
                pbView.Visible = True
                Dim imageData As Byte() = DirectCast(cmd.ExecuteScalar(), Byte())
                If Not imageData Is Nothing Then
                    Using ms As New MemoryStream(imageData, 0, imageData.Length)
                        ms.Write(imageData, 0, imageData.Length)
                        'pbCover.BackgroundImage = Image.FromStream(ms, True)
                        pbView.Image = Image.FromStream(ms, True)
                        img = Image.FromStream(ms, True)
                    End Using
                End If
            End If
            conn.Close()
            '============================
            conn.Open()
            query = "SELECT K.ID_KOLEKSI 'ID', " & _
                            "K.DDC, " & _
                            "K.NAMA_KOLEKSI 'NAMA', " & _
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Koleksi.vb
Visual Basic file
length : 19,145 lines : 482
Ln : 315 Col : 12 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

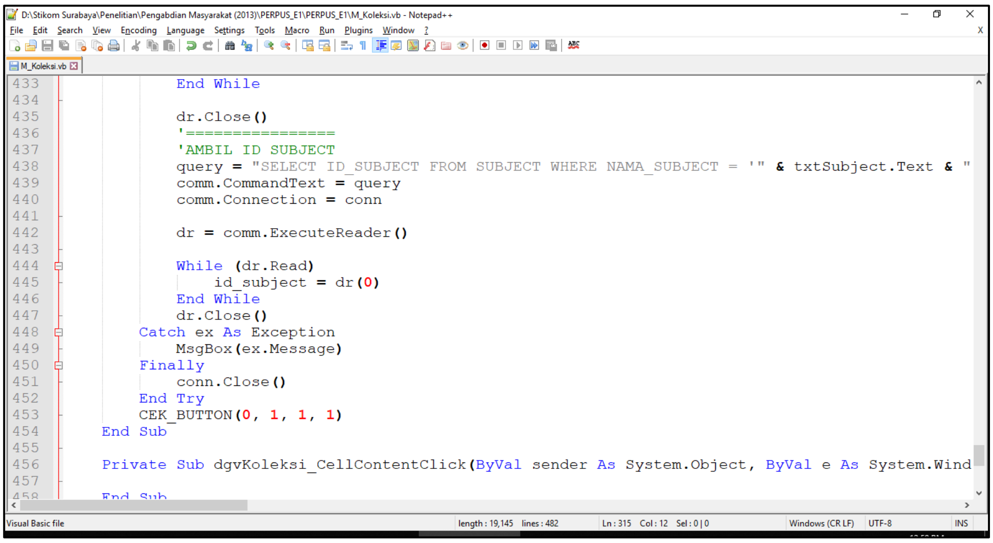
```
                            "K.NAMA_KOLEKSI 'NAMA', " & _
                            "PG.NAMA_PENGARANG 'PENGARANG', " & _
                            "PT.NAMA_PENERBIT 'PENERBIT', " & _
                            "YEAR(K.TGL_TERBIT) 'TAHUN TERBIT', " & _
                            "K.TEBAL 'TEBAL', " & _
                            "JK.NAMA_JENIS 'JENIS', " & _
                            "S.NAMA_SUBJECT 'SUBJECT', " & _
                            "K.DESKRIPSI 'DESKRIPSI', " & _
                            "K.HARGA  " & _
                    "FROM KOLEKSI K, PENERBIT PT, SUBJECT S, JENIS_KOLEKSI JK, PENGARANG PG, KARA
                    "WHERE K.ID_PENERBIT = PT.ID_PENERBIT AND " & _
                        "K.ID_SUBJECT = S.ID_SUBJECT AND " & _
                        "K.ID_JENIS = JK.ID_JENIS AND " & _
                        "PG.ID_PENGARANG = KN.ID_PENGARANG AND " & _
                        "K.ID_KOLEKSI = KN.ID_KOLEKSI AND " & _
                        "K.ID_KOLEKSI = " & CInt(lblID.Text)
            comm.CommandText = query
            comm.Connection = conn

            dr = comm.ExecuteReader()

            While (dr.Read)
                txtDDC.Text = dr(1)
                txtNama.Text = dr(2)
                txtPengarang.Text = dr(3)
                txtPenerbit.Text = dr(4)
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Koleksi.vb
Visual Basic file
length : 19,145 lines : 482
Ln : 315 Col : 12 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

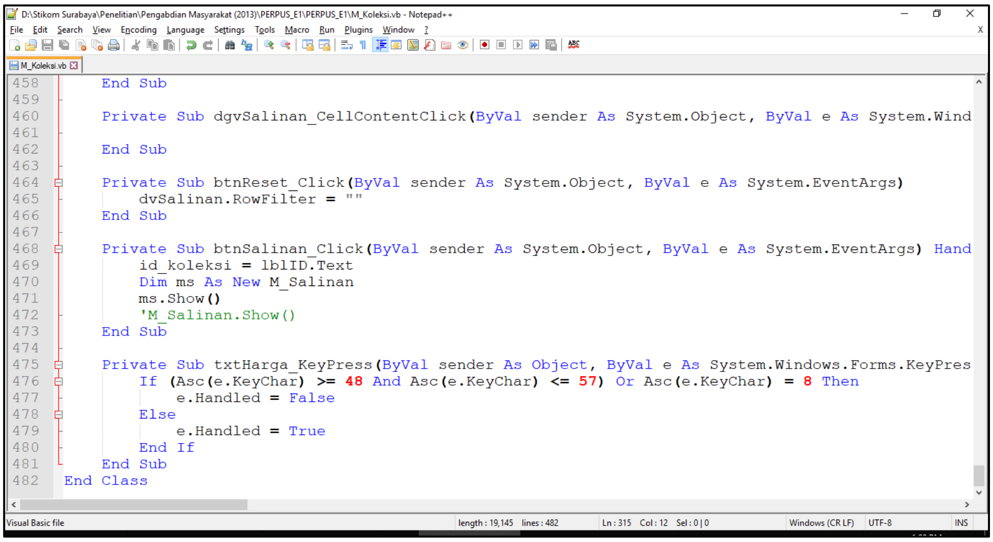
```
                txtPengarang.Text = dr(3)
                txtPenerbit.Text = dr(4)
                txtTahun.Text = dr(5)
                txtTebal.Text = dr(6)
                txtJenis.Text = dr(7)
                txtSubject.Text = dr(8)
                txtDeskripsi.Text = dr(9)
                txtHarga.Text = dr(10)
            End While

            dr.Close()

            '================
            'AMBIL ID PENGARANG
            query = "SELECT ID_PENGARANG FROM PENGARANG WHERE NAMA_PENGARANG = '" & txtPengarang.
            comm.CommandText = query
            comm.Connection = conn

            dr = comm.ExecuteReader()

            While (dr.Read)
                id_pengarang = dr(0)
            End While

            dr.Close()
            '================
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Koleksi.vb
Visual Basic file
length : 19,145 lines : 482
Ln : 315 Col : 12 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

```
            dr.Close()
            '================
            'AMBIL ID PENERBIT
            query = "SELECT ID_PENERBIT FROM PENERBIT WHERE NAMA_PENERBIT = '" & txtPenerbit.Text
            comm.CommandText = query
            comm.Connection = conn

            dr = comm.ExecuteReader()

            While (dr.Read)
                id_penerbit = dr(0)
            End While

            dr.Close()
            '================
            'AMBIL ID JENIS
            query = "SELECT ID_JENIS FROM JENIS_KOLEKSI WHERE NAMA_JENIS = '" & txtJenis.Text & "
            comm.CommandText = query
            comm.Connection = conn

            dr = comm.ExecuteReader()

            While (dr.Read)
                id_jenis = dr(0)
            End While
```

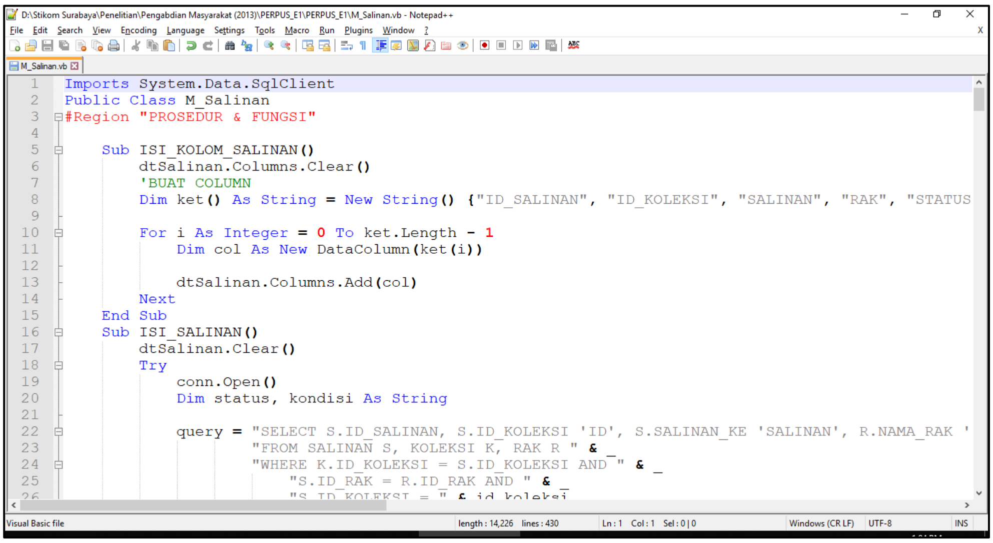

D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Koleksi.vb
Visual Basic file
length : 19,145 lines : 482
Ln : 315 Col : 12 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

```
            End While

            dr.Close()
            '================
            'AMBIL ID SUBJECT
            query = "SELECT ID_SUBJECT FROM SUBJECT WHERE NAMA_SUBJECT = '" & txtSubject.Text & "
            comm.CommandText = query
            comm.Connection = conn

            dr = comm.ExecuteReader()

            While (dr.Read)
                id_subject = dr(0)
            End While
            dr.Close()
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
        CEK_BUTTON(0, 1, 1, 1)
    End Sub

    Private Sub dgvKoleksi_CellContentClick(ByVal sender As System.Object, ByVal e As System.Wind

    End Sub
```

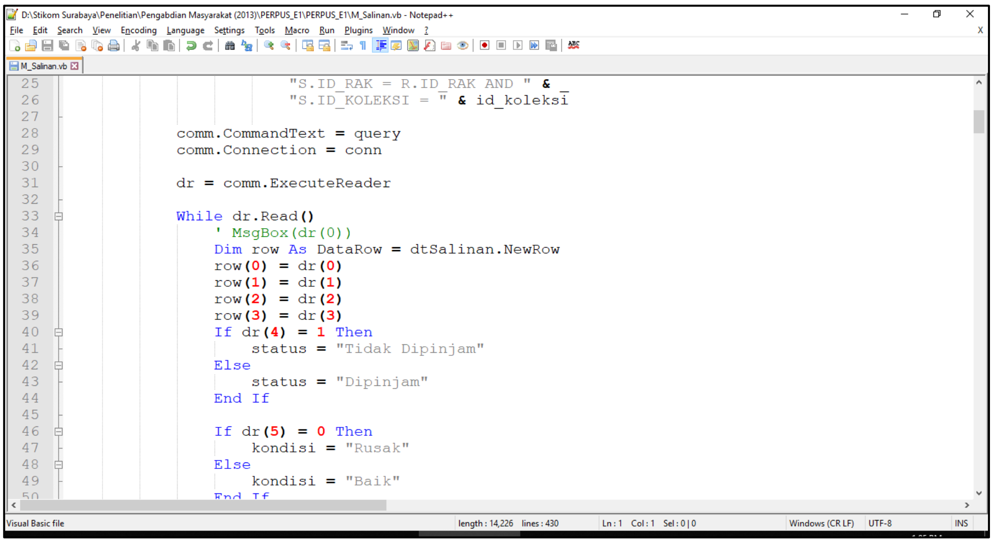

D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Koleksi.vb
Visual Basic file
length : 19,145 lines : 482
Ln : 315 Col : 12 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

```
    End Sub

    Private Sub dgvSalinan_CellContentClick(ByVal sender As System.Object, ByVal e As System.Wind

    End Sub

    Private Sub btnReset_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
        dvSalinan.RowFilter = ""
    End Sub

    Private Sub btnSalinan_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Hand
        id_koleksi = lblID.Text
        Dim ms As New M_Salinan
        ms.Show()
        'M_Salinan.Show()
    End Sub

    Private Sub txtHarga_KeyPress(ByVal sender As Object, ByVal e As System.Windows.Forms.KeyPres
        If (Asc(e.KeyChar) >= 48 And Asc(e.KeyChar) <= 57) Or Asc(e.KeyChar) = 8 Then
            e.Handled = False
        Else
            e.Handled = True
        End If
    End Sub
End Class
```

6. Form Salinan Koleksi

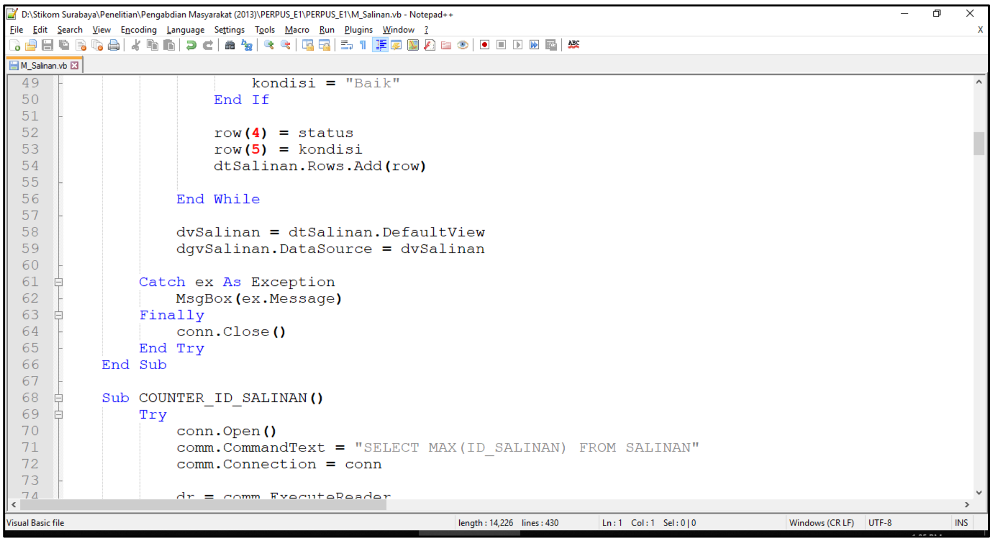

D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Salinan.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Salinan.vb
Visual Basic file
length : 14,226 lines : 430
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

```
Imports System.Data.SqlClient
Public Class M_Salinan
#Region "PROSEDUR & FUNGSI"

    Sub ISI_KOLOM_SALINAN()
        dtSalinan.Columns.Clear()
        'BUAT COLUMN
        Dim ket() As String = New String() {"ID_SALINAN", "ID_KOLEKSI", "SALINAN", "RAK", "STATUS

        For i As Integer = 0 To ket.Length - 1
            Dim col As New DataColumn(ket(i))

            dtSalinan.Columns.Add(col)
        Next
    End Sub
    Sub ISI_SALINAN()
        dtSalinan.Clear()
        Try
            conn.Open()
            Dim status, kondisi As String

            query = "SELECT S.ID_SALINAN, S.ID_KOLEKSI 'ID', S.SALINAN_KE 'SALINAN', R.NAMA_RAK '
                    "FROM SALINAN S, KOLEKSI K, RAK R " & _
                    "WHERE K.ID_KOLEKSI = S.ID_KOLEKSI AND " & _
                        "S.ID_RAK = R.ID_RAK AND " & _
                        "S.ID_KOLEKSI = " & id_koleksi
```



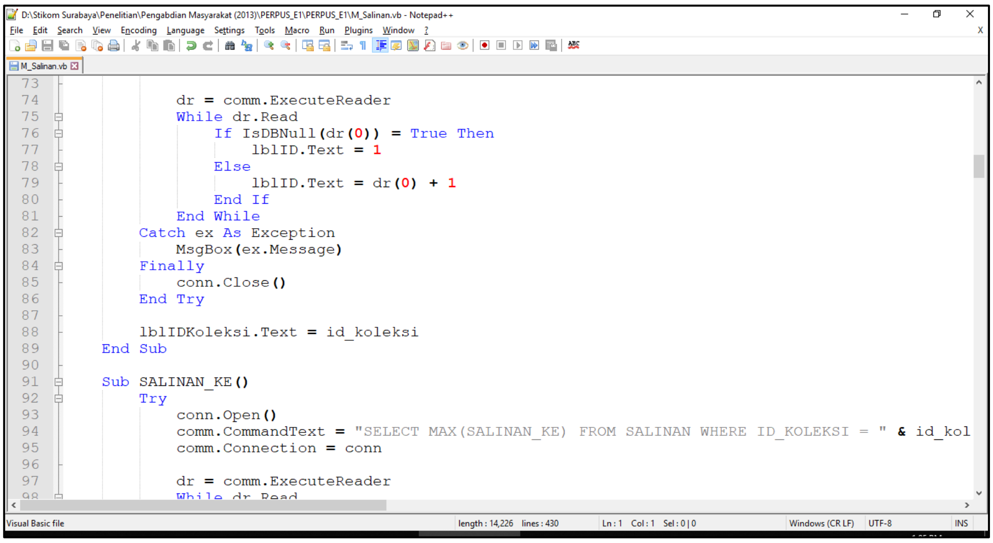
D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Salinan.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Salinan.vb
Visual Basic file
length : 14,226 lines : 430
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

```
                        "S.ID_RAK = R.ID_RAK AND " & _
                        "S.ID_KOLEKSI = " & id_koleksi

            comm.CommandText = query
            comm.Connection = conn

            dr = comm.ExecuteReader

            While dr.Read()
                ' MsgBox(dr(0))
                Dim row As DataRow = dtSalinan.NewRow
                row(0) = dr(0)
                row(1) = dr(1)
                row(2) = dr(2)
                row(3) = dr(3)
                If dr(4) = 1 Then
                    status = "Tidak Dipinjam"
                Else
                    status = "Dipinjam"
                End If

                If dr(5) = 0 Then
                    kondisi = "Rusak"
                Else
                    kondisi = "Baik"
                End If
```



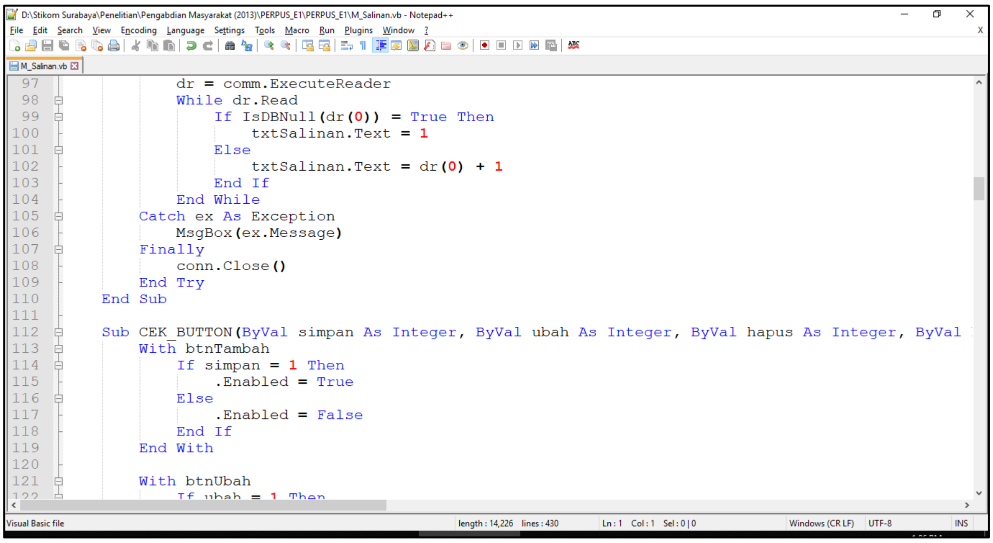
D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Salinan.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Salinan.vb
Visual Basic file
length : 14,226 lines : 430
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

```
                    kondisi = "Baik"
                End If

                row(4) = status
                row(5) = kondisi
                dtSalinan.Rows.Add(row)

            End While

            dvSalinan = dtSalinan.DefaultView
            dgvSalinan.DataSource = dvSalinan

        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub

    Sub COUNTER_ID_SALINAN()
        Try
            conn.Open()
            comm.CommandText = "SELECT MAX(ID_SALINAN) FROM SALINAN"
            comm.Connection = conn

            dr = comm.ExecuteReader
```

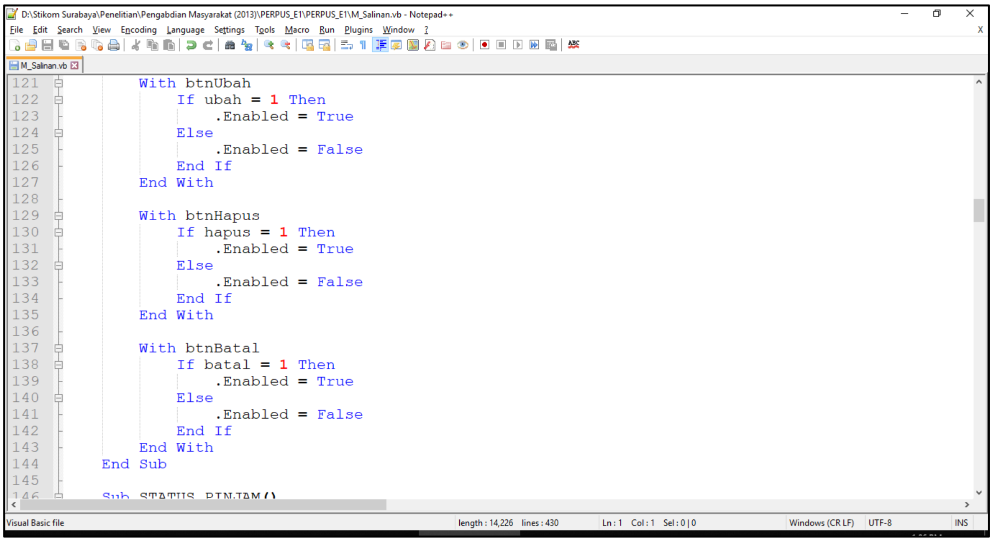


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Salinan.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Salinan.vb
Visual Basic file
length : 14,226 lines : 430
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

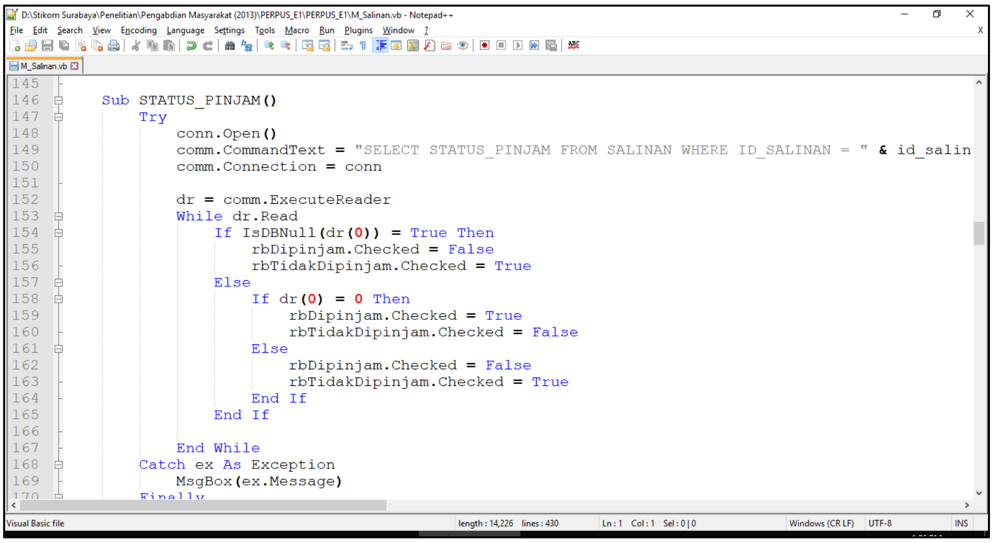
```

            dr = comm.ExecuteReader
            While dr.Read
                If IsDBNull(dr(0)) = True Then
                    lblID.Text = 1
                Else
                    lblID.Text = dr(0) + 1
                End If
            End While
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try

        lblIDKoleksi.Text = id_koleksi
    End Sub

    Sub SALINAN_KE()
        Try
            conn.Open()
            comm.CommandText = "SELECT MAX(SALINAN_KE) FROM SALINAN WHERE ID_KOLEKSI = " & id_kol
            comm.Connection = conn

            dr = comm.ExecuteReader
            While dr.Read
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Salinan.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Salinan.vb
Visual Basic file
length : 14,226 lines : 430
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

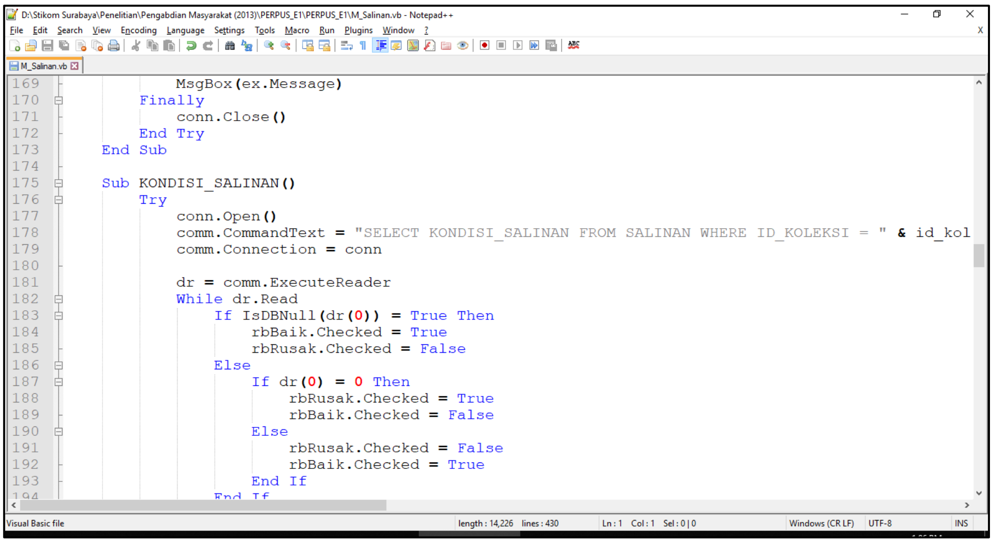
```
            dr = comm.ExecuteReader
            While dr.Read
                If IsDBNull(dr(0)) = True Then
                    txtSalinan.Text = 1
                Else
                    txtSalinan.Text = dr(0) + 1
                End If
            End While
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub

    Sub CEK_BUTTON(ByVal simpan As Integer, ByVal ubah As Integer, ByVal hapus As Integer, ByVal
        With btnTambah
            If simpan = 1 Then
                .Enabled = True
            Else
                .Enabled = False
            End If
        End With

        With btnUbah
            If ubah = 1 Then
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Salinan.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Salinan.vb
Visual Basic file
length : 14,226 lines : 430
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

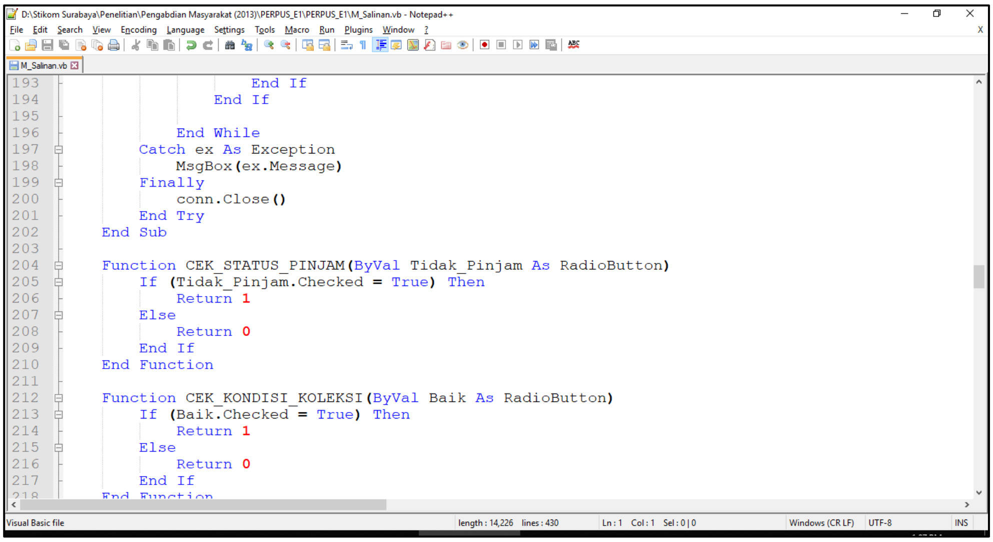
```
        With btnUbah
            If ubah = 1 Then
                .Enabled = True
            Else
                .Enabled = False
            End If
        End With

        With btnHapus
            If hapus = 1 Then
                .Enabled = True
            Else
                .Enabled = False
            End If
        End With

        With btnBatal
            If batal = 1 Then
                .Enabled = True
            Else
                .Enabled = False
            End If
        End With
    End Sub

    Sub STATUS_PINJAM()
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Salinan.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Salinan.vb
Visual Basic file
length : 14,226 lines : 430
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

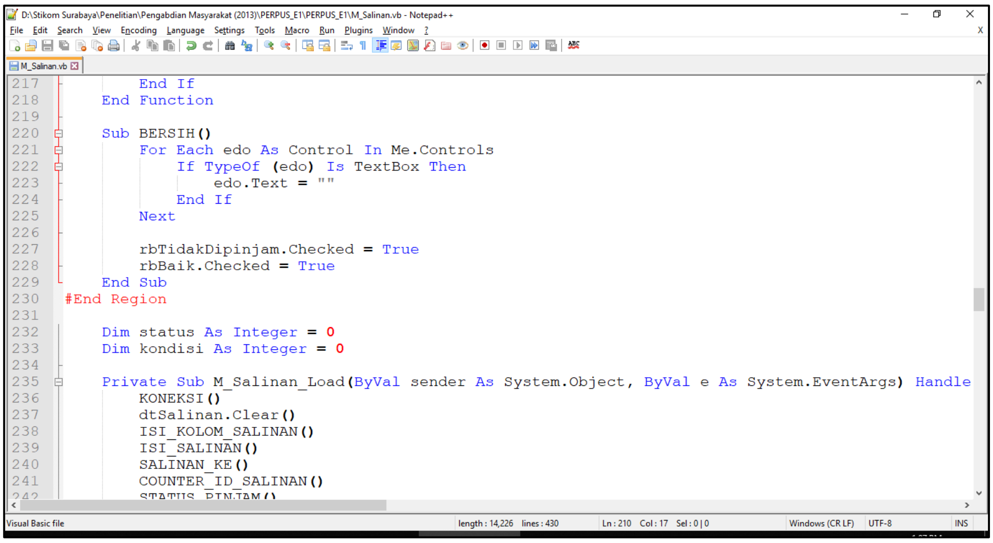
```

    Sub STATUS_PINJAM()
        Try
            conn.Open()
            comm.CommandText = "SELECT STATUS_PINJAM FROM SALINAN WHERE ID_SALINAN = " & id_salin
            comm.Connection = conn

            dr = comm.ExecuteReader
            While dr.Read
                If IsDBNull(dr(0)) = True Then
                    rbDipinjam.Checked = False
                    rbTidakDipinjam.Checked = True
                Else
                    If dr(0) = 0 Then
                        rbDipinjam.Checked = True
                        rbTidakDipinjam.Checked = False
                    Else
                        rbDipinjam.Checked = False
                        rbTidakDipinjam.Checked = True
                    End If
                End If

            End While
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Salinan.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Salinan.vb
Visual Basic file
length : 14,226 lines : 430
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

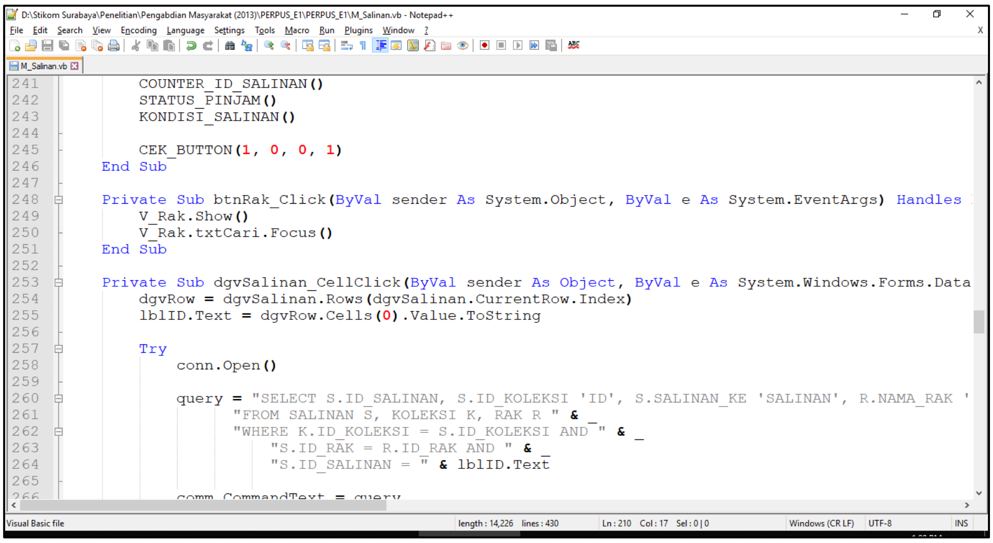
```vb
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub

    Sub KONDISI_SALINAN()
        Try
            conn.Open()
            comm.CommandText = "SELECT KONDISI_SALINAN FROM SALINAN WHERE ID_KOLEKSI = " & id_kol
            comm.Connection = conn

            dr = comm.ExecuteReader
            While dr.Read
                If IsDBNull(dr(0)) = True Then
                    rbBaik.Checked = True
                    rbRusak.Checked = False
                Else
                    If dr(0) = 0 Then
                        rbRusak.Checked = True
                        rbBaik.Checked = False
                    Else
                        rbRusak.Checked = False
                        rbBaik.Checked = True
                    End If
                End If
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Salinan.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Salinan.vb
Visual Basic file
length : 14,226 lines : 430
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

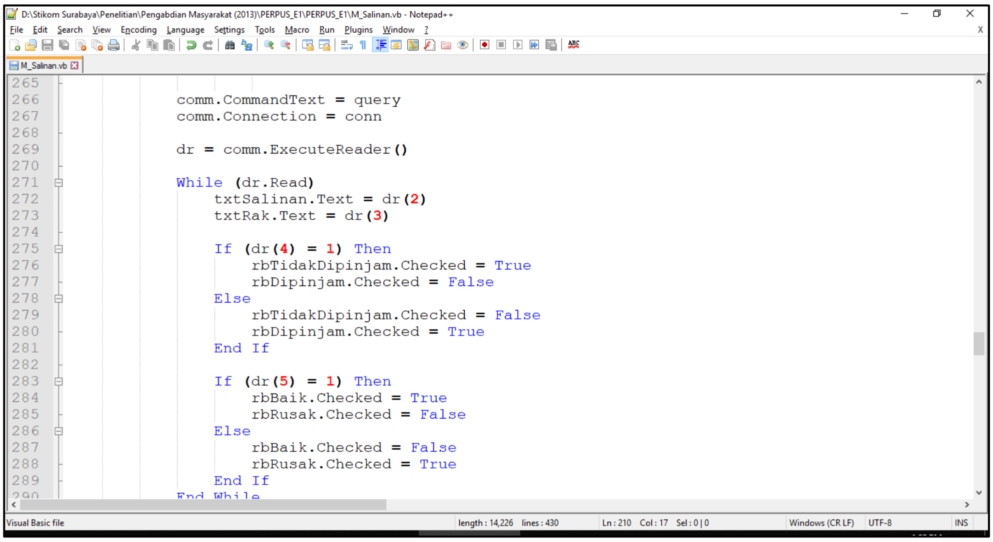
```vb
                    End If
                End If

            End While
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub

    Function CEK_STATUS_PINJAM(ByVal Tidak_Pinjam As RadioButton)
        If (Tidak_Pinjam.Checked = True) Then
            Return 1
        Else
            Return 0
        End If
    End Function

    Function CEK_KONDISI_KOLEKSI(ByVal Baik As RadioButton)
        If (Baik.Checked = True) Then
            Return 1
        Else
            Return 0
        End If
    End Function
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Salinan.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Salinan.vb
Visual Basic file
length : 14,226 lines : 430
Ln : 210 Col : 17 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

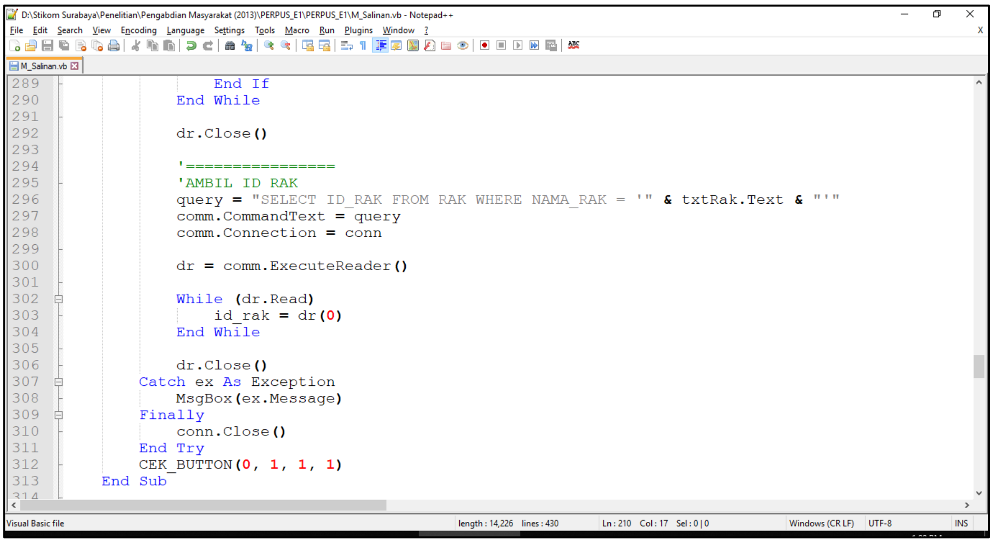
```vb
        End If
    End Function

    Sub BERSIH()
        For Each edo As Control In Me.Controls
            If TypeOf (edo) Is TextBox Then
                edo.Text = ""
            End If
        Next

        rbTidakDipinjam.Checked = True
        rbBaik.Checked = True
    End Sub
#End Region

    Dim status As Integer = 0
    Dim kondisi As Integer = 0

    Private Sub M_Salinan_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
        KONEKSI()
        dtSalinan.Clear()
        ISI_KOLOM_SALINAN()
        ISI_SALINAN()
        SALINAN_KE()
        COUNTER_ID_SALINAN()
        STATUS_PINJAM()
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Salinan.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Salinan.vb
Visual Basic file
length : 14,226 lines : 430
Ln : 210 Col : 17 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

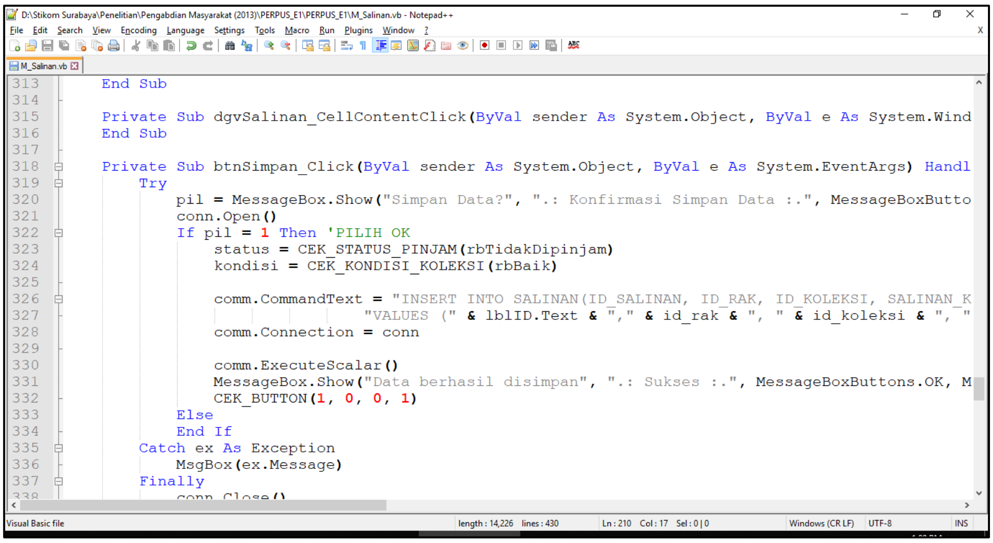
```
        COUNTER_ID_SALINAN()
        STATUS_PINJAM()
        KONDISI_SALINAN()

        CEK_BUTTON(1, 0, 0, 1)
    End Sub

    Private Sub btnRak_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
        V_Rak.Show()
        V_Rak.txtCari.Focus()
    End Sub

    Private Sub dgvSalinan_CellClick(ByVal sender As Object, ByVal e As System.Windows.Forms.Data
        dgvRow = dgvSalinan.Rows(dgvSalinan.CurrentRow.Index)
        lblID.Text = dgvRow.Cells(0).Value.ToString

        Try
            conn.Open()

            query = "SELECT S.ID_SALINAN, S.ID_KOLEKSI 'ID', S.SALINAN_KE 'SALINAN', R.NAMA_RAK '
                  "FROM SALINAN S, KOLEKSI K, RAK R " & _
                  "WHERE K.ID_KOLEKSI = S.ID_KOLEKSI AND " & _
                      "S.ID_RAK = R.ID_RAK AND " & _
                      "S.ID_SALINAN = " & lblID.Text

            comm.CommandText = query
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Salinan.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Salinan.vb
Visual Basic file
length : 14,226 lines : 430
Ln : 210 Col : 17 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

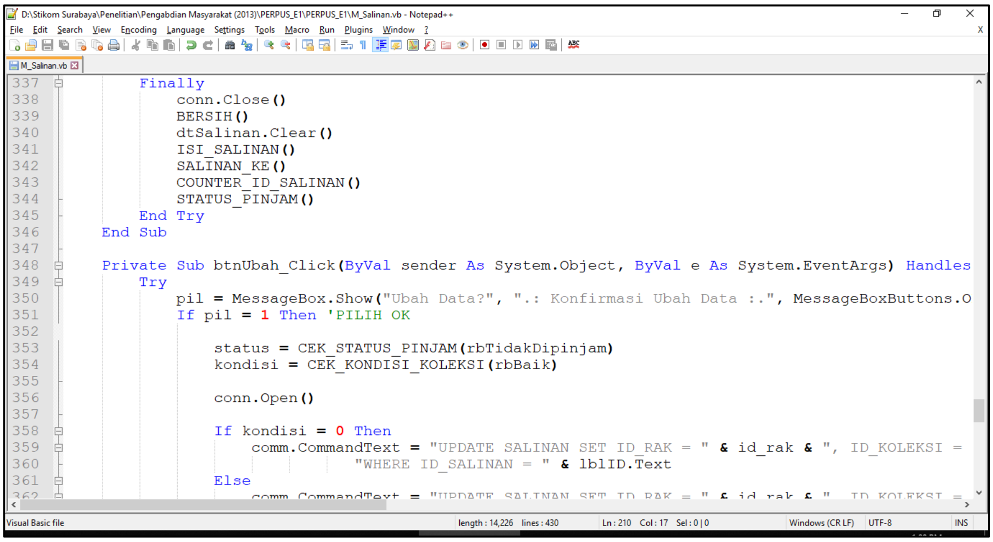
```

            comm.CommandText = query
            comm.Connection = conn

            dr = comm.ExecuteReader()

            While (dr.Read)
                txtSalinan.Text = dr(2)
                txtRak.Text = dr(3)

                If (dr(4) = 1) Then
                    rbTidakDipinjam.Checked = True
                    rbDipinjam.Checked = False
                Else
                    rbTidakDipinjam.Checked = False
                    rbDipinjam.Checked = True
                End If

                If (dr(5) = 1) Then
                    rbBaik.Checked = True
                    rbRusak.Checked = False
                Else
                    rbBaik.Checked = False
                    rbRusak.Checked = True
                End If
            End While
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Salinan.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Salinan.vb
Visual Basic file
length : 14,226 lines : 430
Ln : 210 Col : 17 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

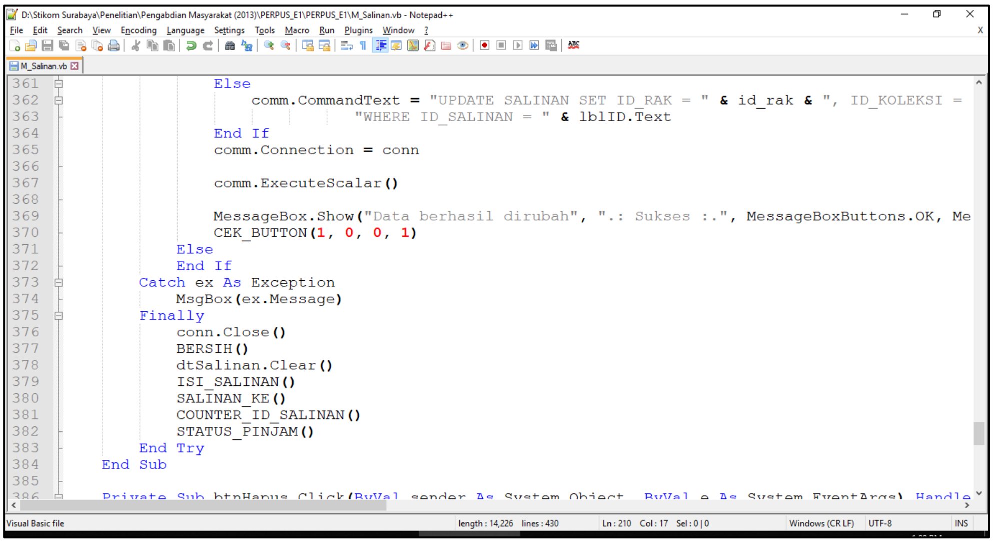
```
                End If
            End While

            dr.Close()

            '================
            'AMBIL ID RAK
            query = "SELECT ID_RAK FROM RAK WHERE NAMA_RAK = '" & txtRak.Text & "'"
            comm.CommandText = query
            comm.Connection = conn

            dr = comm.ExecuteReader()

            While (dr.Read)
                id_rak = dr(0)
            End While

            dr.Close()
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
        CEK_BUTTON(0, 1, 1, 1)
    End Sub
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Salinan.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Salinan.vb
Visual Basic file
length : 14,226 lines : 430
Ln : 210 Col : 17 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

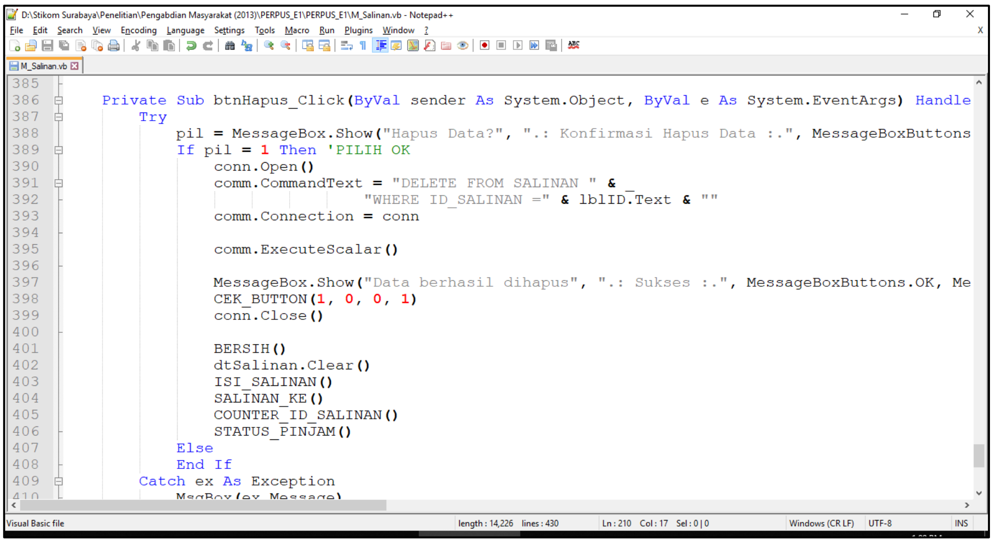
```
    End Sub

    Private Sub dgvSalinan_CellContentClick(ByVal sender As System.Object, ByVal e As System.Wind
    End Sub

    Private Sub btnSimpan_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handl
        Try
            pil = MessageBox.Show("Simpan Data?", ".: Konfirmasi Simpan Data :.", MessageBoxButto
            conn.Open()
            If pil = 1 Then 'PILIH OK
                status = CEK_STATUS_PINJAM(rbTidakDipinjam)
                kondisi = CEK_KONDISI_KOLEKSI(rbBaik)

                comm.CommandText = "INSERT INTO SALINAN(ID_SALINAN, ID_RAK, ID_KOLEKSI, SALINAN_K
                                "VALUES (" & lblID.Text & "," & id_rak & ", " & id_koleksi & ", "
                comm.Connection = conn

                comm.ExecuteScalar()
                MessageBox.Show("Data berhasil disimpan", ".: Sukses :.", MessageBoxButtons.OK, M
                CEK_BUTTON(1, 0, 0, 1)
            Else
            End If
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Salinan.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Salinan.vb
Visual Basic file
length : 14,226 lines : 430
Ln : 210 Col : 17 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

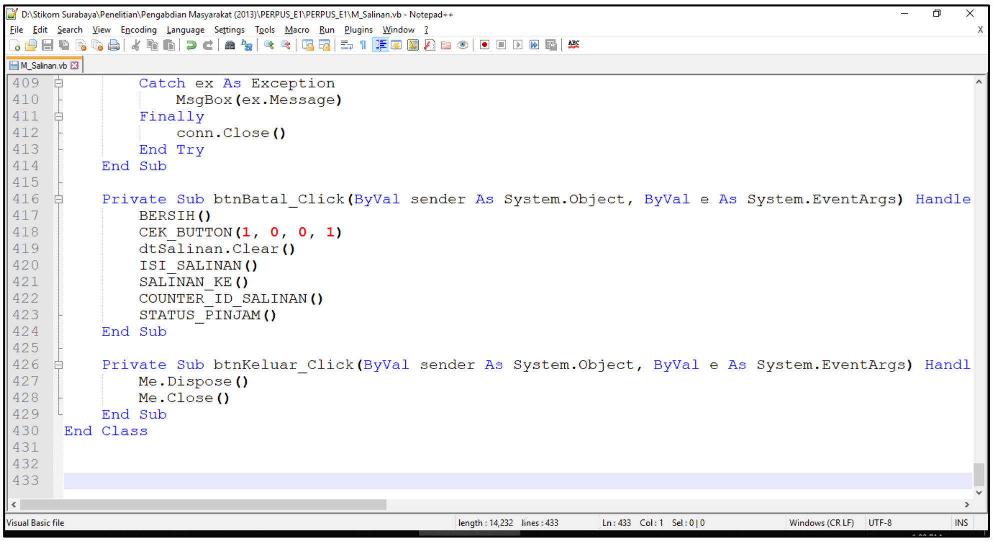
```
        Finally
            conn.Close()
            BERSIH()
            dtSalinan.Clear()
            ISI_SALINAN()
            SALINAN_KE()
            COUNTER_ID_SALINAN()
            STATUS_PINJAM()
        End Try
    End Sub

    Private Sub btnUbah_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
        Try
            pil = MessageBox.Show("Ubah Data?", ".: Konfirmasi Ubah Data :.", MessageBoxButtons.O
            If pil = 1 Then 'PILIH OK

                status = CEK_STATUS_PINJAM(rbTidakDipinjam)
                kondisi = CEK_KONDISI_KOLEKSI(rbBaik)

                conn.Open()

                If kondisi = 0 Then
                    comm.CommandText = "UPDATE SALINAN SET ID_RAK = " & id_rak & ", ID_KOLEKSI =
                               "WHERE ID_SALINAN = " & lblID.Text
                Else
                    comm.CommandText = "UPDATE SALINAN SET ID_RAK = " & id_rak & ", ID_KOLEKSI =
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Salinan.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Salinan.vb
Visual Basic file
length : 14,226 lines : 430
Ln : 210 Col : 17 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

```
                Else
                    comm.CommandText = "UPDATE SALINAN SET ID_RAK = " & id_rak & ", ID_KOLEKSI =
                               "WHERE ID_SALINAN = " & lblID.Text
                End If
                comm.Connection = conn

                comm.ExecuteScalar()

                MessageBox.Show("Data berhasil dirubah", ".: Sukses :.", MessageBoxButtons.OK, Me
                CEK_BUTTON(1, 0, 0, 1)
            Else
            End If
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
            BERSIH()
            dtSalinan.Clear()
            ISI_SALINAN()
            SALINAN_KE()
            COUNTER_ID_SALINAN()
            STATUS_PINJAM()
        End Try
    End Sub

    Private Sub btnHapus_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
```

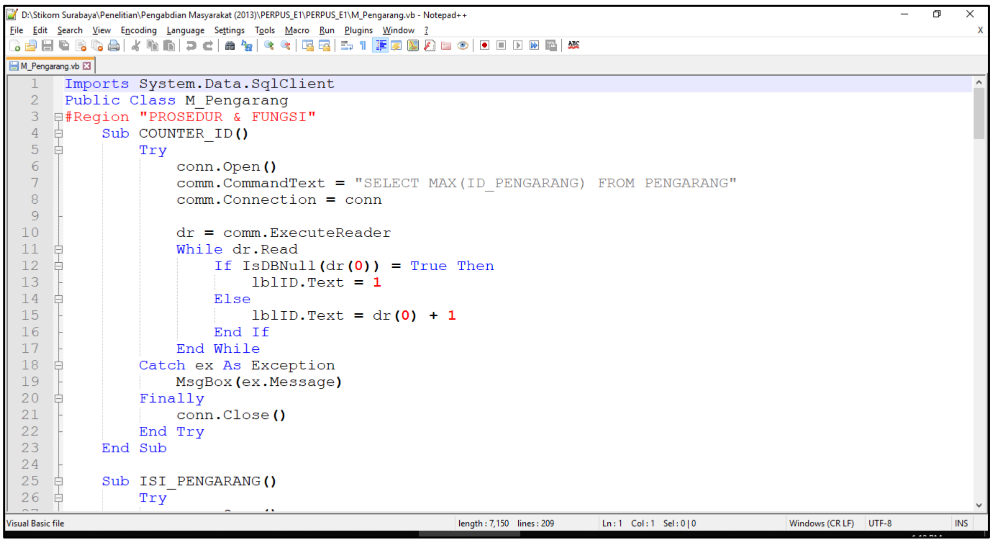

D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Salinan.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Salinan.vb
Visual Basic file
length : 14,226 lines : 430
Ln : 210 Col : 17 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

```

    Private Sub btnHapus_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
        Try
            pil = MessageBox.Show("Hapus Data?", ".: Konfirmasi Hapus Data :.", MessageBoxButtons
            If pil = 1 Then 'PILIH OK
                conn.Open()
                comm.CommandText = "DELETE FROM SALINAN " & _
                                "WHERE ID_SALINAN =" & lblID.Text & ""
                comm.Connection = conn

                comm.ExecuteScalar()

                MessageBox.Show("Data berhasil dihapus", ".: Sukses :.", MessageBoxButtons.OK, Me
                CEK_BUTTON(1, 0, 0, 1)
                conn.Close()

                BERSIH()
                dtSalinan.Clear()
                ISI_SALINAN()
                SALINAN_KE()
                COUNTER_ID_SALINAN()
                STATUS_PINJAM()
            Else
            End If
        Catch ex As Exception
            MsgBox(ex.Message)
```

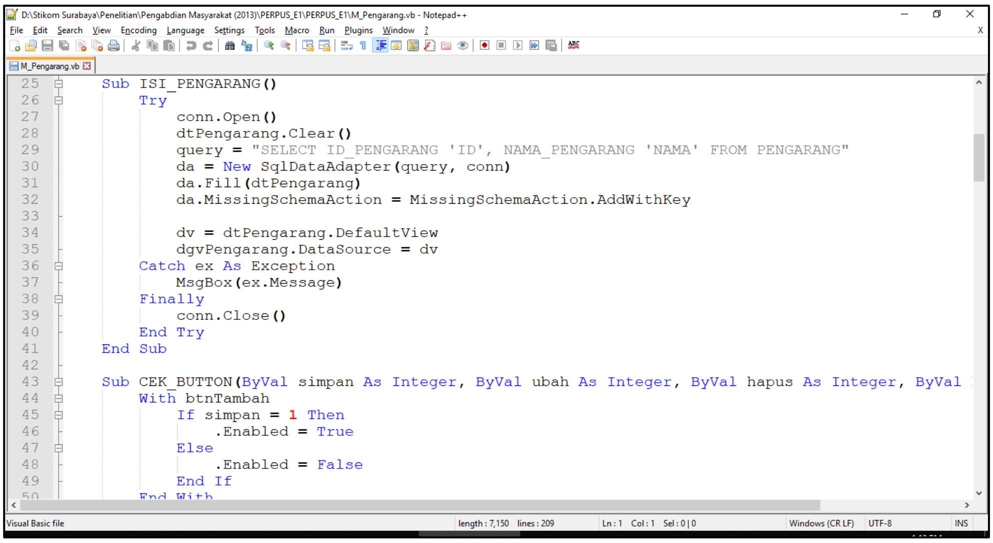

D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Salinan.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Salinan.vb
Visual Basic file
length : 14,232 lines : 433
Ln : 433 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

```
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub

    Private Sub btnBatal_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
        BERSIH()
        CEK_BUTTON(1, 0, 0, 1)
        dtSalinan.Clear()
        ISI_SALINAN()
        SALINAN_KE()
        COUNTER_ID_SALINAN()
        STATUS_PINJAM()
    End Sub

    Private Sub btnKeluar_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handl
        Me.Dispose()
        Me.Close()
    End Sub
End Class



```

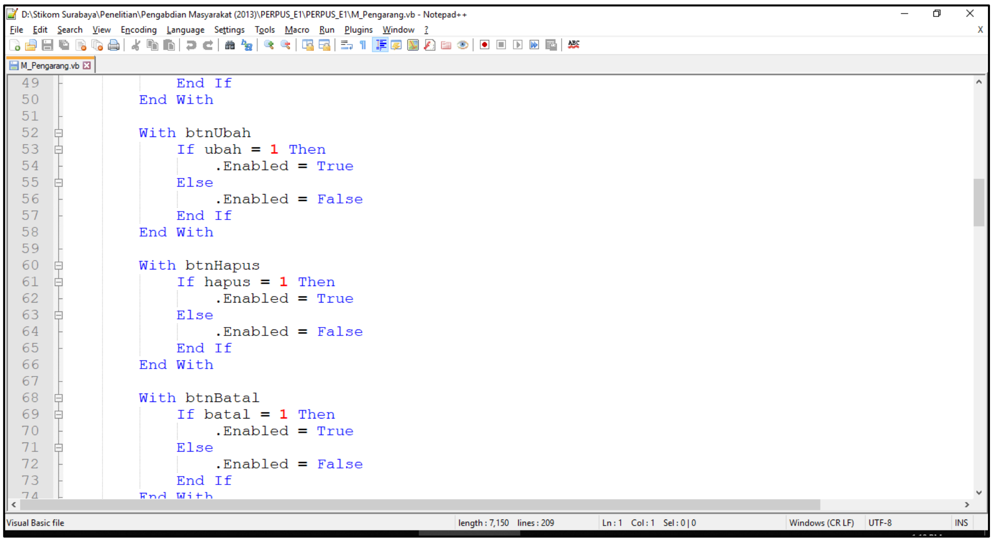
7. Form Master Pengarang


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Pengarang.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Pengarang.vb
Visual Basic file
length : 7,150 lines : 209
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

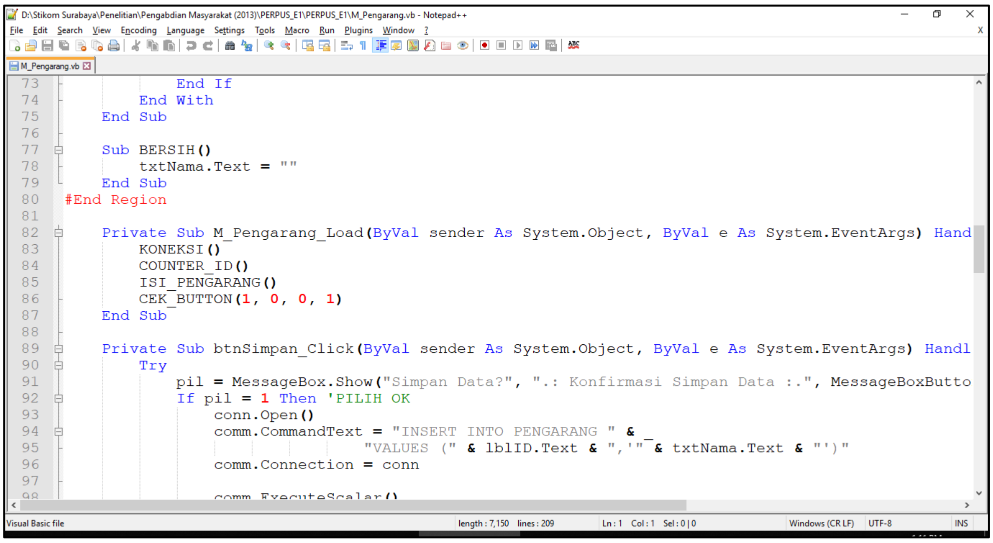
```
Imports System.Data.SqlClient
Public Class M_Pengarang
#Region "PROSEDUR & FUNGSI"
    Sub COUNTER_ID()
        Try
            conn.Open()
            comm.CommandText = "SELECT MAX(ID_PENGARANG) FROM PENGARANG"
            comm.Connection = conn

            dr = comm.ExecuteReader
            While dr.Read
                If IsDBNull(dr(0)) = True Then
                    lblID.Text = 1
                Else
                    lblID.Text = dr(0) + 1
                End If
            End While
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub

    Sub ISI_PENGARANG()
        Try
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Pengarang.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Pengarang.vb
Visual Basic file
length : 7,150 lines : 209
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

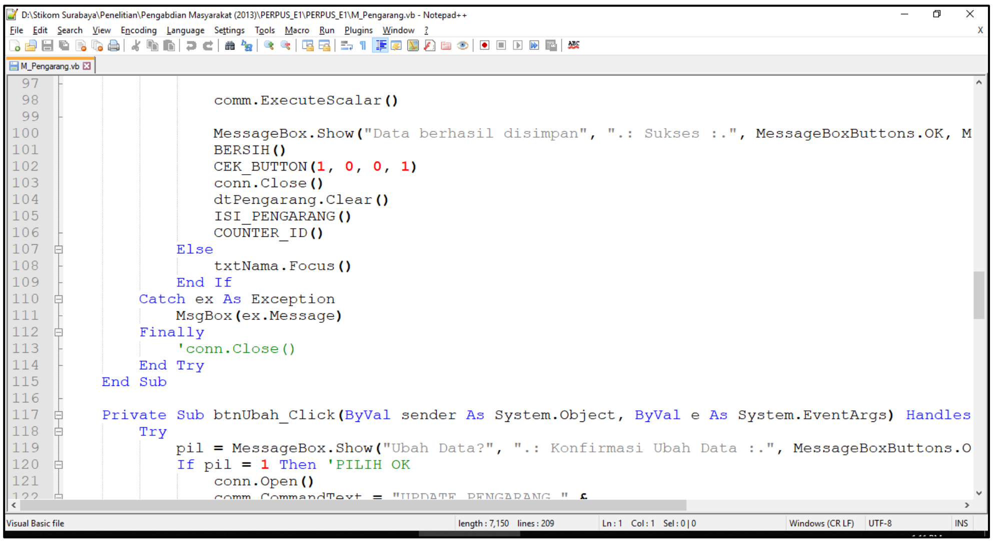
```vb
    Sub ISI_PENGARANG()
        Try
            conn.Open()
            dtPengarang.Clear()
            query = "SELECT ID_PENGARANG 'ID', NAMA_PENGARANG 'NAMA' FROM PENGARANG"
            da = New SqlDataAdapter(query, conn)
            da.Fill(dtPengarang)
            da.MissingSchemaAction = MissingSchemaAction.AddWithKey

            dv = dtPengarang.DefaultView
            dgvPengarang.DataSource = dv
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub

    Sub CEK_BUTTON(ByVal simpan As Integer, ByVal ubah As Integer, ByVal hapus As Integer, ByVal
        With btnTambah
            If simpan = 1 Then
                .Enabled = True
            Else
                .Enabled = False
            End If
        End With
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Pengarang.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Pengarang.vb
Visual Basic file
length : 7,150 lines : 209
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

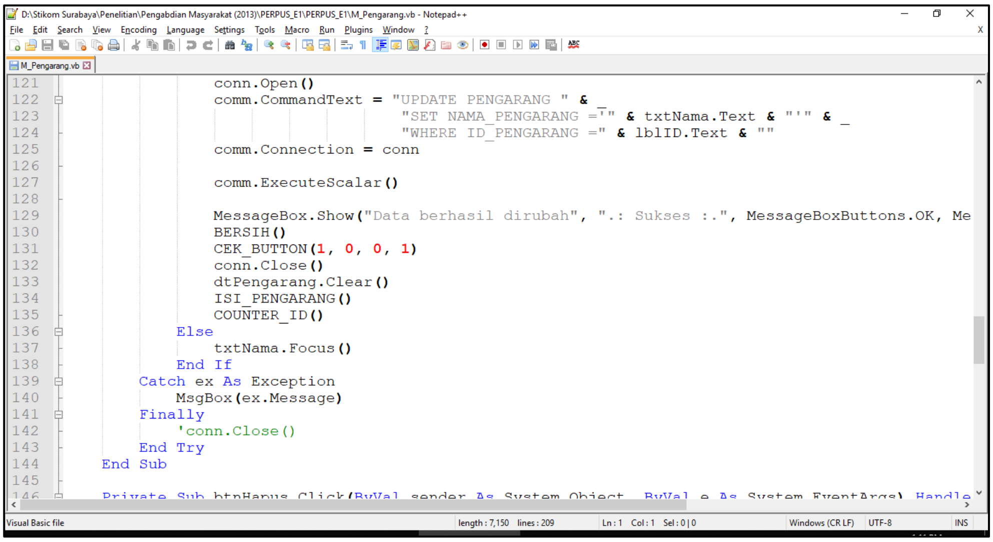
```vb
            End If
        End With

        With btnUbah
            If ubah = 1 Then
                .Enabled = True
            Else
                .Enabled = False
            End If
        End With

        With btnHapus
            If hapus = 1 Then
                .Enabled = True
            Else
                .Enabled = False
            End If
        End With

        With btnBatal
            If batal = 1 Then
                .Enabled = True
            Else
                .Enabled = False
            End If
        End With
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Pengarang.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Pengarang.vb
Visual Basic file
length : 7,150 lines : 209
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

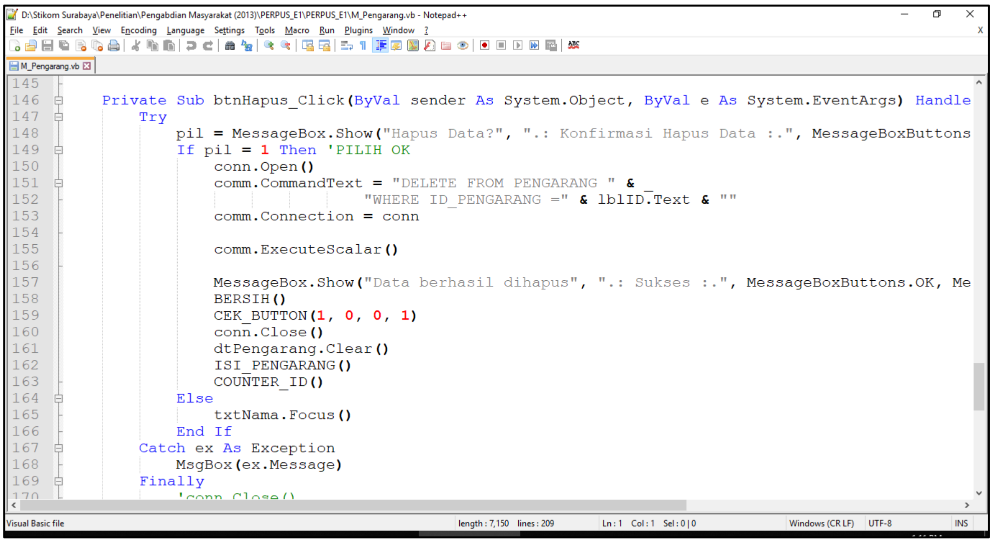
```vb
            End If
        End With
    End Sub

    Sub BERSIH()
        txtNama.Text = ""
    End Sub
#End Region

    Private Sub M_Pengarang_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Hand
        KONEKSI()
        COUNTER_ID()
        ISI_PENGARANG()
        CEK_BUTTON(1, 0, 0, 1)
    End Sub

    Private Sub btnSimpan_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handl
        Try
            pil = MessageBox.Show("Simpan Data?", ".: Konfirmasi Simpan Data :.", MessageBoxButto
            If pil = 1 Then 'PILIH OK
                conn.Open()
                comm.CommandText = "INSERT INTO PENGARANG " & _
                                   "VALUES (" & lblID.Text & ",'" & txtNama.Text & "')"
                comm.Connection = conn

                comm.ExecuteScalar()
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Pengarang.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Pengarang.vb
Visual Basic file
length : 7,150 lines : 209
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

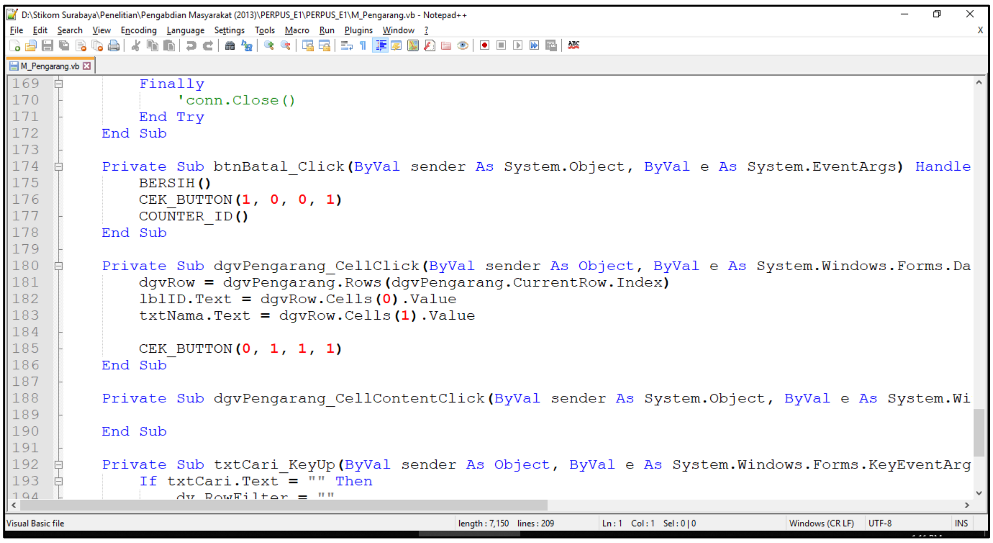
```

                comm.ExecuteScalar()

                MessageBox.Show("Data berhasil disimpan", ".: Sukses :.", MessageBoxButtons.OK, M
                BERSIH()
                CEK_BUTTON(1, 0, 0, 1)
                conn.Close()
                dtPengarang.Clear()
                ISI_PENGARANG()
                COUNTER_ID()
            Else
                txtNama.Focus()
            End If
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            'conn.Close()
        End Try
    End Sub

    Private Sub btnUbah_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
        Try
            pil = MessageBox.Show("Ubah Data?", ".: Konfirmasi Ubah Data :.", MessageBoxButtons.O
            If pil = 1 Then 'PILIH OK
                conn.Open()
                comm.CommandText = "UPDATE PENGARANG " &
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Pengarang.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Pengarang.vb
Visual Basic file
length : 7,150 lines : 209
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

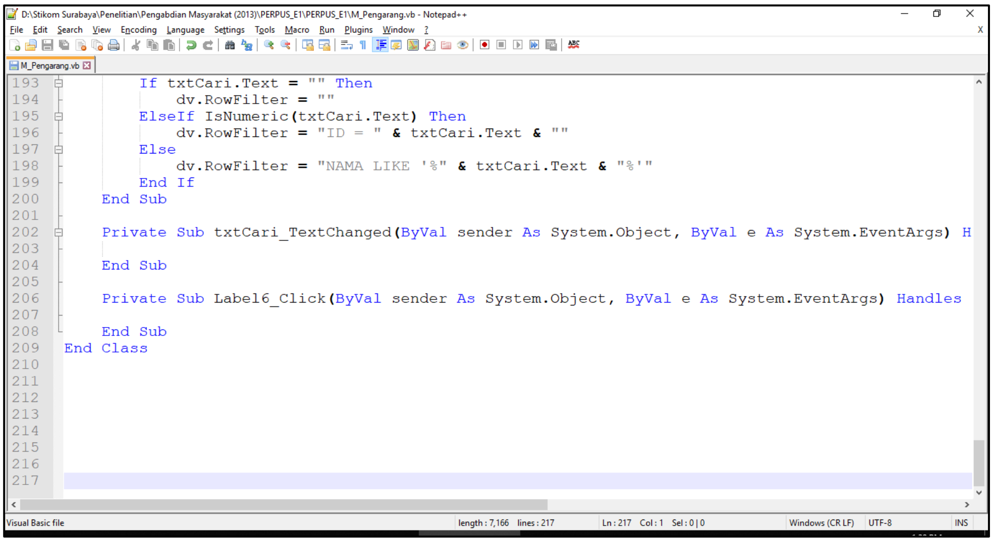
```
                conn.Open()
                comm.CommandText = "UPDATE PENGARANG " & _
                                    "SET NAMA_PENGARANG ='" & txtNama.Text & "'" & _
                                    "WHERE ID_PENGARANG =" & lblID.Text & ""
                comm.Connection = conn

                comm.ExecuteScalar()

                MessageBox.Show("Data berhasil dirubah", ".: Sukses :.", MessageBoxButtons.OK, Me
                BERSIH()
                CEK_BUTTON(1, 0, 0, 1)
                conn.Close()
                dtPengarang.Clear()
                ISI_PENGARANG()
                COUNTER_ID()
            Else
                txtNama.Focus()
            End If
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            'conn.Close()
        End Try
    End Sub

    Private Sub btnHapus_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Pengarang.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Pengarang.vb
Visual Basic file
length : 7,150 lines : 209
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

```

    Private Sub btnHapus_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
        Try
            pil = MessageBox.Show("Hapus Data?", ".: Konfirmasi Hapus Data :.", MessageBoxButtons
            If pil = 1 Then 'PILIH OK
                conn.Open()
                comm.CommandText = "DELETE FROM PENGARANG " & _
                                "WHERE ID_PENGARANG =" & lblID.Text & ""
                comm.Connection = conn

                comm.ExecuteScalar()

                MessageBox.Show("Data berhasil dihapus", ".: Sukses :.", MessageBoxButtons.OK, Me
                BERSIH()
                CEK_BUTTON(1, 0, 0, 1)
                conn.Close()
                dtPengarang.Clear()
                ISI_PENGARANG()
                COUNTER_ID()
            Else
                txtNama.Focus()
            End If
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            'conn.Close()
```

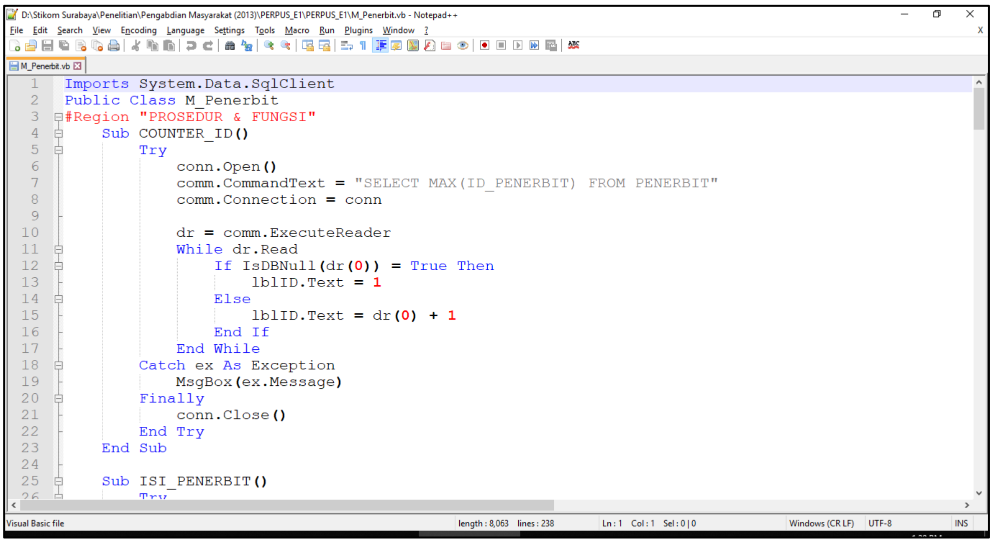

D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Pengarang.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Pengarang.vb
Visual Basic file
length : 7,150 lines : 209
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

```vb
        Finally
            'conn.Close()
        End Try
    End Sub

    Private Sub btnBatal_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
        BERSIH()
        CEK_BUTTON(1, 0, 0, 1)
        COUNTER_ID()
    End Sub

    Private Sub dgvPengarang_CellClick(ByVal sender As Object, ByVal e As System.Windows.Forms.Da
        dgvRow = dgvPengarang.Rows(dgvPengarang.CurrentRow.Index)
        lblID.Text = dgvRow.Cells(0).Value
        txtNama.Text = dgvRow.Cells(1).Value

        CEK_BUTTON(0, 1, 1, 1)
    End Sub

    Private Sub dgvPengarang_CellContentClick(ByVal sender As System.Object, ByVal e As System.Wi

    End Sub

    Private Sub txtCari_KeyUp(ByVal sender As Object, ByVal e As System.Windows.Forms.KeyEventArg
        If txtCari.Text = "" Then
            dv.RowFilter = ""
```

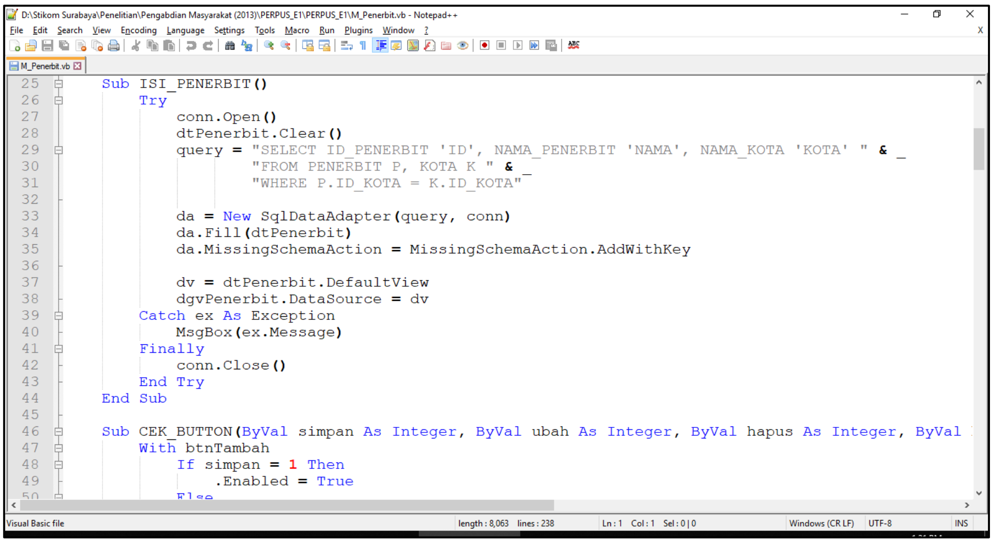

D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Pengarang.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Pengarang.vb
Visual Basic file
length : 7,166 lines : 217
Ln : 217 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

```vb
        If txtCari.Text = "" Then
            dv.RowFilter = ""
        ElseIf IsNumeric(txtCari.Text) Then
            dv.RowFilter = "ID = " & txtCari.Text & ""
        Else
            dv.RowFilter = "NAMA LIKE '%" & txtCari.Text & "%'"
        End If
    End Sub

    Private Sub txtCari_TextChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) H

    End Sub

    Private Sub Label6_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles

    End Sub
End Class
```

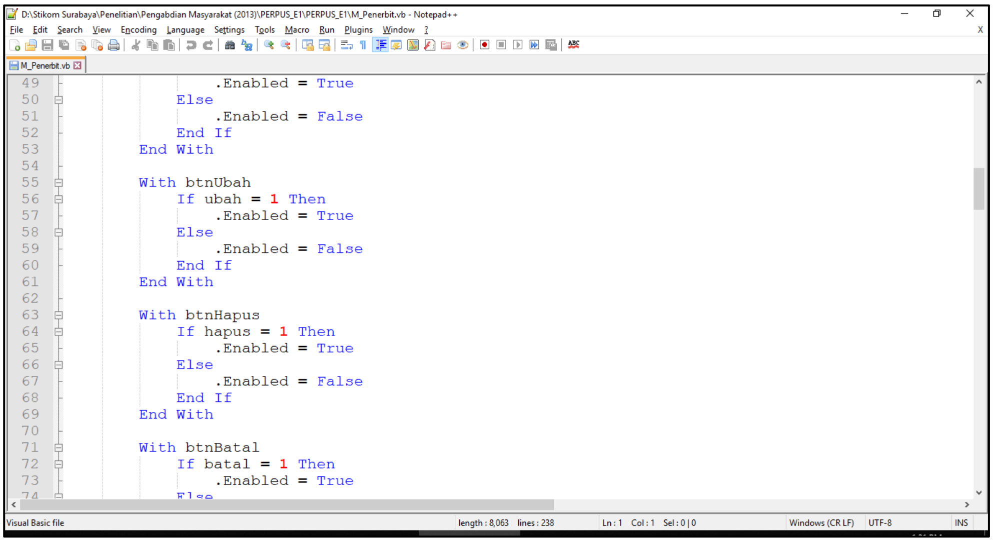
8. Form Master Penerbit


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Penerbit.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Penerbit.vb
Visual Basic file
length : 8,063 lines : 238
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

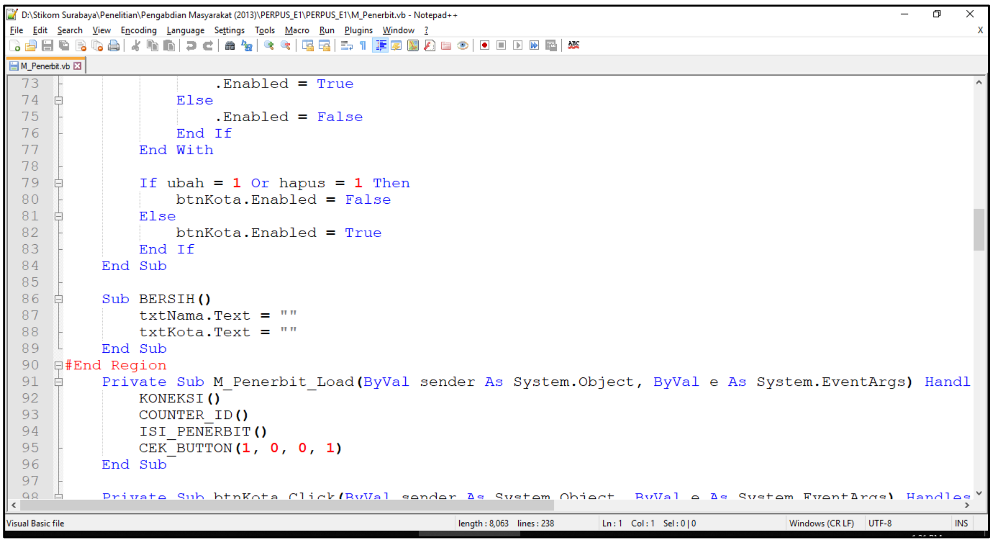
```vb
Imports System.Data.SqlClient
Public Class M_Penerbit
#Region "PROSEDUR & FUNGSI"
    Sub COUNTER_ID()
        Try
            conn.Open()
            comm.CommandText = "SELECT MAX(ID_PENERBIT) FROM PENERBIT"
            comm.Connection = conn

            dr = comm.ExecuteReader
            While dr.Read
                If IsDBNull(dr(0)) = True Then
                    lblID.Text = 1
                Else
                    lblID.Text = dr(0) + 1
                End If
            End While
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub

    Sub ISI_PENERBIT()
        Try
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Penerbit.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Penerbit.vb
Visual Basic file
length : 8,063 lines : 238
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

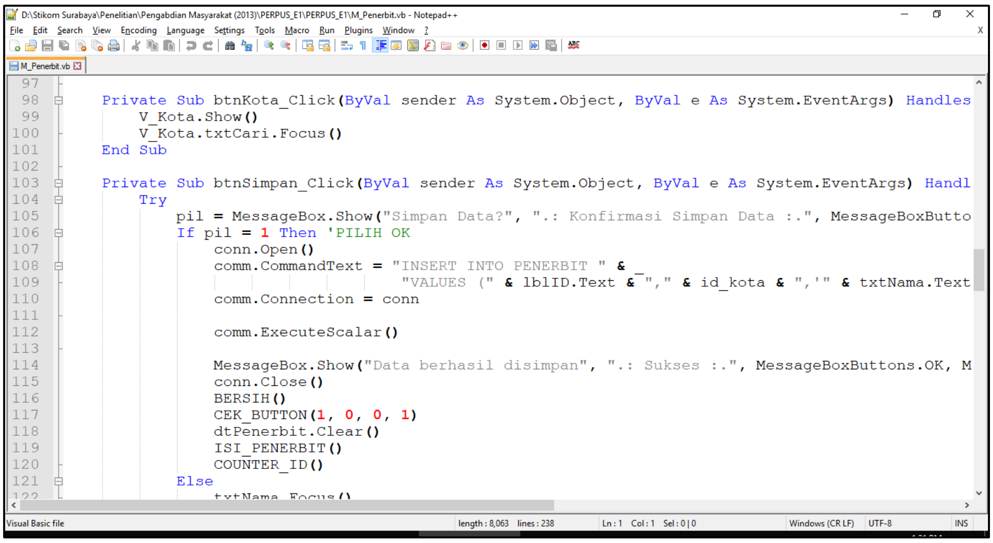
```
    Sub ISI_PENERBIT()
        Try
            conn.Open()
            dtPenerbit.Clear()
            query = "SELECT ID_PENERBIT 'ID', NAMA_PENERBIT 'NAMA', NAMA_KOTA 'KOTA' " & _
                    "FROM PENERBIT P, KOTA K " & _
                    "WHERE P.ID_KOTA = K.ID_KOTA"

            da = New SqlDataAdapter(query, conn)
            da.Fill(dtPenerbit)
            da.MissingSchemaAction = MissingSchemaAction.AddWithKey

            dv = dtPenerbit.DefaultView
            dgvPenerbit.DataSource = dv
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub

    Sub CEK_BUTTON(ByVal simpan As Integer, ByVal ubah As Integer, ByVal hapus As Integer, ByVal
        With btnTambah
            If simpan = 1 Then
                .Enabled = True
            Else
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Penerbit.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Penerbit.vb
Visual Basic file
length : 8,063 lines : 238
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

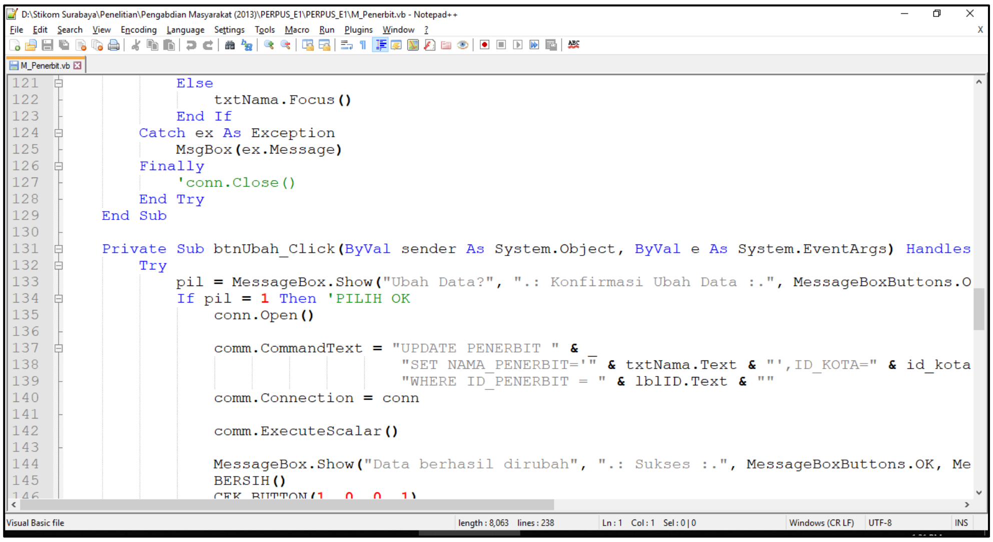
```
                .Enabled = True
            Else
                .Enabled = False
            End If
        End With

        With btnUbah
            If ubah = 1 Then
                .Enabled = True
            Else
                .Enabled = False
            End If
        End With

        With btnHapus
            If hapus = 1 Then
                .Enabled = True
            Else
                .Enabled = False
            End If
        End With

        With btnBatal
            If batal = 1 Then
                .Enabled = True
            Else
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Penerbit.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Penerbit.vb
Visual Basic file
length : 8,063 lines : 238
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

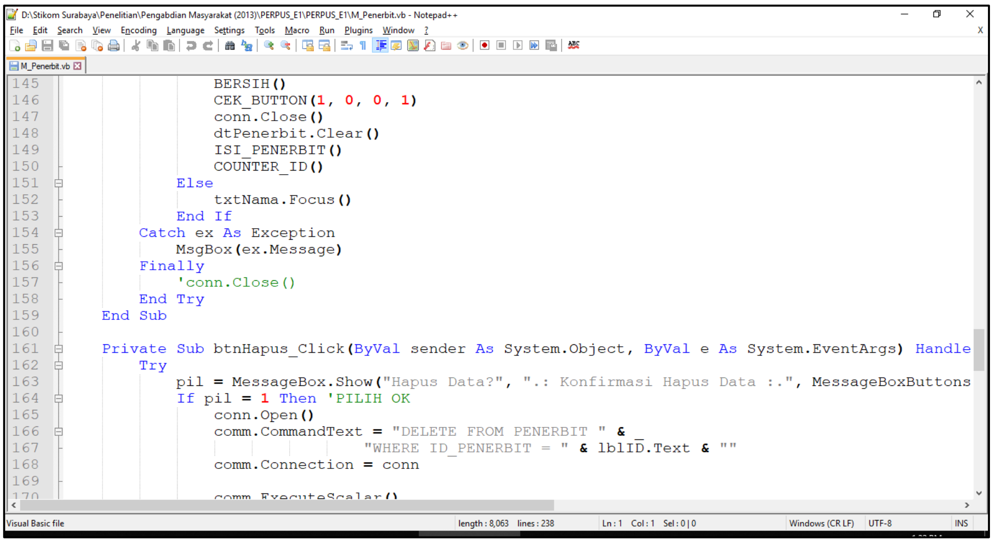
```
                .Enabled = True
            Else
                .Enabled = False
            End If
        End With

        If ubah = 1 Or hapus = 1 Then
            btnKota.Enabled = False
        Else
            btnKota.Enabled = True
        End If
    End Sub

    Sub BERSIH()
        txtNama.Text = ""
        txtKota.Text = ""
    End Sub
#End Region
    Private Sub M_Penerbit_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handl
        KONEKSI()
        COUNTER_ID()
        ISI_PENERBIT()
        CEK_BUTTON(1, 0, 0, 1)
    End Sub

    Private Sub btnKota_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Penerbit.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Penerbit.vb
Visual Basic file
length : 8,063 lines : 238
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

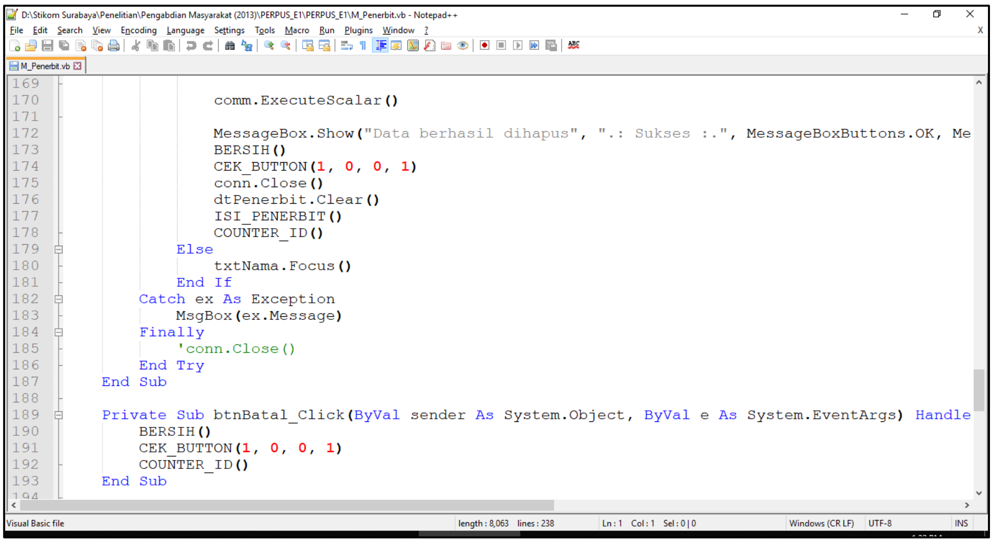
```vb

    Private Sub btnKota_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
        V_Kota.Show()
        V_Kota.txtCari.Focus()
    End Sub

    Private Sub btnSimpan_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handl
        Try
            pil = MessageBox.Show("Simpan Data?", ".: Konfirmasi Simpan Data :.", MessageBoxButto
            If pil = 1 Then 'PILIH OK
                conn.Open()
                comm.CommandText = "INSERT INTO PENERBIT " & _
                                    "VALUES (" & lblID.Text & "," & id_kota & ",'" & txtNama.Text
                comm.Connection = conn

                comm.ExecuteScalar()

                MessageBox.Show("Data berhasil disimpan", ".: Sukses :.", MessageBoxButtons.OK, M
                conn.Close()
                BERSIH()
                CEK_BUTTON(1, 0, 0, 1)
                dtPenerbit.Clear()
                ISI_PENERBIT()
                COUNTER_ID()
            Else
                txtNama.Focus()
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Penerbit.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Penerbit.vb
Visual Basic file
length : 8,063 lines : 238
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

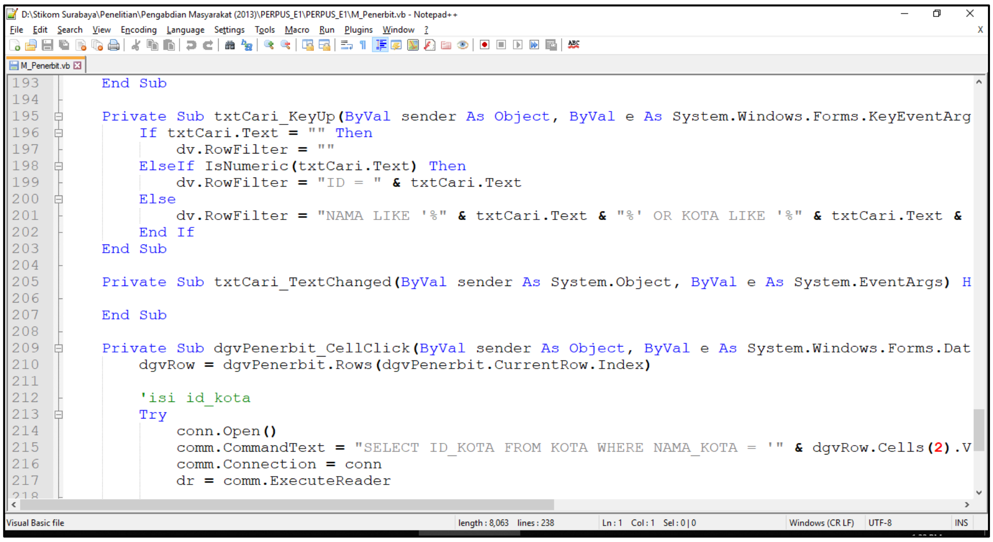
```vb
            Else
                txtNama.Focus()
            End If
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            'conn.Close()
        End Try
    End Sub

    Private Sub btnUbah_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
        Try
            pil = MessageBox.Show("Ubah Data?", ".: Konfirmasi Ubah Data :.", MessageBoxButtons.O
            If pil = 1 Then 'PILIH OK
                conn.Open()

                comm.CommandText = "UPDATE PENERBIT " & _
                                    "SET NAMA_PENERBIT='" & txtNama.Text & "',ID_KOTA=" & id_kota
                                    "WHERE ID_PENERBIT = " & lblID.Text & ""
                comm.Connection = conn

                comm.ExecuteScalar()

                MessageBox.Show("Data berhasil dirubah", ".: Sukses :.", MessageBoxButtons.OK, Me
                BERSIH()
                CEK_BUTTON(1, 0, 0, 1)
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Penerbit.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Penerbit.vb
Visual Basic file
length : 8,063 lines : 238
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

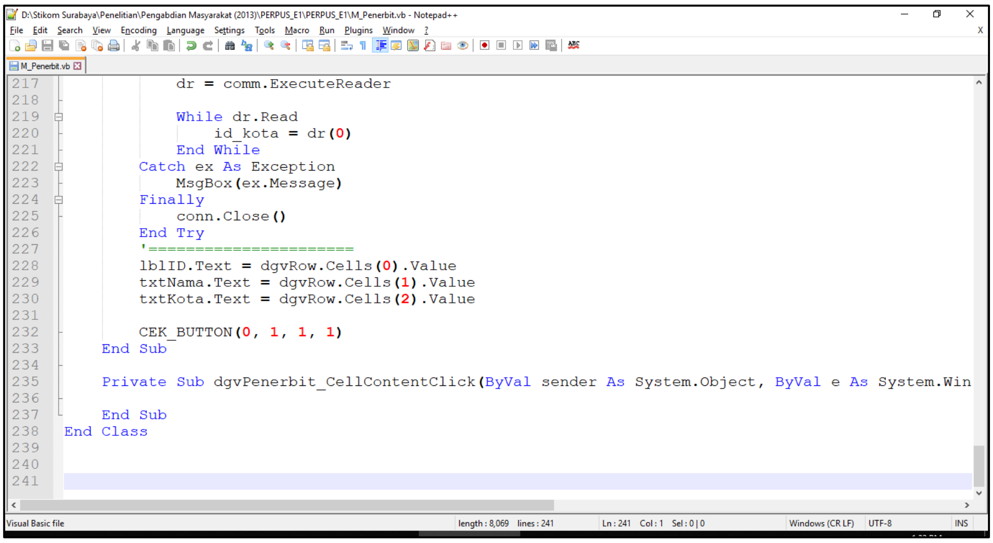
```vb
                BERSIH()
                CEK_BUTTON(1, 0, 0, 1)
                conn.Close()
                dtPenerbit.Clear()
                ISI_PENERBIT()
                COUNTER_ID()
            Else
                txtNama.Focus()
            End If
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            'conn.Close()
        End Try
    End Sub

    Private Sub btnHapus_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
        Try
            pil = MessageBox.Show("Hapus Data?", ".: Konfirmasi Hapus Data :.", MessageBoxButtons
            If pil = 1 Then 'PILIH OK
                conn.Open()
                comm.CommandText = "DELETE FROM PENERBIT " & _
                                "WHERE ID_PENERBIT = " & lblID.Text & ""
                comm.Connection = conn

                comm.ExecuteScalar()
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Penerbit.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Penerbit.vb
Visual Basic file
length : 8,063 lines : 238
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

```
                comm.ExecuteScalar()

                MessageBox.Show("Data berhasil dihapus", ".: Sukses :.", MessageBoxButtons.OK, Me
                BERSIH()
                CEK_BUTTON(1, 0, 0, 1)
                conn.Close()
                dtPenerbit.Clear()
                ISI_PENERBIT()
                COUNTER_ID()
            Else
                txtNama.Focus()
            End If
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            'conn.Close()
        End Try
    End Sub

    Private Sub btnBatal_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
        BERSIH()
        CEK_BUTTON(1, 0, 0, 1)
        COUNTER_ID()
    End Sub
```

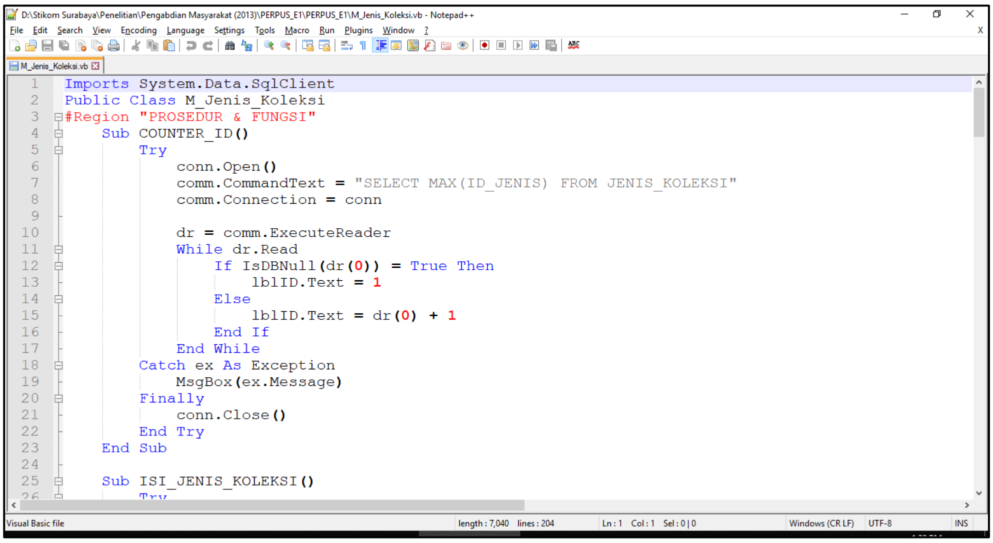

D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Penerbit.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Penerbit.vb
Visual Basic file
length : 8,063 lines : 238
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

```
    End Sub

    Private Sub txtCari_KeyUp(ByVal sender As Object, ByVal e As System.Windows.Forms.KeyEventArg
        If txtCari.Text = "" Then
            dv.RowFilter = ""
        ElseIf IsNumeric(txtCari.Text) Then
            dv.RowFilter = "ID = " & txtCari.Text
        Else
            dv.RowFilter = "NAMA LIKE '%" & txtCari.Text & "%' OR KOTA LIKE '%" & txtCari.Text &
        End If
    End Sub

    Private Sub txtCari_TextChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) H

    End Sub

    Private Sub dgvPenerbit_CellClick(ByVal sender As Object, ByVal e As System.Windows.Forms.Dat
        dgvRow = dgvPenerbit.Rows(dgvPenerbit.CurrentRow.Index)

        'isi id_kota
        Try
            conn.Open()
            comm.CommandText = "SELECT ID_KOTA FROM KOTA WHERE NAMA_KOTA = '" & dgvRow.Cells(2).V
            comm.Connection = conn
            dr = comm.ExecuteReader
```

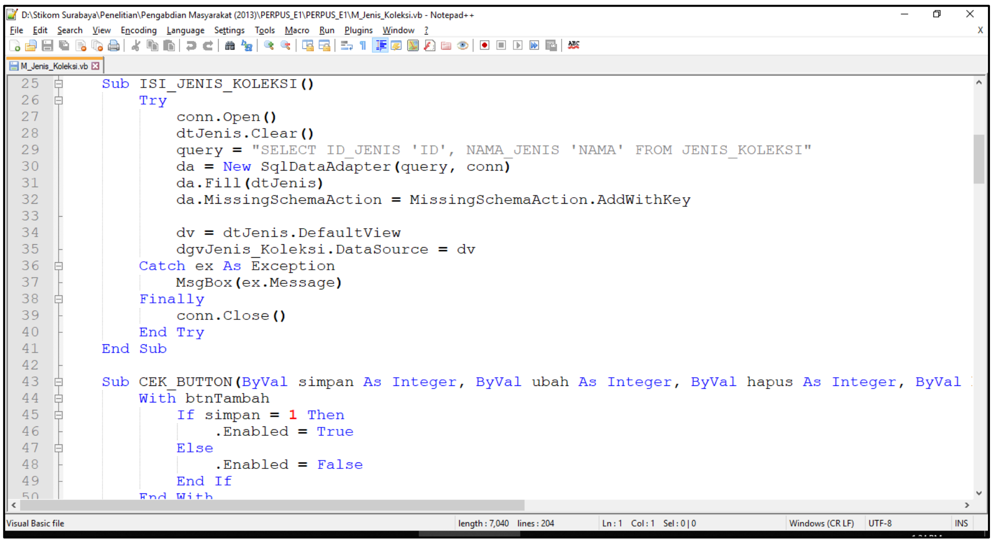

D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Penerbit.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Penerbit.vb
Visual Basic file
length : 8,069 lines : 241
Ln : 241 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

```
            dr = comm.ExecuteReader

            While dr.Read
                id_kota = dr(0)
            End While
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
        '======================
        lblID.Text = dgvRow.Cells(0).Value
        txtNama.Text = dgvRow.Cells(1).Value
        txtKota.Text = dgvRow.Cells(2).Value

        CEK_BUTTON(0, 1, 1, 1)
    End Sub

    Private Sub dgvPenerbit_CellContentClick(ByVal sender As System.Object, ByVal e As System.Win

    End Sub
End Class
```

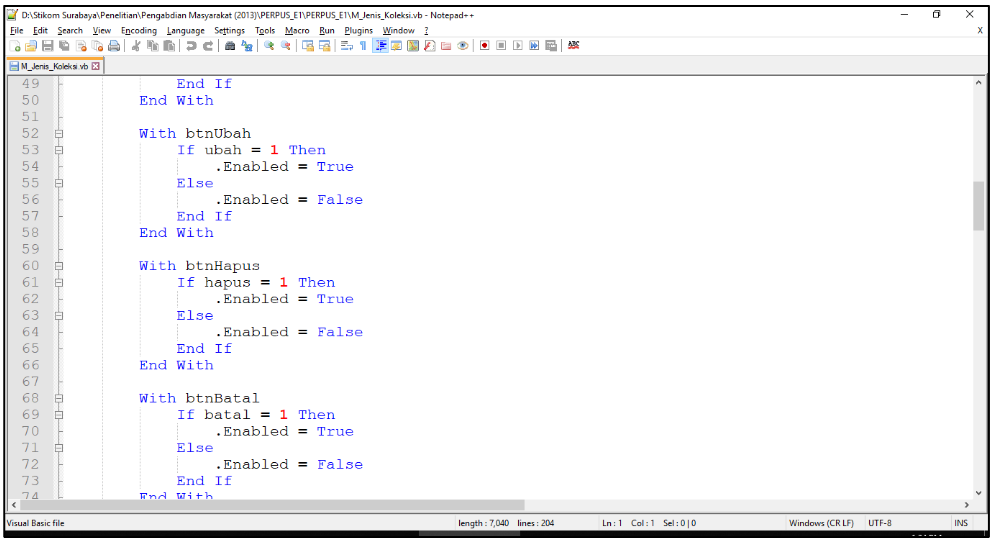
9. Form Jenis Koleksi


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Jenis_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Jenis_Koleksi.vb
Visual Basic file
length : 7,040 lines : 204
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

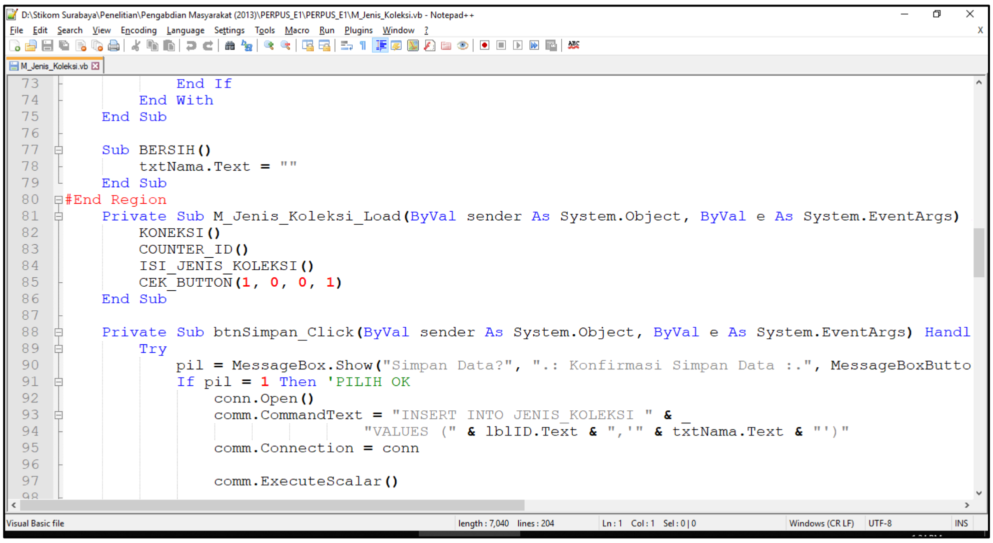
```
Imports System.Data.SqlClient
Public Class M_Jenis_Koleksi
#Region "PROSEDUR & FUNGSI"
    Sub COUNTER_ID()
        Try
            conn.Open()
            comm.CommandText = "SELECT MAX(ID_JENIS) FROM JENIS_KOLEKSI"
            comm.Connection = conn

            dr = comm.ExecuteReader
            While dr.Read
                If IsDBNull(dr(0)) = True Then
                    lblID.Text = 1
                Else
                    lblID.Text = dr(0) + 1
                End If
            End While
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub

    Sub ISI_JENIS_KOLEKSI()
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Jenis_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Jenis_Koleksi.vb
Visual Basic file
length : 7,040 lines : 204
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

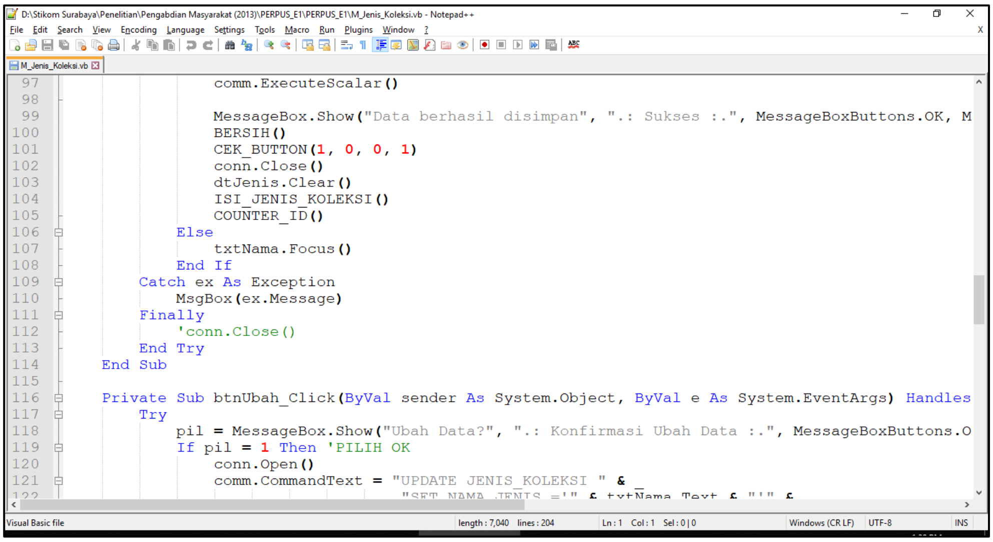
```
    Sub ISI_JENIS_KOLEKSI()
        Try
            conn.Open()
            dtJenis.Clear()
            query = "SELECT ID_JENIS 'ID', NAMA_JENIS 'NAMA' FROM JENIS_KOLEKSI"
            da = New SqlDataAdapter(query, conn)
            da.Fill(dtJenis)
            da.MissingSchemaAction = MissingSchemaAction.AddWithKey

            dv = dtJenis.DefaultView
            dgvJenis_Koleksi.DataSource = dv
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub

    Sub CEK_BUTTON(ByVal simpan As Integer, ByVal ubah As Integer, ByVal hapus As Integer, ByVal
        With btnTambah
            If simpan = 1 Then
                .Enabled = True
            Else
                .Enabled = False
            End If
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Jenis_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Jenis_Koleksi.vb
Visual Basic file
length : 7,040 lines : 204
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

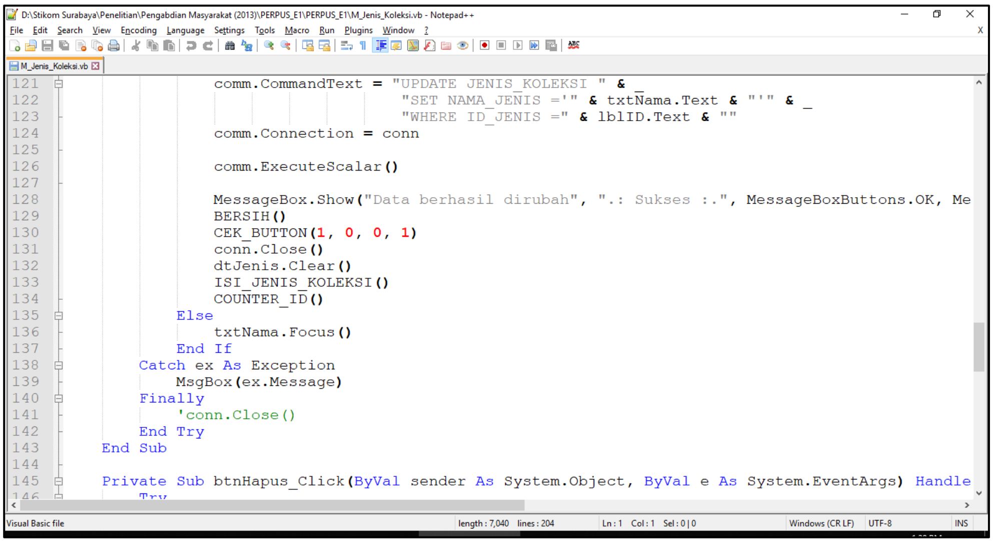
```
            End If
        End With

        With btnUbah
            If ubah = 1 Then
                .Enabled = True
            Else
                .Enabled = False
            End If
        End With

        With btnHapus
            If hapus = 1 Then
                .Enabled = True
            Else
                .Enabled = False
            End If
        End With

        With btnBatal
            If batal = 1 Then
                .Enabled = True
            Else
                .Enabled = False
            End If
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Jenis_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Jenis_Koleksi.vb
Visual Basic file
length : 7,040 lines : 204
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

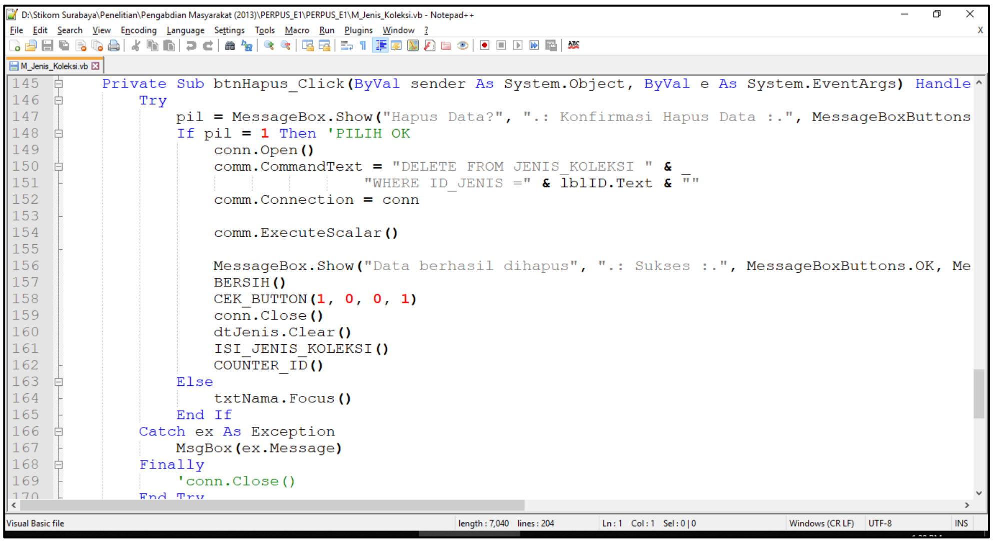
```
            End If
        End With
    End Sub

    Sub BERSIH()
        txtNama.Text = ""
    End Sub
#End Region
    Private Sub M_Jenis_Koleksi_Load(ByVal sender As System.Object, ByVal e As System.EventArgs)
        KONEKSI()
        COUNTER_ID()
        ISI_JENIS_KOLEKSI()
        CEK_BUTTON(1, 0, 0, 1)
    End Sub

    Private Sub btnSimpan_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handl
        Try
            pil = MessageBox.Show("Simpan Data?", ".: Konfirmasi Simpan Data :.", MessageBoxButto
            If pil = 1 Then 'PILIH OK
                conn.Open()
                comm.CommandText = "INSERT INTO JENIS_KOLEKSI " & _
                                "VALUES (" & lblID.Text & ",'" & txtNama.Text & "')"
                comm.Connection = conn

                comm.ExecuteScalar()
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Jenis_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Jenis_Koleksi.vb
Visual Basic file
length : 7,040 lines : 204
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

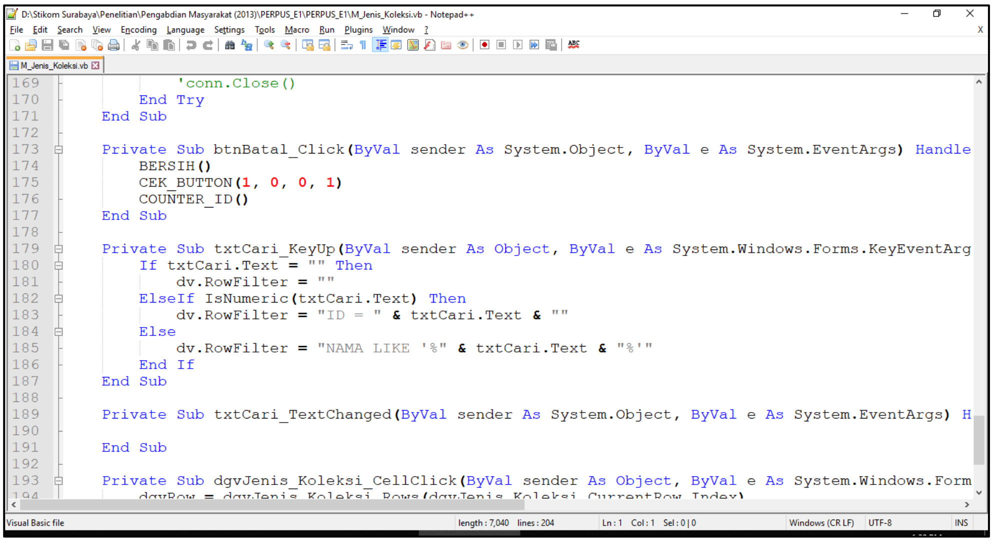
```
                comm.ExecuteScalar()

                MessageBox.Show("Data berhasil disimpan", ".: Sukses :.", MessageBoxButtons.OK, M
                BERSIH()
                CEK_BUTTON(1, 0, 0, 1)
                conn.Close()
                dtJenis.Clear()
                ISI_JENIS_KOLEKSI()
                COUNTER_ID()
            Else
                txtNama.Focus()
            End If
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            'conn.Close()
        End Try
    End Sub

    Private Sub btnUbah_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
        Try
            pil = MessageBox.Show("Ubah Data?", ".: Konfirmasi Ubah Data :.", MessageBoxButtons.O
            If pil = 1 Then 'PILIH OK
                conn.Open()
                comm.CommandText = "UPDATE JENIS_KOLEKSI " & _
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Jenis_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Jenis_Koleksi.vb
Visual Basic file
length : 7,040 lines : 204
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

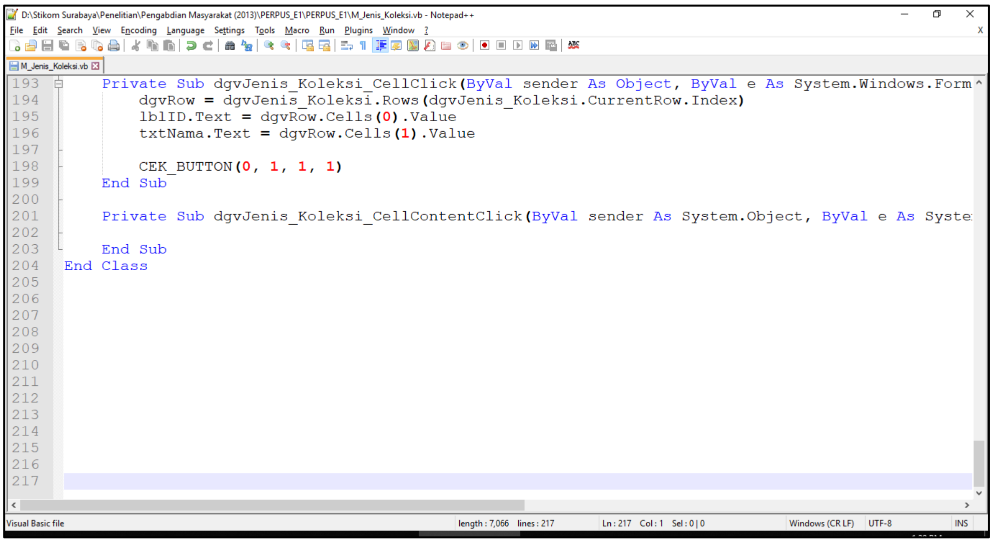
```
                comm.CommandText = "UPDATE JENIS_KOLEKSI " & _
                                    "SET NAMA_JENIS ='" & txtNama.Text & "'" & _
                                    "WHERE ID_JENIS =" & lblID.Text & ""
                comm.Connection = conn

                comm.ExecuteScalar()

                MessageBox.Show("Data berhasil dirubah", ".: Sukses :.", MessageBoxButtons.OK, Me
                BERSIH()
                CEK_BUTTON(1, 0, 0, 1)
                conn.Close()
                dtJenis.Clear()
                ISI_JENIS_KOLEKSI()
                COUNTER_ID()
            Else
                txtNama.Focus()
            End If
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            'conn.Close()
        End Try
    End Sub

    Private Sub btnHapus_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Jenis_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Jenis_Koleksi.vb
Visual Basic file
length : 7,040 lines : 204
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

```
    Private Sub btnHapus_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
        Try
            pil = MessageBox.Show("Hapus Data?", ".: Konfirmasi Hapus Data :.", MessageBoxButtons
            If pil = 1 Then 'PILIH OK
                conn.Open()
                comm.CommandText = "DELETE FROM JENIS_KOLEKSI " & _
                                "WHERE ID_JENIS =" & lblID.Text & ""
                comm.Connection = conn

                comm.ExecuteScalar()

                MessageBox.Show("Data berhasil dihapus", ".: Sukses :.", MessageBoxButtons.OK, Me
                BERSIH()
                CEK_BUTTON(1, 0, 0, 1)
                conn.Close()
                dtJenis.Clear()
                ISI_JENIS_KOLEKSI()
                COUNTER_ID()
            Else
                txtNama.Focus()
            End If
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            'conn.Close()
        End Try
```

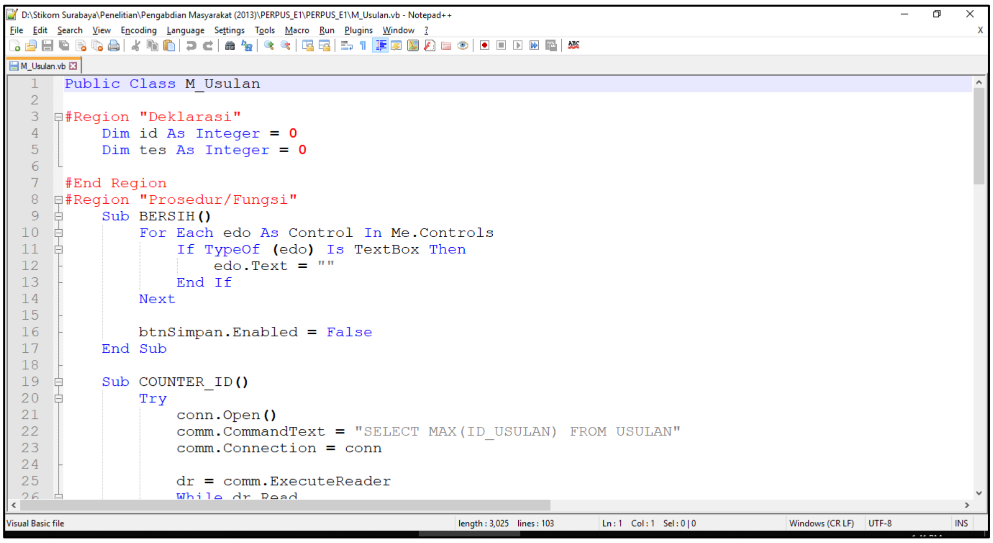

D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Jenis_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Jenis_Koleksi.vb
Visual Basic file
length : 7,040 lines : 204
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

```
            'conn.Close()
        End Try
    End Sub

    Private Sub btnBatal_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
        BERSIH()
        CEK_BUTTON(1, 0, 0, 1)
        COUNTER_ID()
    End Sub

    Private Sub txtCari_KeyUp(ByVal sender As Object, ByVal e As System.Windows.Forms.KeyEventArg
        If txtCari.Text = "" Then
            dv.RowFilter = ""
        ElseIf IsNumeric(txtCari.Text) Then
            dv.RowFilter = "ID = " & txtCari.Text & ""
        Else
            dv.RowFilter = "NAMA LIKE '%" & txtCari.Text & "%'"
        End If
    End Sub

    Private Sub txtCari_TextChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) H

    End Sub

    Private Sub dgvJenis_Koleksi_CellClick(ByVal sender As Object, ByVal e As System.Windows.Form
        dgvRow = dgvJenis_Koleksi.Rows(dgvJenis_Koleksi.CurrentRow.Index)
```

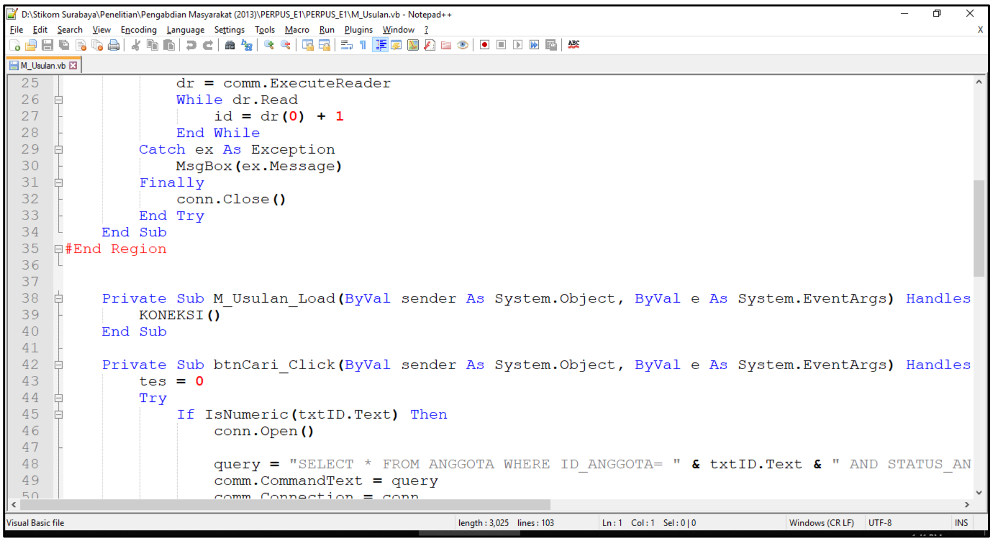

D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Jenis_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
M_Jenis_Koleksi.vb
Visual Basic file
length : 7,066 lines : 217
Ln : 217 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

```
    Private Sub dgvJenis_Koleksi_CellClick(ByVal sender As Object, ByVal e As System.Windows.Form
        dgvRow = dgvJenis_Koleksi.Rows(dgvJenis_Koleksi.CurrentRow.Index)
        lblID.Text = dgvRow.Cells(0).Value
        txtNama.Text = dgvRow.Cells(1).Value

        CEK_BUTTON(0, 1, 1, 1)
    End Sub

    Private Sub dgvJenis_Koleksi_CellContentClick(ByVal sender As System.Object, ByVal e As Syste

    End Sub
End Class
```

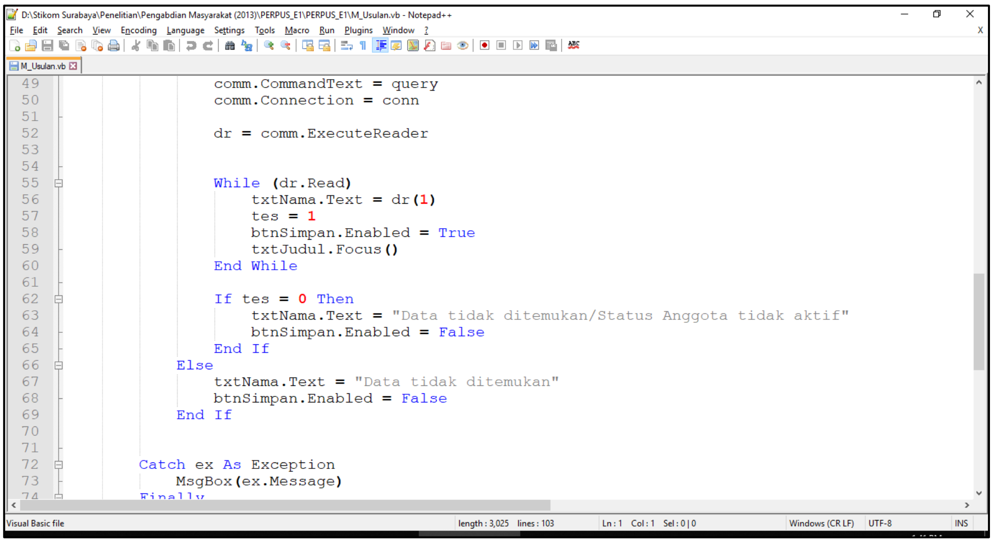
10. Form Persetujuan Usulan Buku


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Usulan.vb - Notepad++
M_Usulan.vb
Visual Basic file
length : 3,025 lines : 103
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

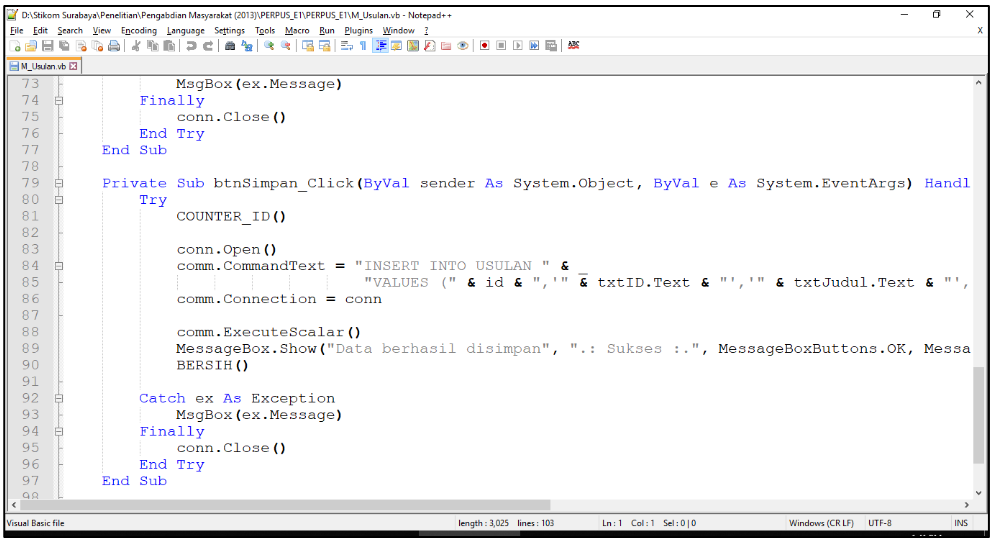
```
Public Class M_Usulan

#Region "Deklarasi"
    Dim id As Integer = 0
    Dim tes As Integer = 0

#End Region
#Region "Prosedur/Fungsi"
    Sub BERSIH()
        For Each edo As Control In Me.Controls
            If TypeOf (edo) Is TextBox Then
                edo.Text = ""
            End If
        Next

        btnSimpan.Enabled = False
    End Sub

    Sub COUNTER_ID()
        Try
            conn.Open()
            comm.CommandText = "SELECT MAX(ID_USULAN) FROM USULAN"
            comm.Connection = conn

            dr = comm.ExecuteReader
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Usulan.vb - Notepad++
M_Usulan.vb
Visual Basic file
length : 3,025 lines : 103
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

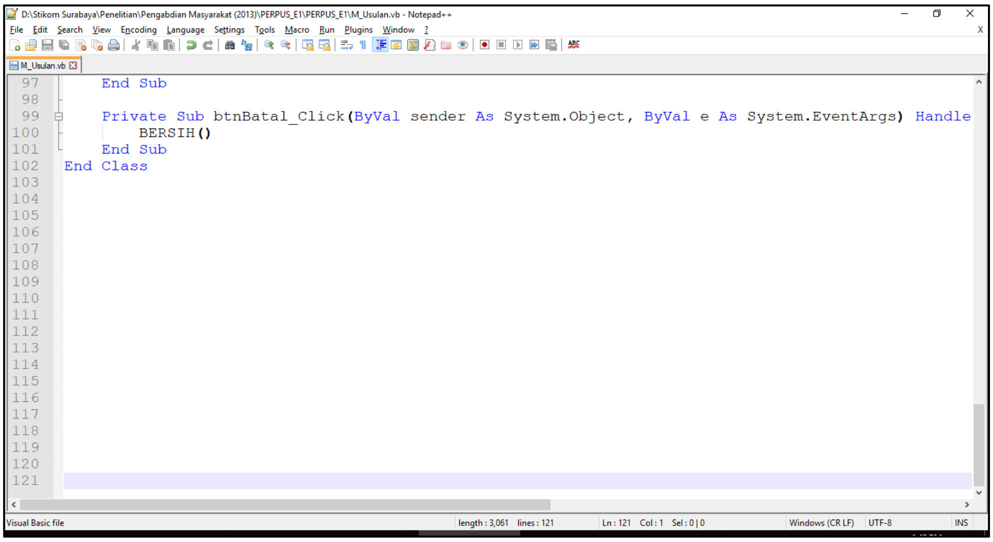
```
            dr = comm.ExecuteReader
            While dr.Read
                id = dr(0) + 1
            End While
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub
#End Region


    Private Sub M_Usulan_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
        KONEKSI()
    End Sub

    Private Sub btnCari_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
        tes = 0
        Try
            If IsNumeric(txtID.Text) Then
                conn.Open()

                query = "SELECT * FROM ANGGOTA WHERE ID_ANGGOTA= " & txtID.Text & " AND STATUS_AN
                comm.CommandText = query
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Usulan.vb - Notepad++
M_Usulan.vb
Visual Basic file
length : 3,025 lines : 103
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

```
                comm.CommandText = query
                comm.Connection = conn

                dr = comm.ExecuteReader


                While (dr.Read)
                    txtNama.Text = dr(1)
                    tes = 1
                    btnSimpan.Enabled = True
                    txtJudul.Focus()
                End While

                If tes = 0 Then
                    txtNama.Text = "Data tidak ditemukan/Status Anggota tidak aktif"
                    btnSimpan.Enabled = False
                End If
            Else
                txtNama.Text = "Data tidak ditemukan"
                btnSimpan.Enabled = False
            End If


        Catch ex As Exception
            MsgBox(ex.Message)
```

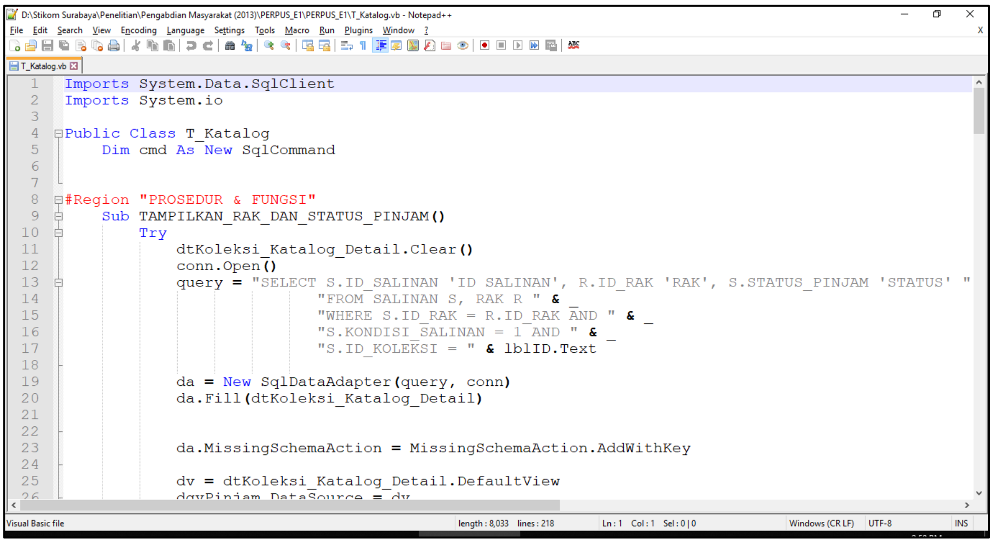


```
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub

    Private Sub btnSimpan_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handl
        Try
            COUNTER_ID()

            conn.Open()
            comm.CommandText = "INSERT INTO USULAN " & _
                               "VALUES (" & id & ",'" & txtID.Text & "','" & txtJudul.Text & "',
            comm.Connection = conn

            comm.ExecuteScalar()
            MessageBox.Show("Data berhasil disimpan", ".: Sukses :.", MessageBoxButtons.OK, Messa
            BERSIH()

        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub
```

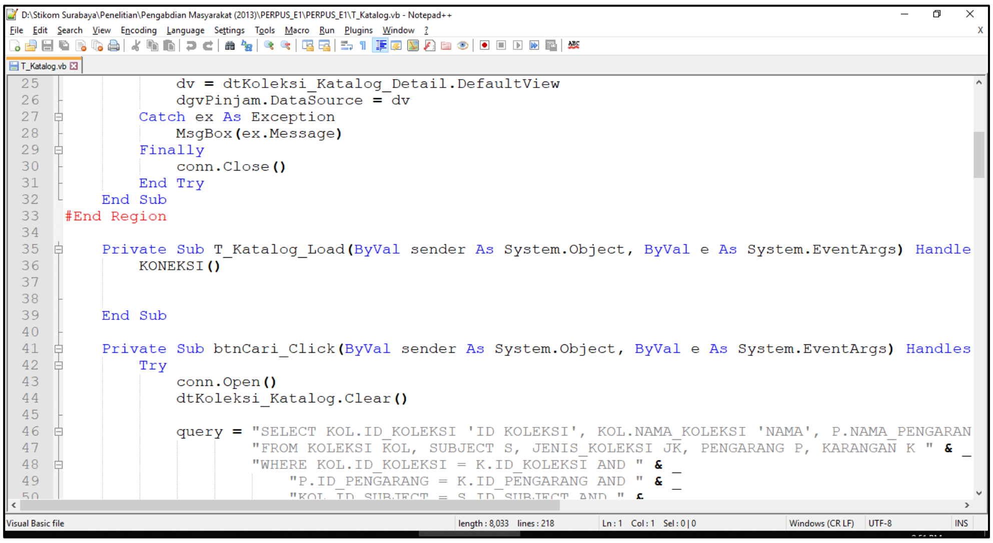


```
    End Sub

    Private Sub btnBatal_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
        BERSIH()
    End Sub
End Class
```

11. Form Katalog

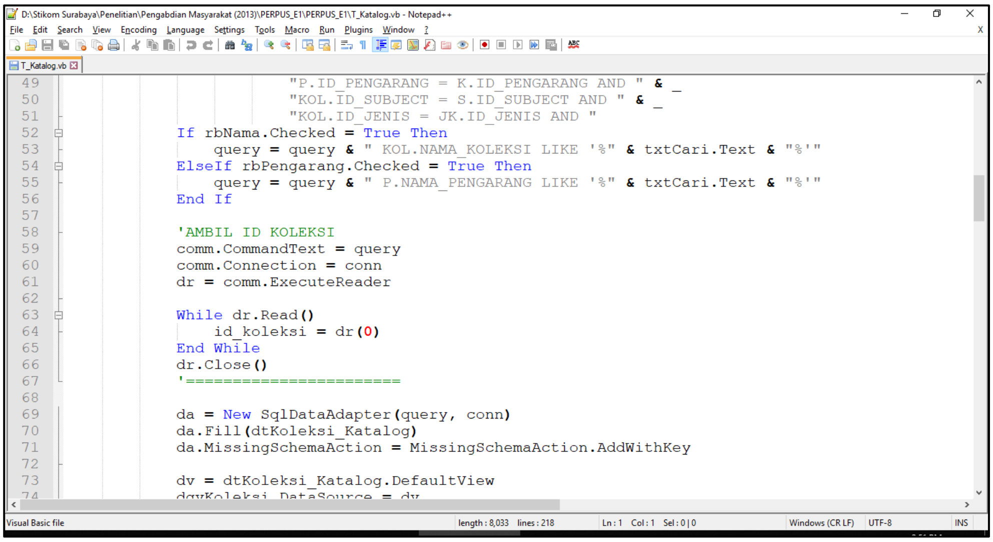


```
Imports System.Data.SqlClient
Imports System.io

Public Class T_Katalog
    Dim cmd As New SqlCommand


#Region "PROSEDUR & FUNGSI"
    Sub TAMPILKAN_RAK_DAN_STATUS_PINJAM()
        Try
            dtKoleksi_Katalog_Detail.Clear()
            conn.Open()
            query = "SELECT S.ID_SALINAN 'ID SALINAN', R.ID_RAK 'RAK', S.STATUS_PINJAM 'STATUS' "
                        "FROM SALINAN S, RAK R " & _
                        "WHERE S.ID_RAK = R.ID_RAK AND " & _
                        "S.KONDISI_SALINAN = 1 AND " & _
                        "S.ID_KOLEKSI = " & lblID.Text

            da = New SqlDataAdapter(query, conn)
            da.Fill(dtKoleksi_Katalog_Detail)


            da.MissingSchemaAction = MissingSchemaAction.AddWithKey

            dv = dtKoleksi_Katalog_Detail.DefaultView
            dgvPinjam.DataSource = dv
```



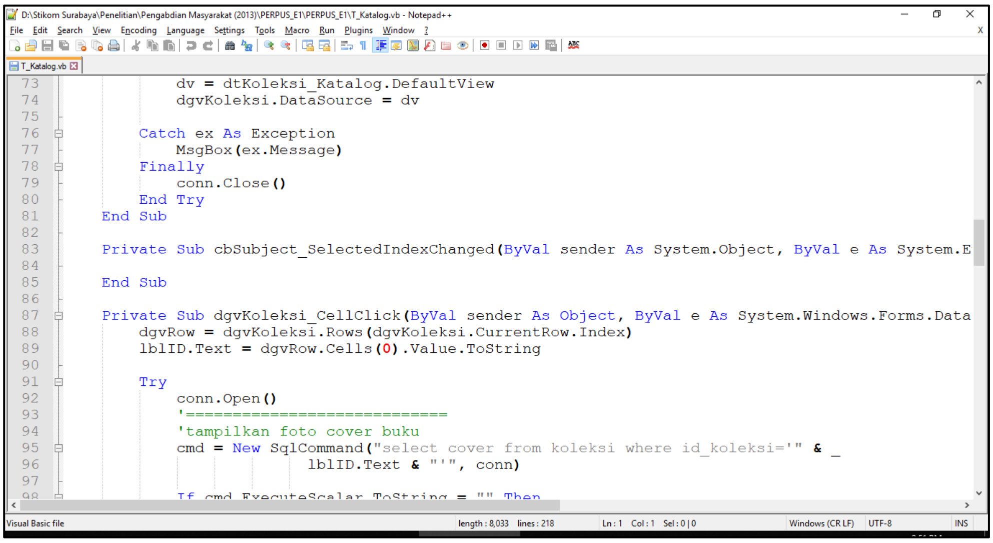
```
            dv = dtKoleksi_Katalog_Detail.DefaultView
            dgvPinjam.DataSource = dv
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub
#End Region

    Private Sub T_Katalog_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
        KONEKSI()


    End Sub

    Private Sub btnCari_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
        Try
            conn.Open()
            dtKoleksi_Katalog.Clear()

            query = "SELECT KOL.ID_KOLEKSI 'ID KOLEKSI', KOL.NAMA_KOLEKSI 'NAMA', P.NAMA_PENGARAN
                    "FROM KOLEKSI KOL, SUBJECT S, JENIS_KOLEKSI JK, PENGARANG P, KARANGAN K " & _
                    "WHERE KOL.ID_KOLEKSI = K.ID_KOLEKSI AND " & _
                        "P.ID_PENGARANG = K.ID_PENGARANG AND " & _
```

D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Katalog.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
T_Katalog.vb
Visual Basic file
length : 8,033 lines : 218
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS



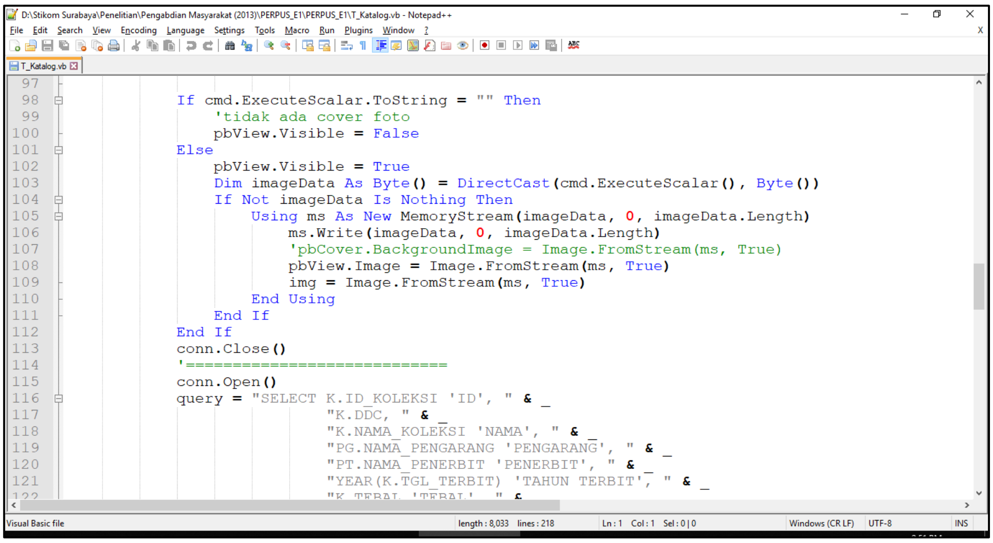
```
                        "P.ID_PENGARANG = K.ID_PENGARANG AND " & _
                        "KOL.ID_SUBJECT = S.ID_SUBJECT AND " & _
                        "KOL.ID_JENIS = JK.ID_JENIS AND "
            If rbNama.Checked = True Then
                query = query & " KOL.NAMA_KOLEKSI LIKE '%" & txtCari.Text & "%'"
            ElseIf rbPengarang.Checked = True Then
                query = query & " P.NAMA_PENGARANG LIKE '%" & txtCari.Text & "%'"
            End If

            'AMBIL ID KOLEKSI
            comm.CommandText = query
            comm.Connection = conn
            dr = comm.ExecuteReader

            While dr.Read()
                id_koleksi = dr(0)
            End While
            dr.Close()
            '=======================

            da = New SqlDataAdapter(query, conn)
            da.Fill(dtKoleksi_Katalog)
            da.MissingSchemaAction = MissingSchemaAction.AddWithKey

            dv = dtKoleksi_Katalog.DefaultView
```

D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Katalog.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
T_Katalog.vb
Visual Basic file
length : 8,033 lines : 218
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

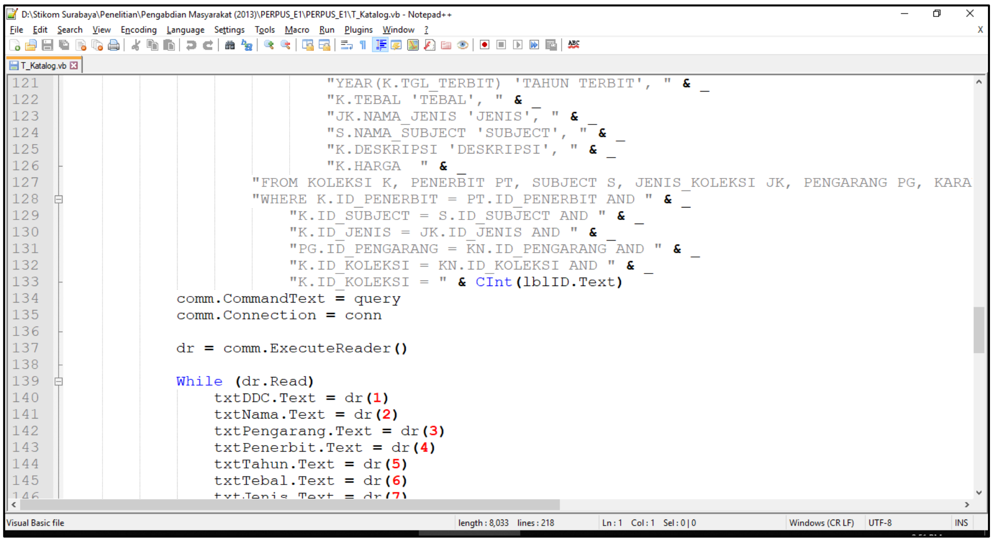


```
            dv = dtKoleksi_Katalog.DefaultView
            dgvKoleksi.DataSource = dv

        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub

    Private Sub cbSubject_SelectedIndexChanged(ByVal sender As System.Object, ByVal e As System.E

    End Sub

    Private Sub dgvKoleksi_CellClick(ByVal sender As Object, ByVal e As System.Windows.Forms.Data
        dgvRow = dgvKoleksi.Rows(dgvKoleksi.CurrentRow.Index)
        lblID.Text = dgvRow.Cells(0).Value.ToString

        Try
            conn.Open()
            '============================
            'tampilkan foto cover buku
            cmd = New SqlCommand("select cover from koleksi where id_koleksi='" & _
                                lblID.Text & "'", conn)

```

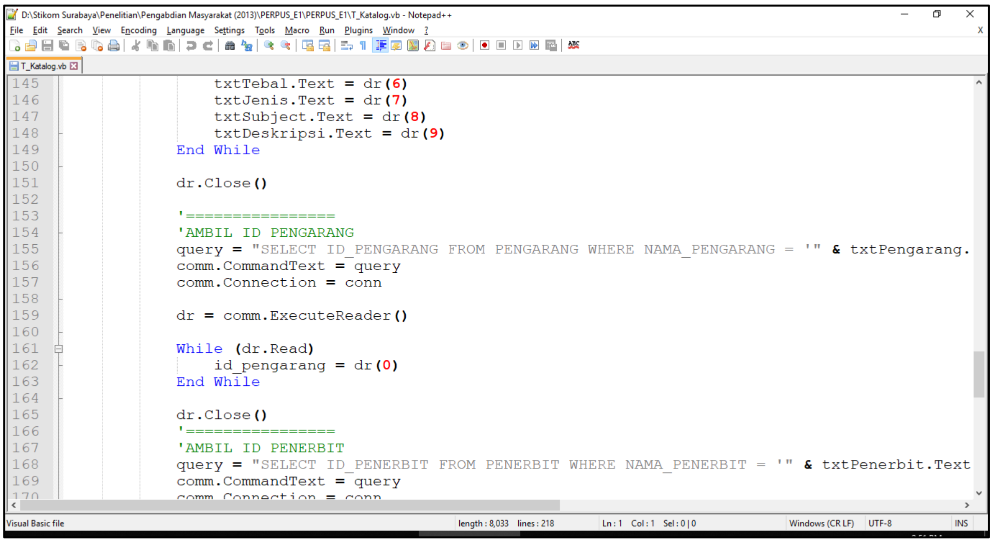
D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Katalog.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
T_Katalog.vb
Visual Basic file
length : 8,033 lines : 218
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Katalog.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
T_Katalog.vb
Visual Basic file
length : 8,033 lines : 218
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

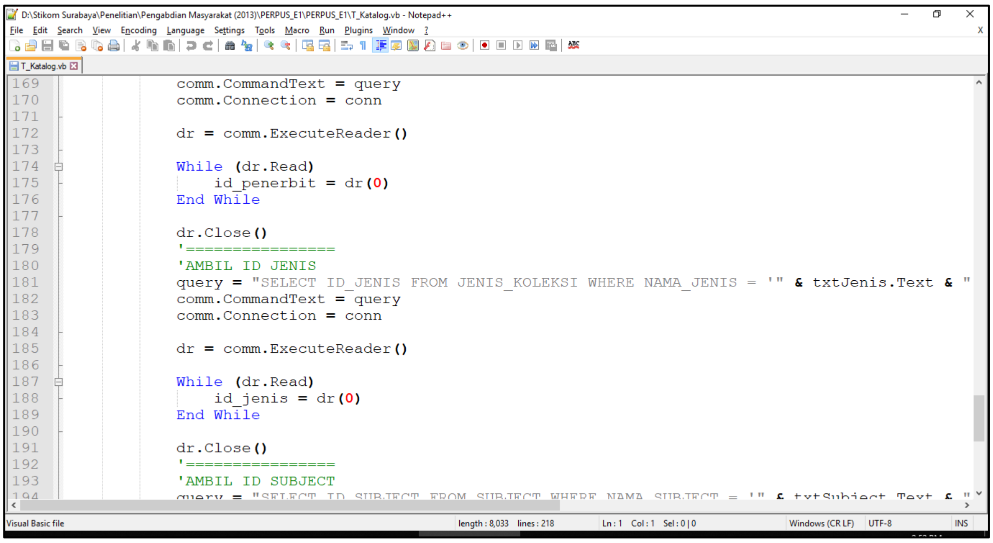
```
If cmd.ExecuteScalar.ToString = "" Then
    'tidak ada cover foto
    pbView.Visible = False
Else
    pbView.Visible = True
    Dim imageData As Byte() = DirectCast(cmd.ExecuteScalar(), Byte())
    If Not imageData Is Nothing Then
        Using ms As New MemoryStream(imageData, 0, imageData.Length)
            ms.Write(imageData, 0, imageData.Length)
            'pbCover.BackgroundImage = Image.FromStream(ms, True)
            pbView.Image = Image.FromStream(ms, True)
            img = Image.FromStream(ms, True)
        End Using
    End If
End If
conn.Close()
'============================
conn.Open()
query = "SELECT K.ID_KOLEKSI 'ID', " & _
                "K.DDC, " & _
                "K.NAMA_KOLEKSI 'NAMA', " & _
                "PG.NAMA_PENGARANG 'PENGARANG', " & _
                "PT.NAMA_PENERBIT 'PENERBIT', " & _
                "YEAR(K.TGL_TERBIT) 'TAHUN TERBIT', " & _
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Katalog.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
T_Katalog.vb
Visual Basic file
length : 8,033 lines : 218
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

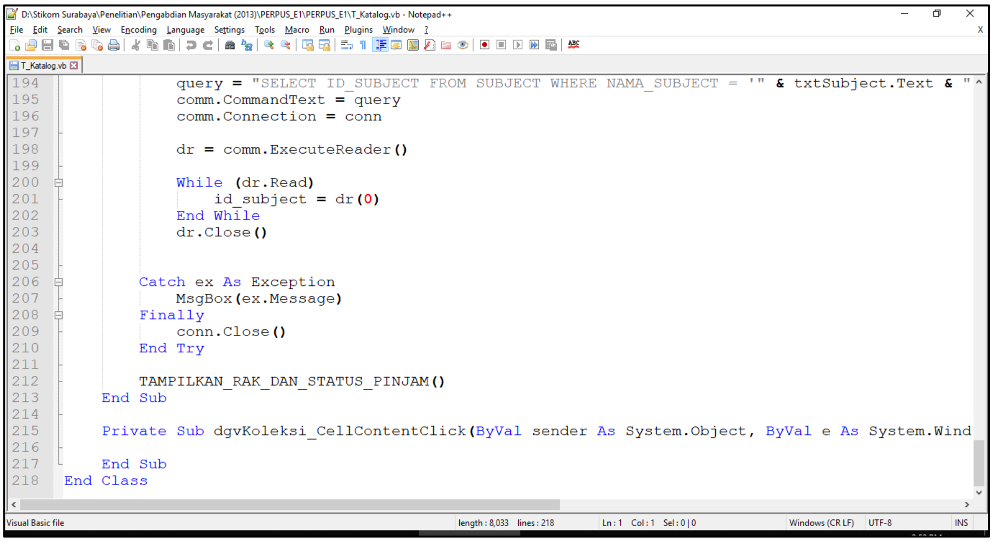
```
                "YEAR(K.TGL_TERBIT) 'TAHUN TERBIT', " & _
                "K.TEBAL 'TEBAL', " & _
                "JK.NAMA_JENIS 'JENIS', " & _
                "S.NAMA_SUBJECT 'SUBJECT', " & _
                "K.DESKRIPSI 'DESKRIPSI', " & _
                "K.HARGA  " & _
        "FROM KOLEKSI K, PENERBIT PT, SUBJECT S, JENIS_KOLEKSI JK, PENGARANG PG, KARA
        "WHERE K.ID_PENERBIT = PT.ID_PENERBIT AND " & _
            "K.ID_SUBJECT = S.ID_SUBJECT AND " & _
            "K.ID_JENIS = JK.ID_JENIS AND " & _
            "PG.ID_PENGARANG = KN.ID_PENGARANG AND " & _
            "K.ID_KOLEKSI = KN.ID_KOLEKSI AND " & _
            "K.ID_KOLEKSI = " & CInt(lblID.Text)
comm.CommandText = query
comm.Connection = conn

dr = comm.ExecuteReader()

While (dr.Read)
    txtDDC.Text = dr(1)
    txtNama.Text = dr(2)
    txtPengarang.Text = dr(3)
    txtPenerbit.Text = dr(4)
    txtTahun.Text = dr(5)
    txtTebal.Text = dr(6)
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Katalog.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
T_Katalog.vb
Visual Basic file
length : 8,033 lines : 218
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

```
    txtTebal.Text = dr(6)
    txtJenis.Text = dr(7)
    txtSubject.Text = dr(8)
    txtDeskripsi.Text = dr(9)
End While

dr.Close()

'================
'AMBIL ID PENGARANG
query = "SELECT ID_PENGARANG FROM PENGARANG WHERE NAMA_PENGARANG = '" & txtPengarang.
comm.CommandText = query
comm.Connection = conn

dr = comm.ExecuteReader()

While (dr.Read)
    id_pengarang = dr(0)
End While

dr.Close()
'================
'AMBIL ID PENERBIT
query = "SELECT ID_PENERBIT FROM PENERBIT WHERE NAMA_PENERBIT = '" & txtPenerbit.Text
comm.CommandText = query
```

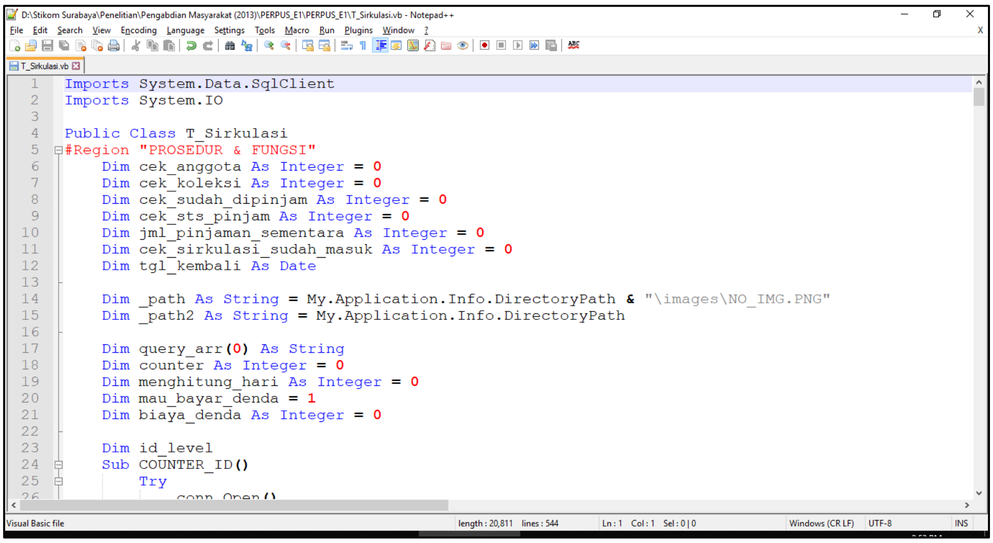

D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Katalog.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
T_Katalog.vb
Visual Basic file
length : 8,033 lines : 218
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

```
            comm.CommandText = query
            comm.Connection = conn

            dr = comm.ExecuteReader()

            While (dr.Read)
                id_penerbit = dr(0)
            End While

            dr.Close()
            '================
            'AMBIL ID JENIS
            query = "SELECT ID_JENIS FROM JENIS_KOLEKSI WHERE NAMA_JENIS = '" & txtJenis.Text & "
            comm.CommandText = query
            comm.Connection = conn

            dr = comm.ExecuteReader()

            While (dr.Read)
                id_jenis = dr(0)
            End While

            dr.Close()
            '================
            'AMBIL ID SUBJECT
            query = "SELECT ID_SUBJECT FROM SUBJECT WHERE NAMA_SUBJECT = '" & txtSubject.Text & "
```

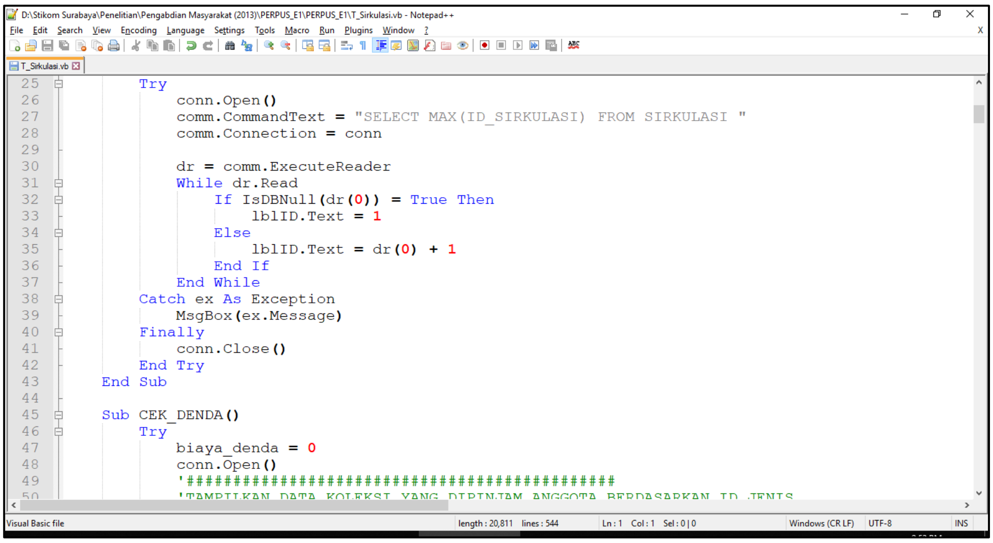

D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Katalog.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
T_Katalog.vb
Visual Basic file
length : 8,033 lines : 218
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

```
            query = "SELECT ID_SUBJECT FROM SUBJECT WHERE NAMA_SUBJECT = '" & txtSubject.Text & "
            comm.CommandText = query
            comm.Connection = conn

            dr = comm.ExecuteReader()

            While (dr.Read)
                id_subject = dr(0)
            End While
            dr.Close()


        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try

        TAMPILKAN_RAK_DAN_STATUS_PINJAM()
    End Sub

    Private Sub dgvKoleksi_CellContentClick(ByVal sender As System.Object, ByVal e As System.Wind

    End Sub
End Class
```

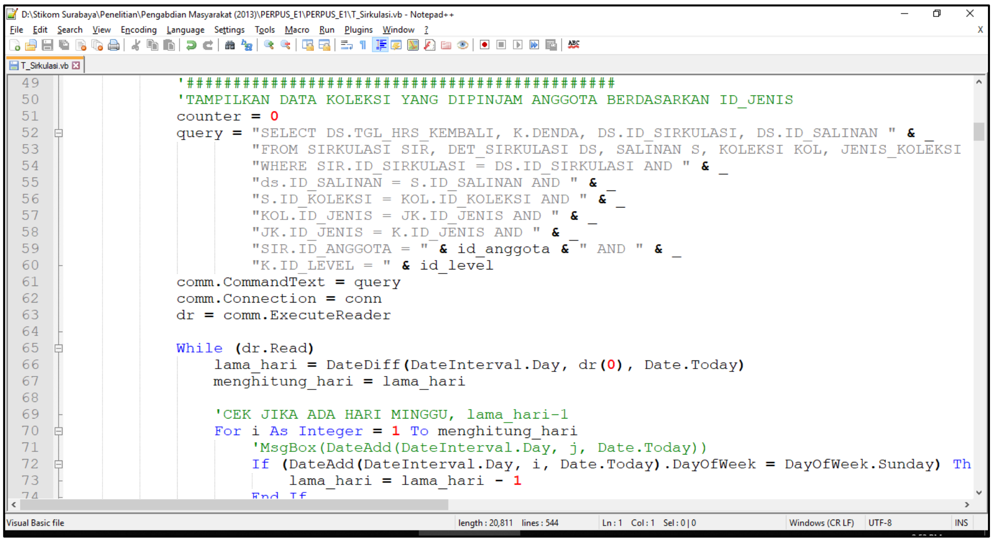
12. Form Sirkulasi


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Sirkulasi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
T_Sirkulasi.vb
Visual Basic file
length : 20,811 lines : 544
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

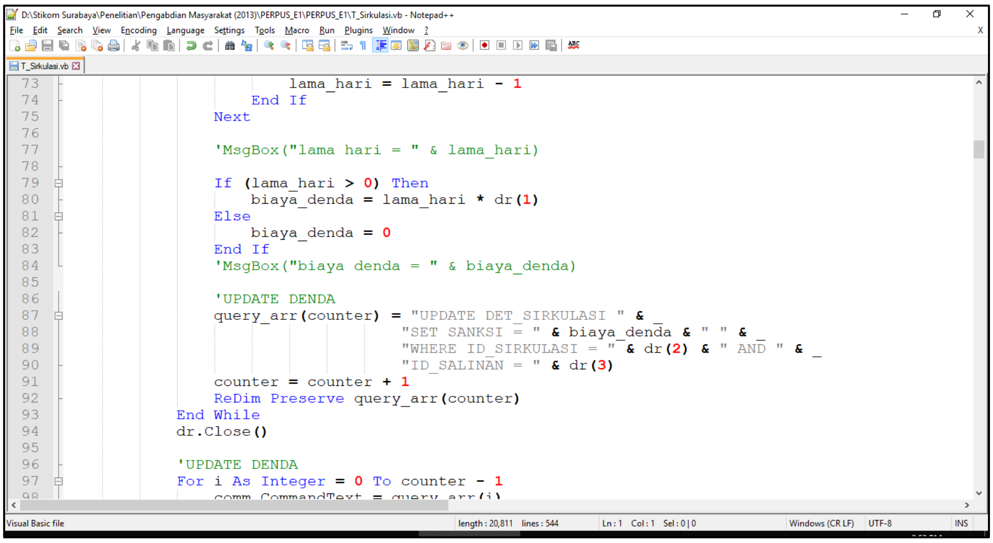
```
Imports System.Data.SqlClient
Imports System.IO

Public Class T_Sirkulasi
#Region "PROSEDUR & FUNGSI"
    Dim cek_anggota As Integer = 0
    Dim cek_koleksi As Integer = 0
    Dim cek_sudah_dipinjam As Integer = 0
    Dim cek_sts_pinjam As Integer = 0
    Dim jml_pinjaman_sementara As Integer = 0
    Dim cek_sirkulasi_sudah_masuk As Integer = 0
    Dim tgl_kembali As Date

    Dim _path As String = My.Application.Info.DirectoryPath & "\images\NO_IMG.PNG"
    Dim _path2 As String = My.Application.Info.DirectoryPath

    Dim query_arr(0) As String
    Dim counter As Integer = 0
    Dim menghitung_hari As Integer = 0
    Dim mau_bayar_denda = 1
    Dim biaya_denda As Integer = 0

    Dim id_level
    Sub COUNTER_ID()
        Try
            conn.Open()
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Sirkulasi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
T_Sirkulasi.vb
Visual Basic file
length : 20,811 lines : 544
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

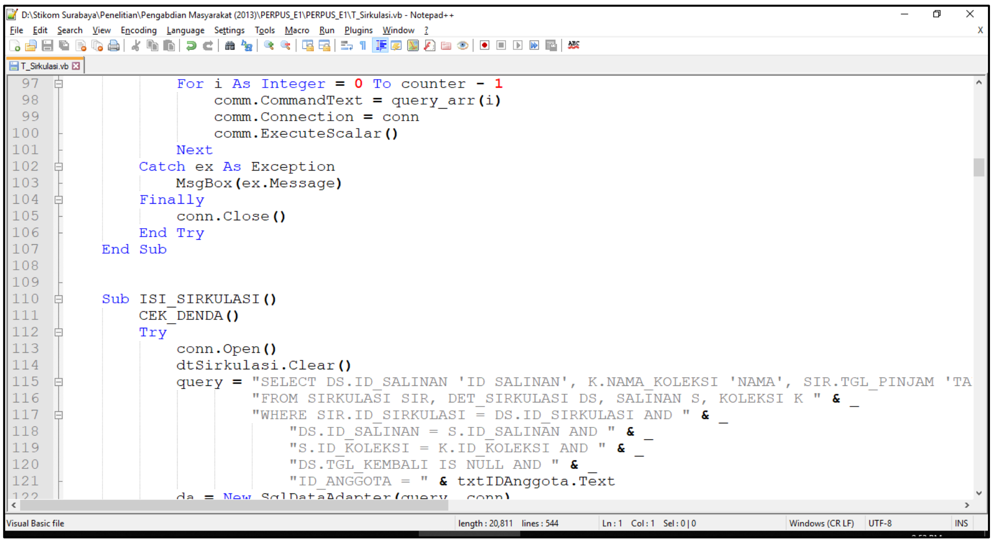
```
        Try
            conn.Open()
            comm.CommandText = "SELECT MAX(ID_SIRKULASI) FROM SIRKULASI "
            comm.Connection = conn

            dr = comm.ExecuteReader
            While dr.Read
                If IsDBNull(dr(0)) = True Then
                    lblID.Text = 1
                Else
                    lblID.Text = dr(0) + 1
                End If
            End While
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub

    Sub CEK_DENDA()
        Try
            biaya_denda = 0
            conn.Open()
            '###############################################
            'TAMPILKAN DATA KOLEKSI YANG DIPINJAM ANGGOTA BERDASARKAN ID JENIS
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Sirkulasi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
T_Sirkulasi.vb
Visual Basic file
length : 20,811 lines : 544
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

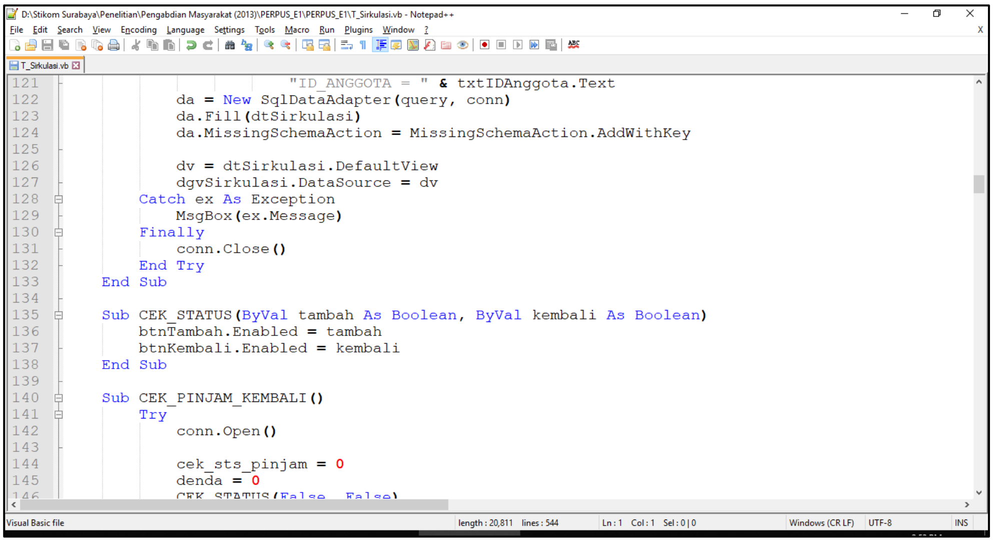
```
            '###############################################
            'TAMPILKAN DATA KOLEKSI YANG DIPINJAM ANGGOTA BERDASARKAN ID_JENIS
            counter = 0
            query = "SELECT DS.TGL_HRS_KEMBALI, K.DENDA, DS.ID_SIRKULASI, DS.ID_SALINAN " & _
                    "FROM SIRKULASI SIR, DET_SIRKULASI DS, SALINAN S, KOLEKSI KOL, JENIS_KOLEKSI
                    "WHERE SIR.ID_SIRKULASI = DS.ID_SIRKULASI AND " & _
                    "ds.ID_SALINAN = S.ID_SALINAN AND " & _
                    "S.ID_KOLEKSI = KOL.ID_KOLEKSI AND " & _
                    "KOL.ID_JENIS = JK.ID_JENIS AND " & _
                    "JK.ID_JENIS = K.ID_JENIS AND " & _
                    "SIR.ID_ANGGOTA = " & id_anggota & " AND " & _
                    "K.ID_LEVEL = " & id_level
            comm.CommandText = query
            comm.Connection = conn
            dr = comm.ExecuteReader

            While (dr.Read)
                lama_hari = DateDiff(DateInterval.Day, dr(0), Date.Today)
                menghitung_hari = lama_hari

                'CEK JIKA ADA HARI MINGGU, lama_hari-1
                For i As Integer = 1 To menghitung_hari
                    'MsgBox(DateAdd(DateInterval.Day, j, Date.Today))
                    If (DateAdd(DateInterval.Day, i, Date.Today).DayOfWeek = DayOfWeek.Sunday) Th
                        lama_hari = lama_hari - 1
                    End If
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Sirkulasi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
T_Sirkulasi.vb
Visual Basic file
length : 20,811 lines : 544
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

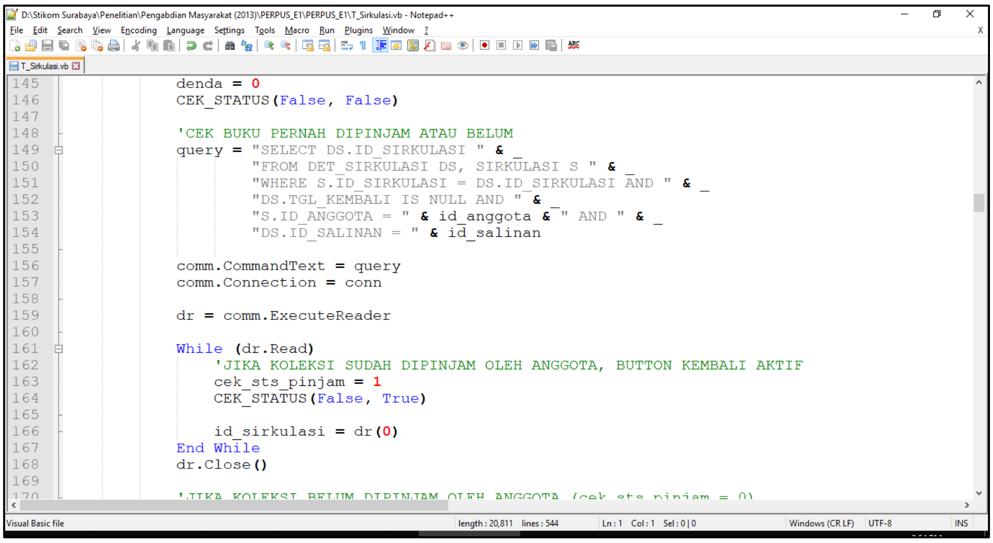
```
                        lama_hari = lama_hari - 1
                    End If
                Next

                'MsgBox("lama hari = " & lama_hari)

                If (lama_hari > 0) Then
                    biaya_denda = lama_hari * dr(1)
                Else
                    biaya_denda = 0
                End If
                'MsgBox("biaya denda = " & biaya_denda)

                'UPDATE DENDA
                query_arr(counter) = "UPDATE DET_SIRKULASI " & _
                                    "SET SANKSI = " & biaya_denda & " " & _
                                    "WHERE ID_SIRKULASI = " & dr(2) & " AND " & _
                                    "ID_SALINAN = " & dr(3)
                counter = counter + 1
                ReDim Preserve query_arr(counter)
            End While
            dr.Close()

            'UPDATE DENDA
            For i As Integer = 0 To counter - 1
                comm.CommandText = query_arr(i)
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Sirkulasi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
T_Sirkulasi.vb
Visual Basic file
length : 20,811 lines : 544
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

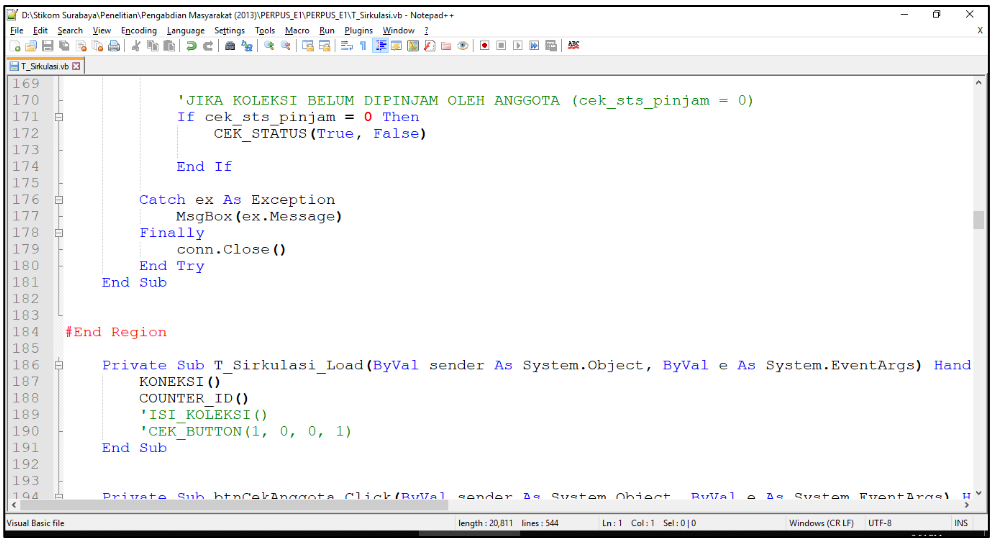
```
            For i As Integer = 0 To counter - 1
                comm.CommandText = query_arr(i)
                comm.Connection = conn
                comm.ExecuteScalar()
            Next
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub


    Sub ISI_SIRKULASI()
        CEK_DENDA()
        Try
            conn.Open()
            dtSirkulasi.Clear()
            query = "SELECT DS.ID_SALINAN 'ID SALINAN', K.NAMA_KOLEKSI 'NAMA', SIR.TGL_PINJAM 'TA
                    "FROM SIRKULASI SIR, DET_SIRKULASI DS, SALINAN S, KOLEKSI K " & _
                    "WHERE SIR.ID_SIRKULASI = DS.ID_SIRKULASI AND " & _
                        "DS.ID_SALINAN = S.ID_SALINAN AND " & _
                        "S.ID_KOLEKSI = K.ID_KOLEKSI AND " & _
                        "DS.TGL_KEMBALI IS NULL AND " & _
                        "ID_ANGGOTA = " & txtIDAnggota.Text
            da = New SqlDataAdapter(query, conn)
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Sirkulasi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
T_Sirkulasi.vb
Visual Basic file
length : 20,811 lines : 544
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

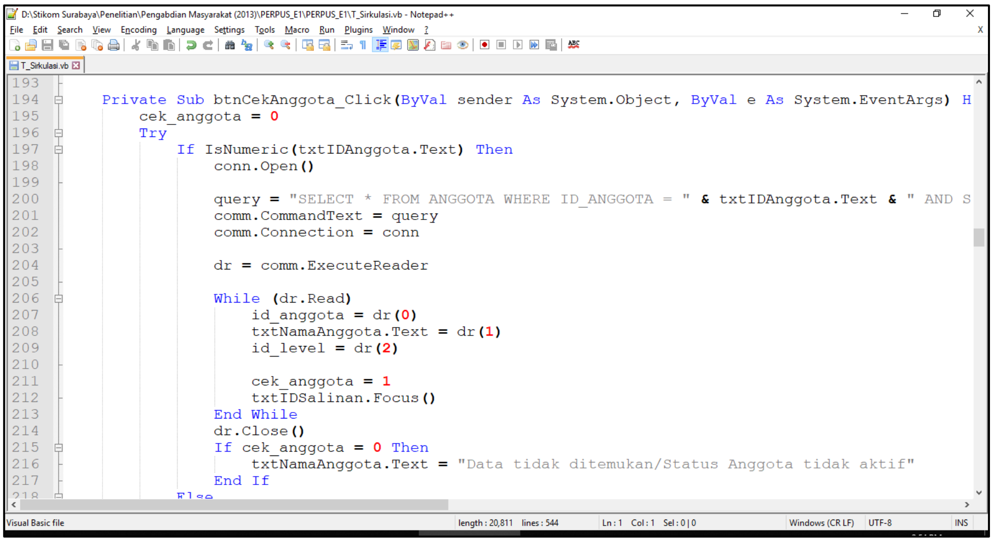
```
                        "ID_ANGGOTA = " & txtIDAnggota.Text
            da = New SqlDataAdapter(query, conn)
            da.Fill(dtSirkulasi)
            da.MissingSchemaAction = MissingSchemaAction.AddWithKey

            dv = dtSirkulasi.DefaultView
            dgvSirkulasi.DataSource = dv
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub

    Sub CEK_STATUS(ByVal tambah As Boolean, ByVal kembali As Boolean)
        btnTambah.Enabled = tambah
        btnKembali.Enabled = kembali
    End Sub

    Sub CEK_PINJAM_KEMBALI()
        Try
            conn.Open()

            cek_sts_pinjam = 0
            denda = 0
            CEK_STATUS(False, False)
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Sirkulasi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
T_Sirkulasi.vb
Visual Basic file
length : 20,811 lines : 544
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

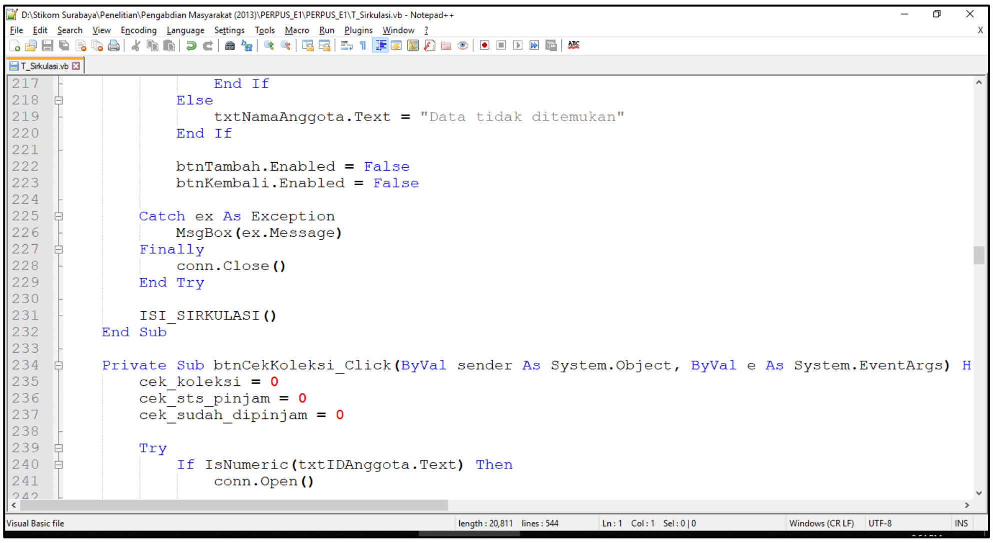
```
            denda = 0
            CEK_STATUS(False, False)

            'CEK BUKU PERNAH DIPINJAM ATAU BELUM
            query = "SELECT DS.ID_SIRKULASI " & _
                    "FROM DET_SIRKULASI DS, SIRKULASI S " & _
                    "WHERE S.ID_SIRKULASI = DS.ID_SIRKULASI AND " & _
                    "DS.TGL_KEMBALI IS NULL AND " & _
                    "S.ID_ANGGOTA = " & id_anggota & " AND " & _
                    "DS.ID_SALINAN = " & id_salinan

            comm.CommandText = query
            comm.Connection = conn

            dr = comm.ExecuteReader

            While (dr.Read)
                'JIKA KOLEKSI SUDAH DIPINJAM OLEH ANGGOTA, BUTTON KEMBALI AKTIF
                cek_sts_pinjam = 1
                CEK_STATUS(False, True)

                id_sirkulasi = dr(0)
            End While
            dr.Close()

            'JIKA KOLEKSI BELUM DIPINJAM OLEH ANGGOTA (cek_sts_pinjam = 0)
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Sirkulasi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
T_Sirkulasi.vb
Visual Basic file
length : 20,811 lines : 544
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

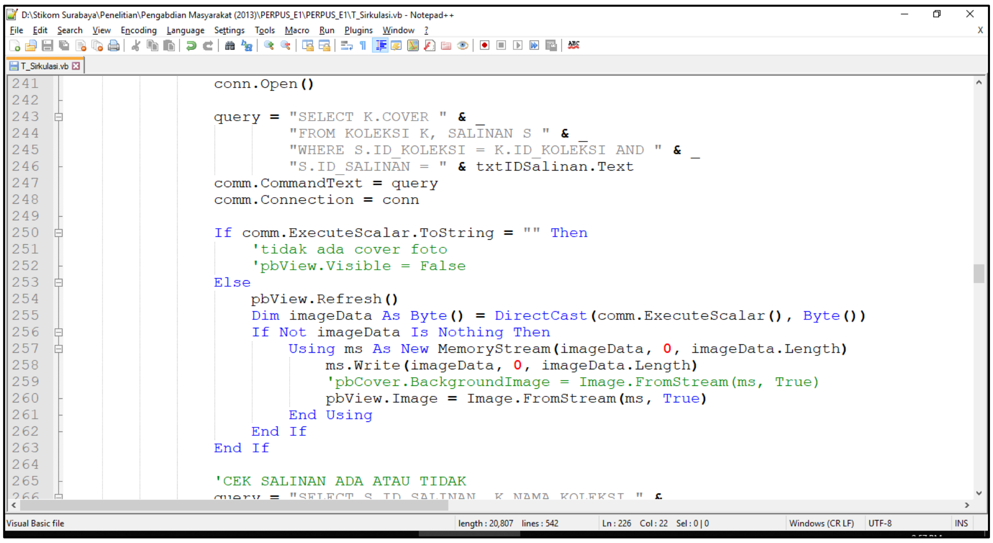
```
            'JIKA KOLEKSI BELUM DIPINJAM OLEH ANGGOTA (cek_sts_pinjam = 0)
            If cek_sts_pinjam = 0 Then
                CEK_STATUS(True, False)

            End If

        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub


#End Region

    Private Sub T_Sirkulasi_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Hand
        KONEKSI()
        COUNTER_ID()
        'ISI_KOLEKSI()
        'CEK_BUTTON(1, 0, 0, 1)
    End Sub

```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Sirkulasi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
T_Sirkulasi.vb
Visual Basic file
length : 20,811 lines : 544
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

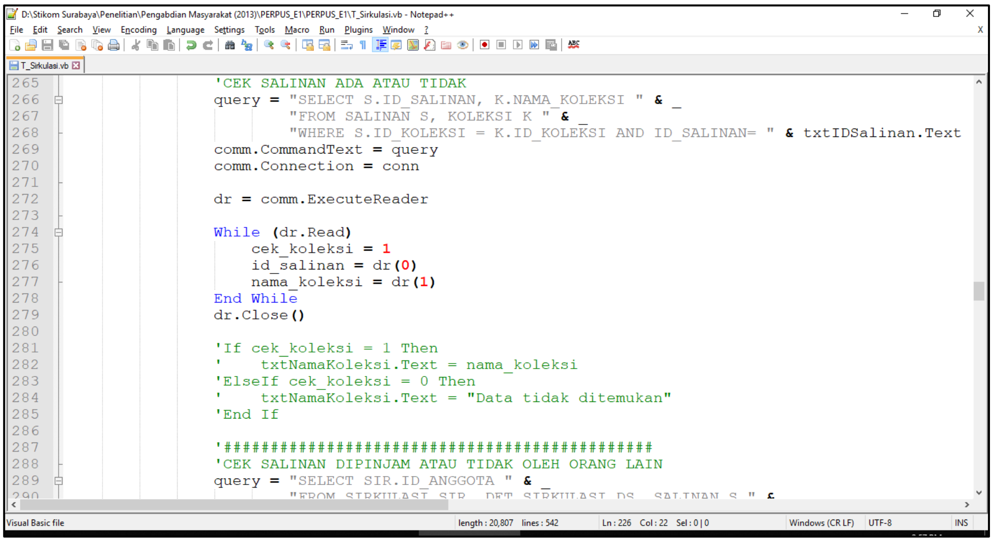
```

    Private Sub btnCekAnggota_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) H
        cek_anggota = 0
        Try
            If IsNumeric(txtIDAnggota.Text) Then
                conn.Open()

                query = "SELECT * FROM ANGGOTA WHERE ID_ANGGOTA = " & txtIDAnggota.Text & " AND S
                comm.CommandText = query
                comm.Connection = conn

                dr = comm.ExecuteReader

                While (dr.Read)
                    id_anggota = dr(0)
                    txtNamaAnggota.Text = dr(1)
                    id_level = dr(2)

                    cek_anggota = 1
                    txtIDSalinan.Focus()
                End While
                dr.Close()
                If cek_anggota = 0 Then
                    txtNamaAnggota.Text = "Data tidak ditemukan/Status Anggota tidak aktif"
                End If
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Sirkulasi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
T_Sirkulasi.vb
Visual Basic file
length : 20,811 lines : 544
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

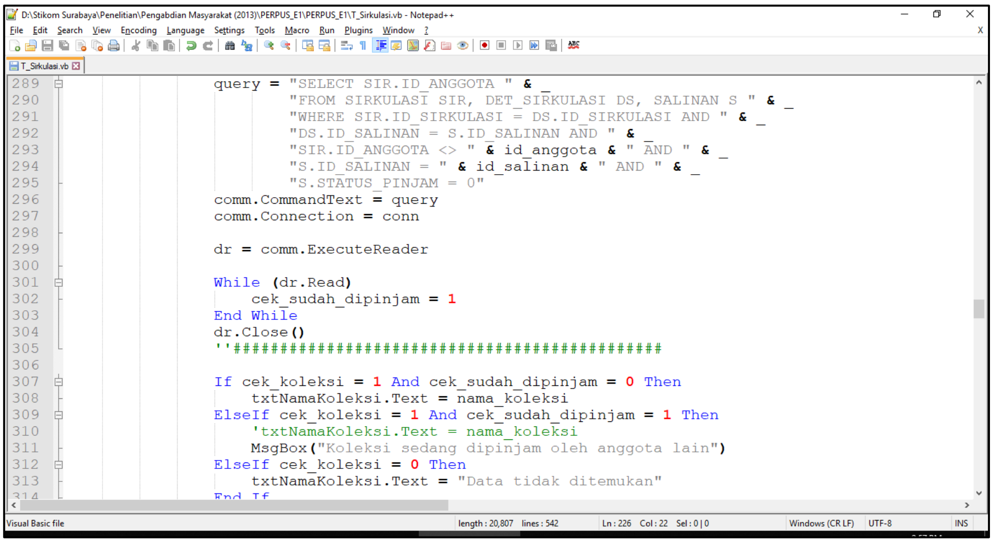
```
                End If
            Else
                txtNamaAnggota.Text = "Data tidak ditemukan"
            End If

            btnTambah.Enabled = False
            btnKembali.Enabled = False

        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try

        ISI_SIRKULASI()
    End Sub

    Private Sub btnCekKoleksi_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) H
        cek_koleksi = 0
        cek_sts_pinjam = 0
        cek_sudah_dipinjam = 0

        Try
            If IsNumeric(txtIDAnggota.Text) Then
                conn.Open()
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Sirkulasi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
T_Sirkulasi.vb
Visual Basic file
length : 20,807 lines : 542
Ln : 226 Col : 22 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

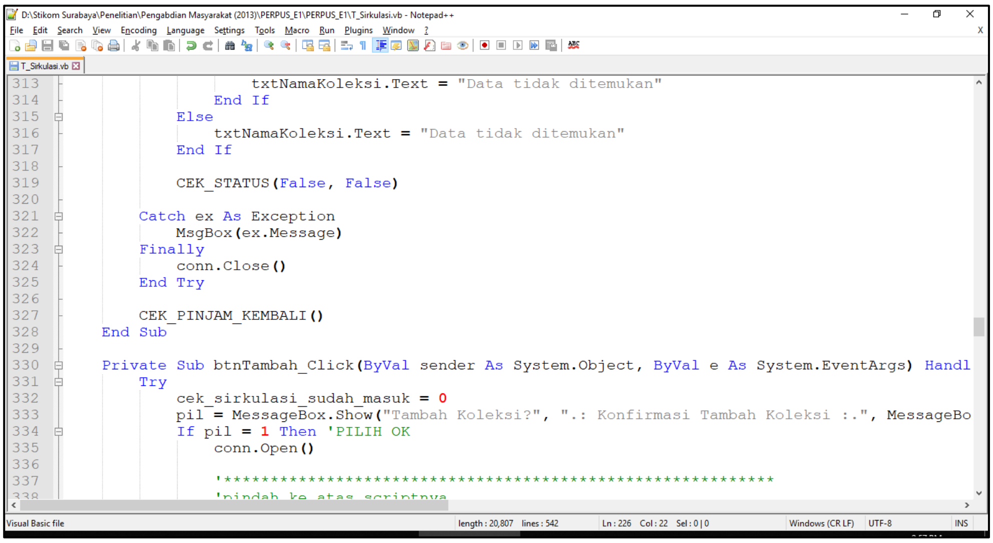
```vb
conn.Open()

query = "SELECT K.COVER " & _
        "FROM KOLEKSI K, SALINAN S " & _
        "WHERE S.ID_KOLEKSI = K.ID_KOLEKSI AND " & _
        "S.ID_SALINAN = " & txtIDSalinan.Text
comm.CommandText = query
comm.Connection = conn

If comm.ExecuteScalar.ToString = "" Then
    'tidak ada cover foto
    'pbView.Visible = False
Else
    pbView.Refresh()
    Dim imageData As Byte() = DirectCast(comm.ExecuteScalar(), Byte())
    If Not imageData Is Nothing Then
        Using ms As New MemoryStream(imageData, 0, imageData.Length)
            ms.Write(imageData, 0, imageData.Length)
            'pbCover.BackgroundImage = Image.FromStream(ms, True)
            pbView.Image = Image.FromStream(ms, True)
        End Using
    End If
End If

'CEK SALINAN ADA ATAU TIDAK
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Sirkulasi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
T_Sirkulasi.vb
Visual Basic file
length : 20,807 lines : 542
Ln : 226 Col : 22 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

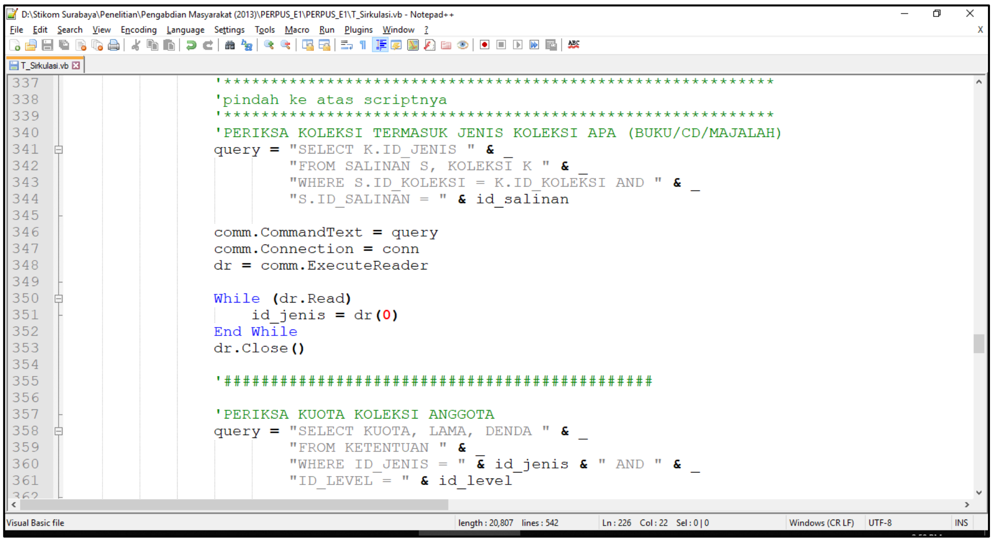
```vb
'CEK SALINAN ADA ATAU TIDAK
query = "SELECT S.ID_SALINAN, K.NAMA_KOLEKSI " & _
        "FROM SALINAN S, KOLEKSI K " & _
        "WHERE S.ID_KOLEKSI = K.ID_KOLEKSI AND ID_SALINAN= " & txtIDSalinan.Text
comm.CommandText = query
comm.Connection = conn

dr = comm.ExecuteReader

While (dr.Read)
    cek_koleksi = 1
    id_salinan = dr(0)
    nama_koleksi = dr(1)
End While
dr.Close()

'If cek_koleksi = 1 Then
'    txtNamaKoleksi.Text = nama_koleksi
'ElseIf cek_koleksi = 0 Then
'    txtNamaKoleksi.Text = "Data tidak ditemukan"
'End If

'###############################################
'CEK SALINAN DIPINJAM ATAU TIDAK OLEH ORANG LAIN
query = "SELECT SIR.ID_ANGGOTA " & _
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Sirkulasi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
T_Sirkulasi.vb
Visual Basic file
length : 20,807 lines : 542
Ln : 226 Col : 22 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

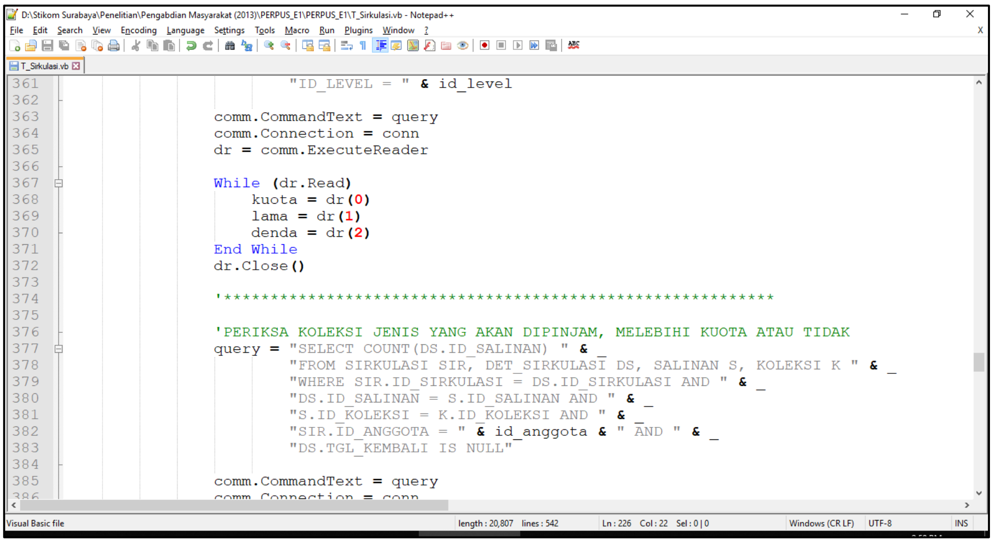
```vb
query = "SELECT SIR.ID_ANGGOTA " & _
        "FROM SIRKULASI SIR, DET_SIRKULASI DS, SALINAN S " & _
        "WHERE SIR.ID_SIRKULASI = DS.ID_SIRKULASI AND " & _
        "DS.ID_SALINAN = S.ID_SALINAN AND " & _
        "SIR.ID_ANGGOTA <> " & id_anggota & " AND " & _
        "S.ID_SALINAN = " & id_salinan & " AND " & _
        "S.STATUS_PINJAM = 0"
comm.CommandText = query
comm.Connection = conn

dr = comm.ExecuteReader

While (dr.Read)
    cek_sudah_dipinjam = 1
End While
dr.Close()
''###############################################

If cek_koleksi = 1 And cek_sudah_dipinjam = 0 Then
    txtNamaKoleksi.Text = nama_koleksi
ElseIf cek_koleksi = 1 And cek_sudah_dipinjam = 1 Then
    'txtNamaKoleksi.Text = nama_koleksi
    MsgBox("Koleksi sedang dipinjam oleh anggota lain")
ElseIf cek_koleksi = 0 Then
    txtNamaKoleksi.Text = "Data tidak ditemukan"
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Sirkulasi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
T_Sirkulasi.vb
Visual Basic file
length : 20,807 lines : 542
Ln : 226 Col : 22 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

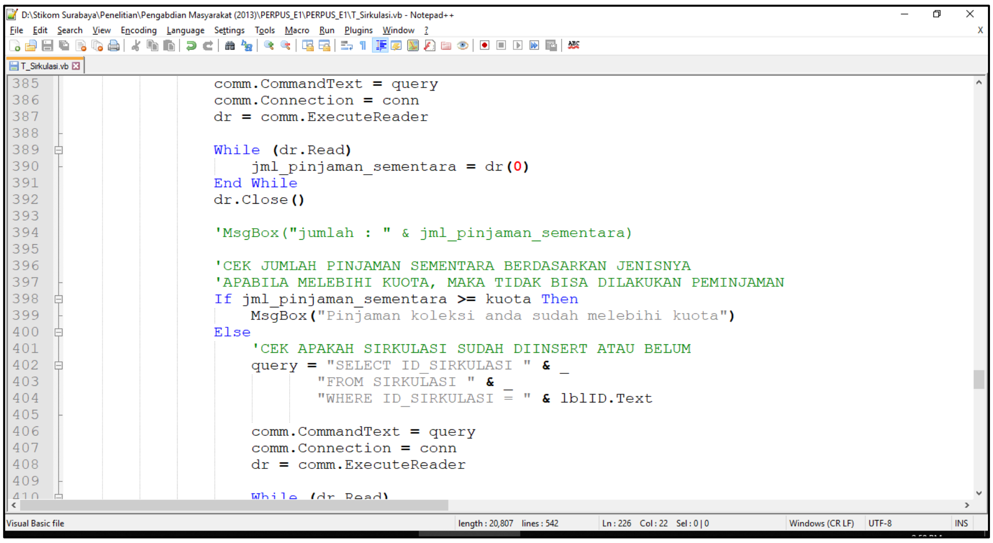
```
                    txtNamaKoleksi.Text = "Data tidak ditemukan"
                End If
            Else
                txtNamaKoleksi.Text = "Data tidak ditemukan"
            End If

            CEK_STATUS(False, False)

        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try

        CEK_PINJAM_KEMBALI()
    End Sub

    Private Sub btnTambah_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handl
        Try
            cek_sirkulasi_sudah_masuk = 0
            pil = MessageBox.Show("Tambah Koleksi?", ".: Konfirmasi Tambah Koleksi :.", MessageBo
            If pil = 1 Then 'PILIH OK
                conn.Open()

                '************************************************************
                'pindah ke atas scriptnya
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Sirkulasi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
T_Sirkulasi.vb
Visual Basic file
length : 20,807 lines : 542
Ln : 226 Col : 22 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

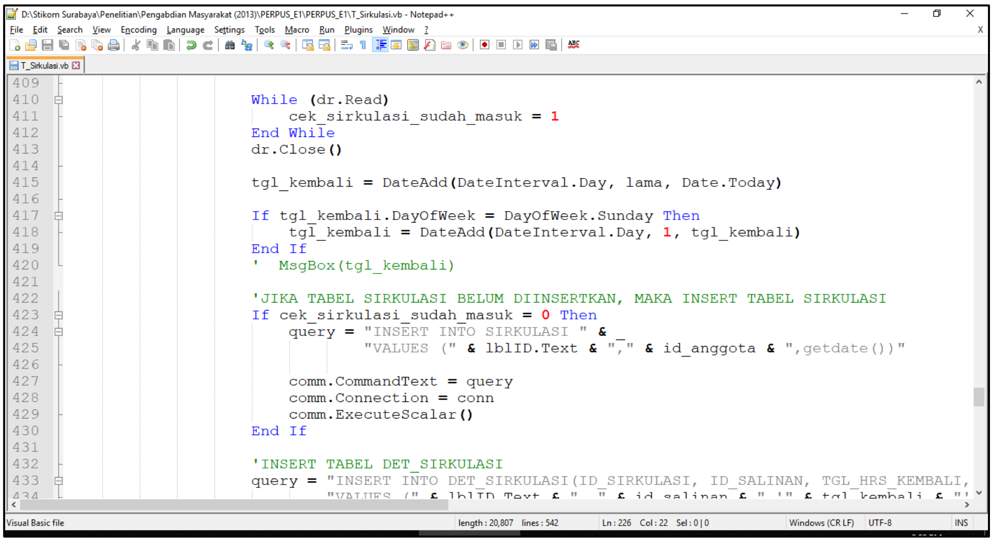
```
                '************************************************************
                'pindah ke atas scriptnya
                '************************************************************
                'PERIKSA KOLEKSI TERMASUK JENIS KOLEKSI APA (BUKU/CD/MAJALAH)
                query = "SELECT K.ID_JENIS " & _
                        "FROM SALINAN S, KOLEKSI K " & _
                        "WHERE S.ID_KOLEKSI = K.ID_KOLEKSI AND " & _
                        "S.ID_SALINAN = " & id_salinan

                comm.CommandText = query
                comm.Connection = conn
                dr = comm.ExecuteReader

                While (dr.Read)
                    id_jenis = dr(0)
                End While
                dr.Close()

                '##############################################

                'PERIKSA KUOTA KOLEKSI ANGGOTA
                query = "SELECT KUOTA, LAMA, DENDA " & _
                        "FROM KETENTUAN " & _
                        "WHERE ID_JENIS = " & id_jenis & " AND " & _
                        "ID_LEVEL = " & id_level
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Sirkulasi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
T_Sirkulasi.vb
Visual Basic file
length : 20,807 lines : 542
Ln : 226 Col : 22 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

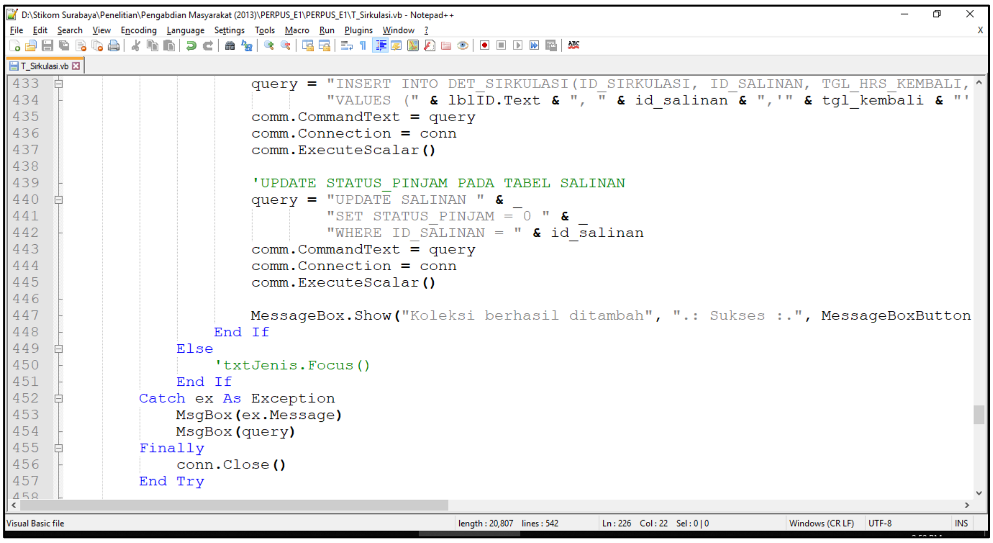
```
                        "ID_LEVEL = " & id_level

                comm.CommandText = query
                comm.Connection = conn
                dr = comm.ExecuteReader

                While (dr.Read)
                    kuota = dr(0)
                    lama = dr(1)
                    denda = dr(2)
                End While
                dr.Close()

                '************************************************************

                'PERIKSA KOLEKSI JENIS YANG AKAN DIPINJAM, MELEBIHI KUOTA ATAU TIDAK
                query = "SELECT COUNT(DS.ID_SALINAN) " & _
                        "FROM SIRKULASI SIR, DET_SIRKULASI DS, SALINAN S, KOLEKSI K " & _
                        "WHERE SIR.ID_SIRKULASI = DS.ID_SIRKULASI AND " & _
                        "DS.ID_SALINAN = S.ID_SALINAN AND " & _
                        "S.ID_KOLEKSI = K.ID_KOLEKSI AND " & _
                        "SIR.ID_ANGGOTA = " & id_anggota & " AND " & _
                        "DS.TGL_KEMBALI IS NULL"

                comm.CommandText = query
                comm.Connection = conn
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Sirkulasi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
T_Sirkulasi.vb
Visual Basic file
length : 20,807 lines : 542
Ln : 226 Col : 22 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

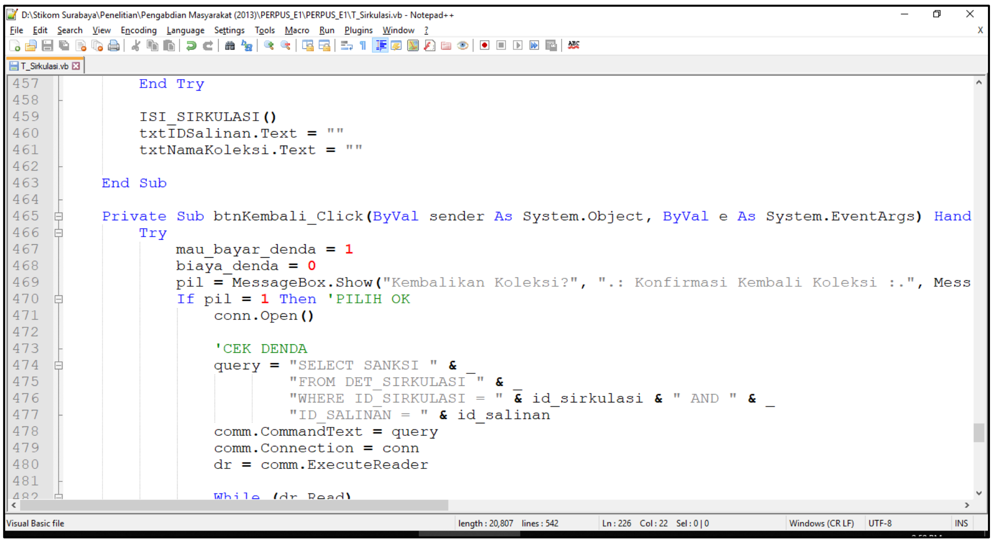
```
        comm.CommandText = query
        comm.Connection = conn
        dr = comm.ExecuteReader

        While (dr.Read)
            jml_pinjaman_sementara = dr(0)
        End While
        dr.Close()

        'MsgBox("jumlah : " & jml_pinjaman_sementara)

        'CEK JUMLAH PINJAMAN SEMENTARA BERDASARKAN JENISNYA
        'APABILA MELEBIHI KUOTA, MAKA TIDAK BISA DILAKUKAN PEMINJAMAN
        If jml_pinjaman_sementara >= kuota Then
            MsgBox("Pinjaman koleksi anda sudah melebihi kuota")
        Else
            'CEK APAKAH SIRKULASI SUDAH DIINSERT ATAU BELUM
            query = "SELECT ID_SIRKULASI " & _
                    "FROM SIRKULASI " & _
                    "WHERE ID_SIRKULASI = " & lblID.Text

            comm.CommandText = query
            comm.Connection = conn
            dr = comm.ExecuteReader

            While (dr.Read)
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Sirkulasi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
T_Sirkulasi.vb
Visual Basic file
length : 20,807 lines : 542
Ln : 226 Col : 22 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

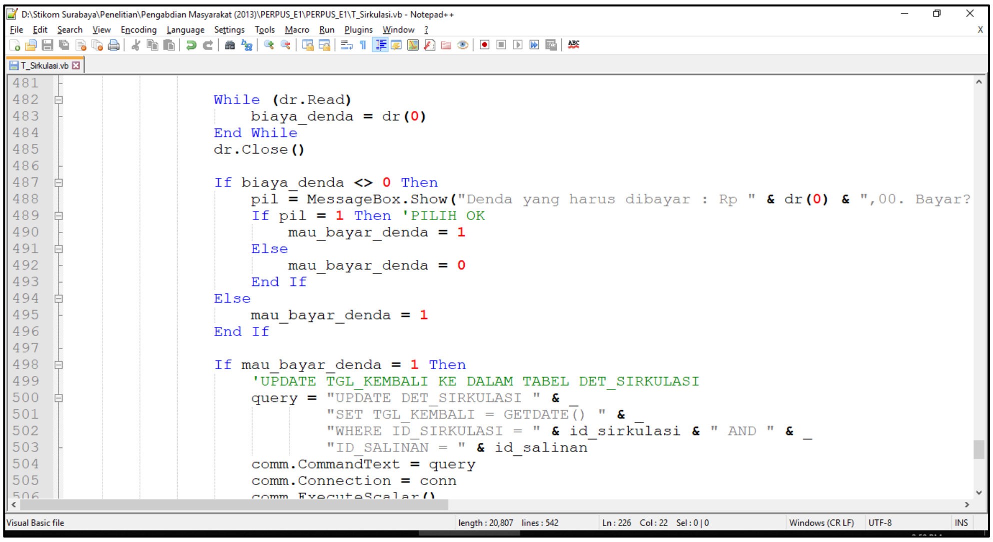
```

            While (dr.Read)
                cek_sirkulasi_sudah_masuk = 1
            End While
            dr.Close()

            tgl_kembali = DateAdd(DateInterval.Day, lama, Date.Today)

            If tgl_kembali.DayOfWeek = DayOfWeek.Sunday Then
                tgl_kembali = DateAdd(DateInterval.Day, 1, tgl_kembali)
            End If
            '  MsgBox(tgl_kembali)

            'JIKA TABEL SIRKULASI BELUM DIINSERTKAN, MAKA INSERT TABEL SIRKULASI
            If cek_sirkulasi_sudah_masuk = 0 Then
                query = "INSERT INTO SIRKULASI " & _
                        "VALUES (" & lblID.Text & "," & id_anggota & ",getdate())"

                comm.CommandText = query
                comm.Connection = conn
                comm.ExecuteScalar()
            End If

            'INSERT TABEL DET_SIRKULASI
            query = "INSERT INTO DET_SIRKULASI(ID_SIRKULASI, ID_SALINAN, TGL_HRS_KEMBALI,
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Sirkulasi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
T_Sirkulasi.vb
Visual Basic file
length : 20,807 lines : 542
Ln : 226 Col : 22 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

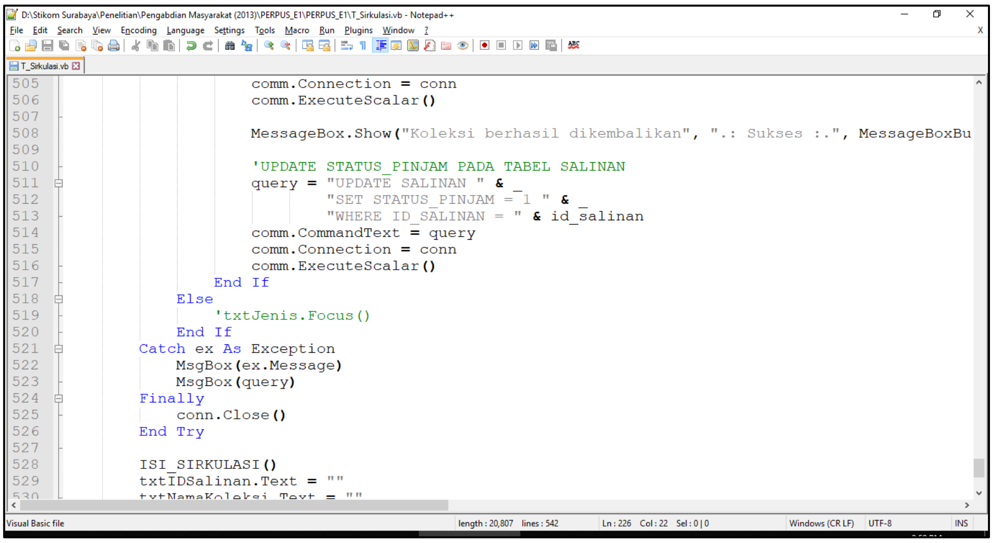
```
            query = "INSERT INTO DET_SIRKULASI(ID_SIRKULASI, ID_SALINAN, TGL_HRS_KEMBALI,
                    "VALUES (" & lblID.Text & ", " & id_salinan & ",'" & tgl_kembali & "'
            comm.CommandText = query
            comm.Connection = conn
            comm.ExecuteScalar()

            'UPDATE STATUS_PINJAM PADA TABEL SALINAN
            query = "UPDATE SALINAN " & _
                    "SET STATUS_PINJAM = 0 " & _
                    "WHERE ID_SALINAN = " & id_salinan
            comm.CommandText = query
            comm.Connection = conn
            comm.ExecuteScalar()

            MessageBox.Show("Koleksi berhasil ditambah", ".: Sukses :.", MessageBoxButton
        End If
    Else
        'txtJenis.Focus()
    End If
Catch ex As Exception
    MsgBox(ex.Message)
    MsgBox(query)
Finally
    conn.Close()
End Try
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Sirkulasi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
T_Sirkulasi.vb
Visual Basic file
length : 20,807 lines : 542
Ln : 226 Col : 22 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

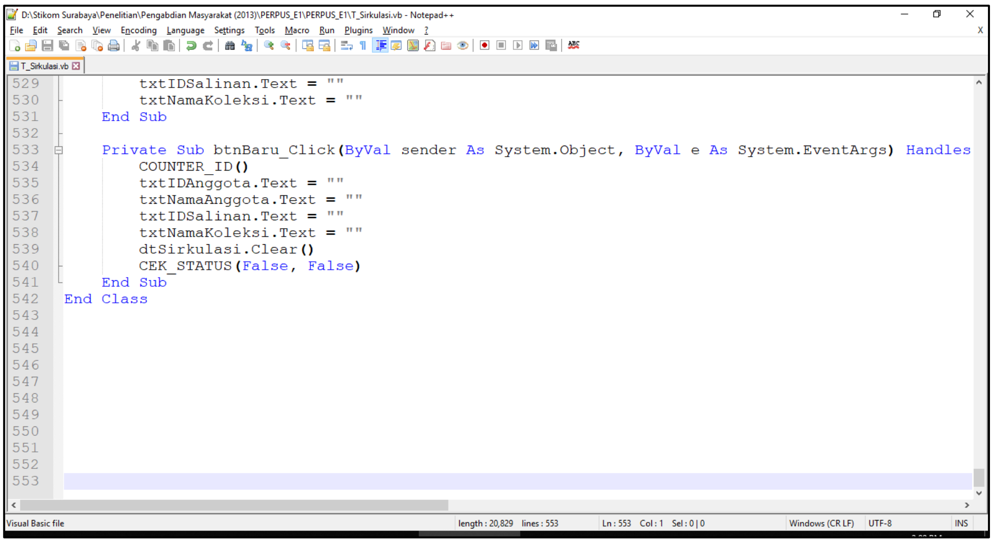
```
        End Try

        ISI_SIRKULASI()
        txtIDSalinan.Text = ""
        txtNamaKoleksi.Text = ""

    End Sub

    Private Sub btnKembali_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Hand
        Try
            mau_bayar_denda = 1
            biaya_denda = 0
            pil = MessageBox.Show("Kembalikan Koleksi?", ".: Konfirmasi Kembali Koleksi :.", Mess
            If pil = 1 Then 'PILIH OK
                conn.Open()

                'CEK DENDA
                query = "SELECT SANKSI " & _
                        "FROM DET_SIRKULASI " & _
                        "WHERE ID_SIRKULASI = " & id_sirkulasi & " AND " & _
                        "ID_SALINAN = " & id_salinan
                comm.CommandText = query
                comm.Connection = conn
                dr = comm.ExecuteReader

                While (dr.Read)
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Sirkulasi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
T_Sirkulasi.vb
Visual Basic file
length : 20,807 lines : 542
Ln : 226 Col : 22 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

```

                While (dr.Read)
                    biaya_denda = dr(0)
                End While
                dr.Close()

                If biaya_denda <> 0 Then
                    pil = MessageBox.Show("Denda yang harus dibayar : Rp " & dr(0) & ",00. Bayar?
                    If pil = 1 Then 'PILIH OK
                        mau_bayar_denda = 1
                    Else
                        mau_bayar_denda = 0
                    End If
                Else
                    mau_bayar_denda = 1
                End If

                If mau_bayar_denda = 1 Then
                    'UPDATE TGL_KEMBALI KE DALAM TABEL DET_SIRKULASI
                    query = "UPDATE DET_SIRKULASI " & _
                            "SET TGL_KEMBALI = GETDATE() " & _
                            "WHERE ID_SIRKULASI = " & id_sirkulasi & " AND " & _
                            "ID_SALINAN = " & id_salinan
                    comm.CommandText = query
                    comm.Connection = conn
                    comm.ExecuteScalar()
```

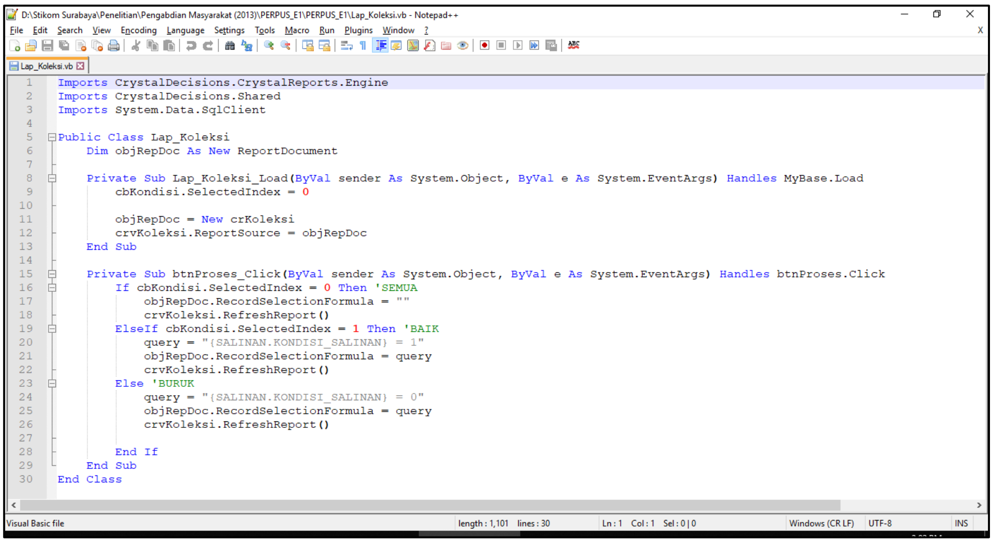

D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Sirkulasi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
T_Sirkulasi.vb
Visual Basic file
length : 20,807 lines : 542
Ln : 226 Col : 22 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

```
                    comm.Connection = conn
                    comm.ExecuteScalar()

                    MessageBox.Show("Koleksi berhasil dikembalikan", ".: Sukses :.", MessageBoxBu

                    'UPDATE STATUS_PINJAM PADA TABEL SALINAN
                    query = "UPDATE SALINAN " & _
                            "SET STATUS_PINJAM = 1 " & _
                            "WHERE ID_SALINAN = " & id_salinan
                    comm.CommandText = query
                    comm.Connection = conn
                    comm.ExecuteScalar()
                End If
            Else
                'txtJenis.Focus()
            End If
        Catch ex As Exception
            MsgBox(ex.Message)
            MsgBox(query)
        Finally
            conn.Close()
        End Try

        ISI_SIRKULASI()
        txtIDSalinan.Text = ""
        txtNamaKoleksi.Text = ""
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Sirkulasi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
T_Sirkulasi.vb
Visual Basic file
length : 20,829 lines : 553
Ln : 553 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

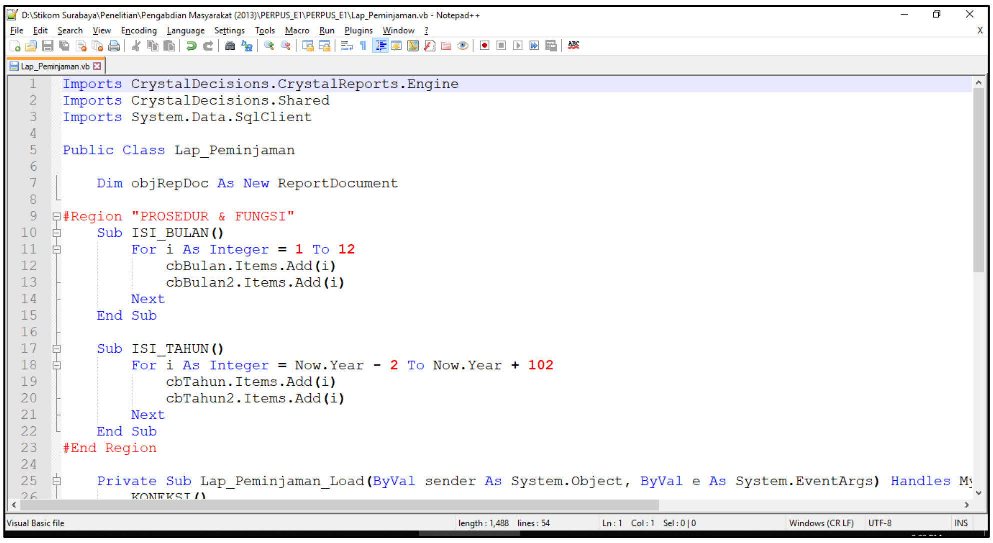
```
        txtIDSalinan.Text = ""
        txtNamaKoleksi.Text = ""
    End Sub

    Private Sub btnBaru_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
        COUNTER_ID()
        txtIDAnggota.Text = ""
        txtNamaAnggota.Text = ""
        txtIDSalinan.Text = ""
        txtNamaKoleksi.Text = ""
        dtSirkulasi.Clear()
        CEK_STATUS(False, False)
    End Sub
End Class
```

13. Form Laporan Koleksi

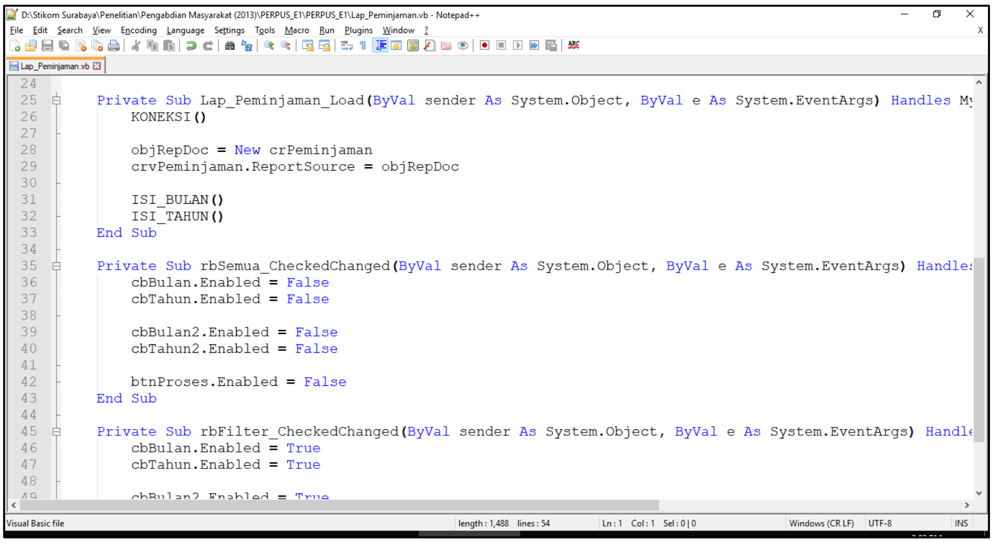

D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\Lap_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
Lap_Koleksi.vb
Visual Basic file
length : 1,101 lines : 30
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

```
Imports CrystalDecisions.CrystalReports.Engine
Imports CrystalDecisions.Shared
Imports System.Data.SqlClient

Public Class Lap_Koleksi
    Dim objRepDoc As New ReportDocument

    Private Sub Lap_Koleksi_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
        cbKondisi.SelectedIndex = 0

        objRepDoc = New crKoleksi
        crvKoleksi.ReportSource = objRepDoc
    End Sub

    Private Sub btnProses_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnProses.Click
        If cbKondisi.SelectedIndex = 0 Then 'SEMUA
            objRepDoc.RecordSelectionFormula = ""
            crvKoleksi.RefreshReport()
        ElseIf cbKondisi.SelectedIndex = 1 Then 'BAIK
            query = "{SALINAN.KONDISI_SALINAN} = 1"
            objRepDoc.RecordSelectionFormula = query
            crvKoleksi.RefreshReport()
        Else 'BURUK
            query = "{SALINAN.KONDISI_SALINAN} = 0"
            objRepDoc.RecordSelectionFormula = query
            crvKoleksi.RefreshReport()

        End If
    End Sub
End Class
```

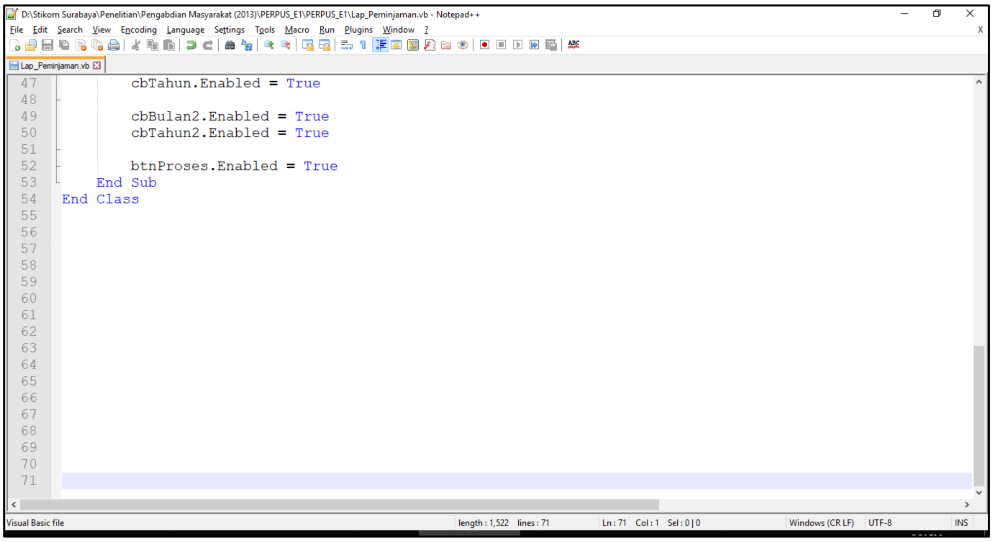
14. Form Laporan Peminjaman


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\Lap_Peminjaman.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
Lap_Peminjaman.vb
Visual Basic file
length : 1,488 lines : 54
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF) UTF-8 INS

```
Imports CrystalDecisions.CrystalReports.Engine
Imports CrystalDecisions.Shared
Imports System.Data.SqlClient

Public Class Lap_Peminjaman

    Dim objRepDoc As New ReportDocument

#Region "PROSEDUR & FUNGSI"
    Sub ISI_BULAN()
        For i As Integer = 1 To 12
            cbBulan.Items.Add(i)
            cbBulan2.Items.Add(i)
        Next
    End Sub

    Sub ISI_TAHUN()
        For i As Integer = Now.Year - 2 To Now.Year + 102
            cbTahun.Items.Add(i)
            cbTahun2.Items.Add(i)
        Next
    End Sub
#End Region

    Private Sub Lap_Peminjaman_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles My
        KONEKSI()
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\Lap_Peminjaman.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
Lap_Peminjaman.vb
Visual Basic file
length : 1,488 lines : 54
Ln : 1 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

```vb

    Private Sub Lap_Peminjaman_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles M
        KONEKSI()

        objRepDoc = New crPeminjaman
        crvPeminjaman.ReportSource = objRepDoc

        ISI_BULAN()
        ISI_TAHUN()
    End Sub

    Private Sub rbSemua_CheckedChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
        cbBulan.Enabled = False
        cbTahun.Enabled = False

        cbBulan2.Enabled = False
        cbTahun2.Enabled = False

        btnProses.Enabled = False
    End Sub

    Private Sub rbFilter_CheckedChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handl
        cbBulan.Enabled = True
        cbTahun.Enabled = True

        cbBulan2.Enabled = True
```


D:\Stikom Surabaya\Penelitian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\Lap_Peminjaman.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
Lap_Peminjaman.vb
Visual Basic file
length : 1,522 lines : 71
Ln : 71 Col : 1 Sel : 0 | 0
Windows (CR LF)
UTF-8
INS

```vb
        cbTahun.Enabled = True

        cbBulan2.Enabled = True
        cbTahun2.Enabled = True

        btnProses.Enabled = True
    End Sub
End Class
```