

APLIKASI PERPUSTAKAAN SD AL ISLAH DAN SDN GUNUNG ANYAR TAMBAK SURABAYA



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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

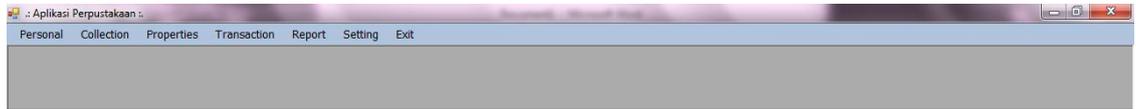
1. Form Login

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.

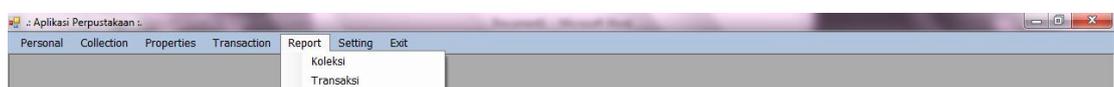
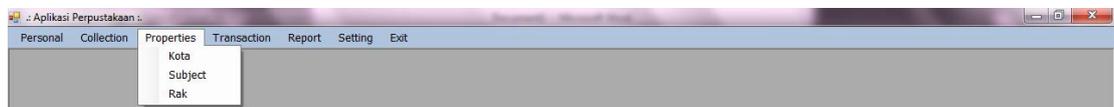


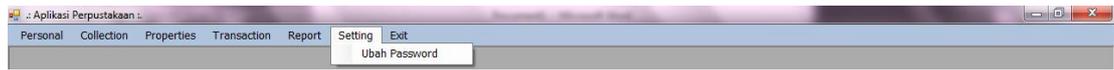
2. Form Menu Utama

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.



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.





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

4. Form Level Anggota

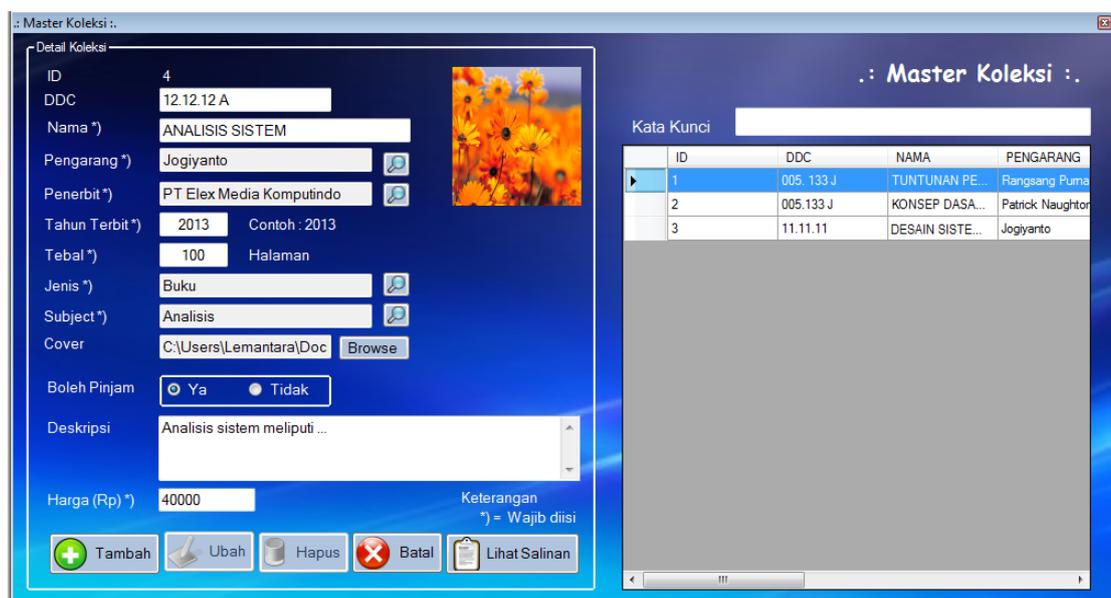
Form level anggota digunakan untuk menyimpan, mengubah, dan menghapus data user, apakah berada di level siswa, guru, karyawan, atau level lainnya. Setiap level memiliki hak akses meminjam koleksi yang berbeda-beda. Untuk menyimpan level anggota, pihak perpustakaan tinggal mengisi nama level lalu tekan 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.



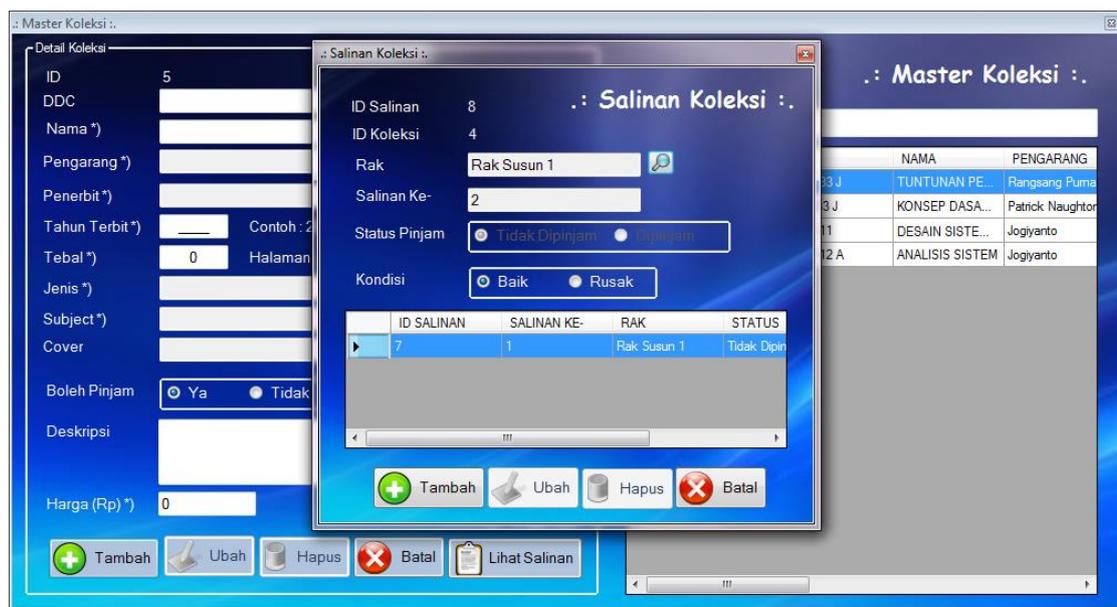
5. Form Master Koleksi

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.



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 salinan 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.



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.

ID	NAMA
2	Rangsang Puma...
3	Patrick Naughton
4	Afryudi
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.

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	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.



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.



12. Form Master Subject

Form master subject digunakan untuk menyimpan, mengubah, dan menghapus data subject 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	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 berbagai 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	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

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

Detail Koleksi

ID: 1
DDC: 005.133 J
Nama: TUNTUNAN PEMROGRAMAN JAVA JILID 1
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.

The screenshot shows the 'Usulan Koleksi Buku' form with a 'Data Anggota' popup window. The main form has fields for 'ID Anggota *)', 'Nama', 'Judul Buku *)', 'Pengarang', and 'Alasan *)', along with 'Simpan' and 'Batal' buttons. The popup window shows a search for 'sul' resulting in a table with one entry.

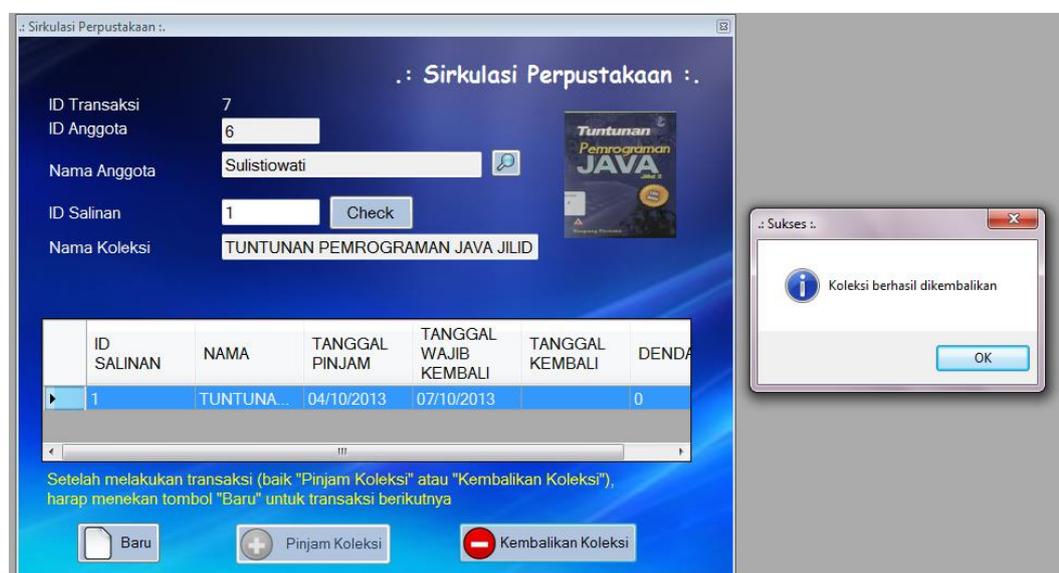
ID	NAMA	LEVEL
6	Sulistiawati	2

The screenshot shows the 'Usulan Koleksi Buku' form with the following data entered: ID Anggota *) 6, Nama Sulistiawati, Judul Buku *) sholat, Pengarang gibran, and Alasan *) bagus. The 'Simpan' button is highlighted in green.

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.



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 peraturan 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.

Detail Peraturan

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

Buttons: Simpan, Ubah, Hapus, Batal

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.

Detail Koleksi

ID Salinan: 2

Nama: TUNTUNAN PEMROGRAMAN JAVA JILID 2

Pengarang: Rangsang Purnama

Jenis: Buku

Subject: Pemrograman

Data Peminjam

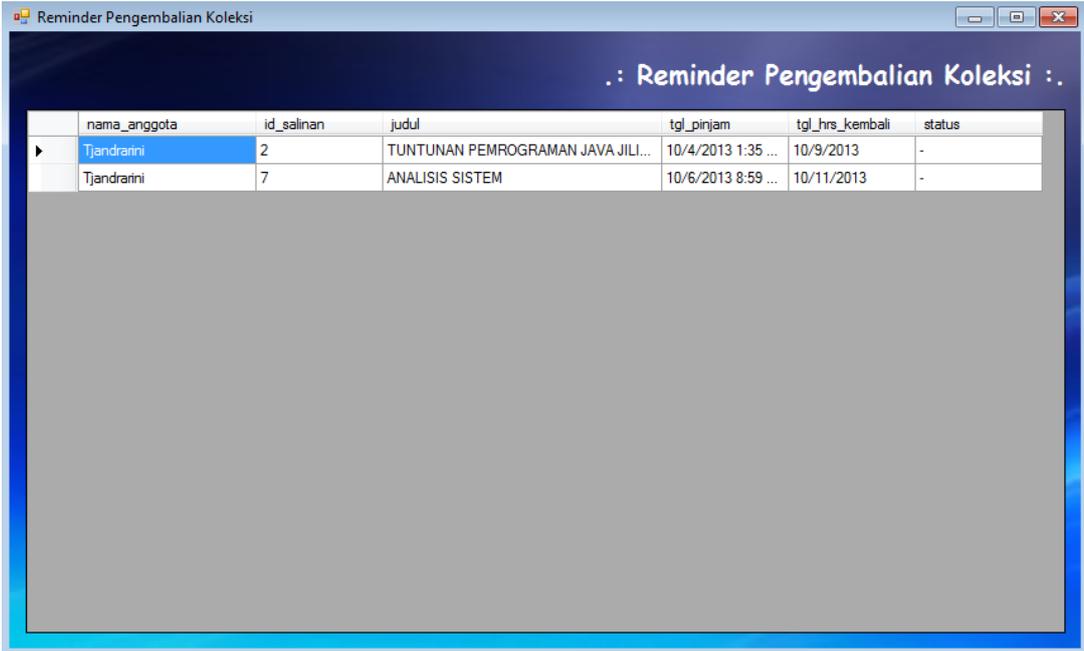
No Induk: 7

Nama: Tjandrani

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

19. Form Reminder Pengembalian

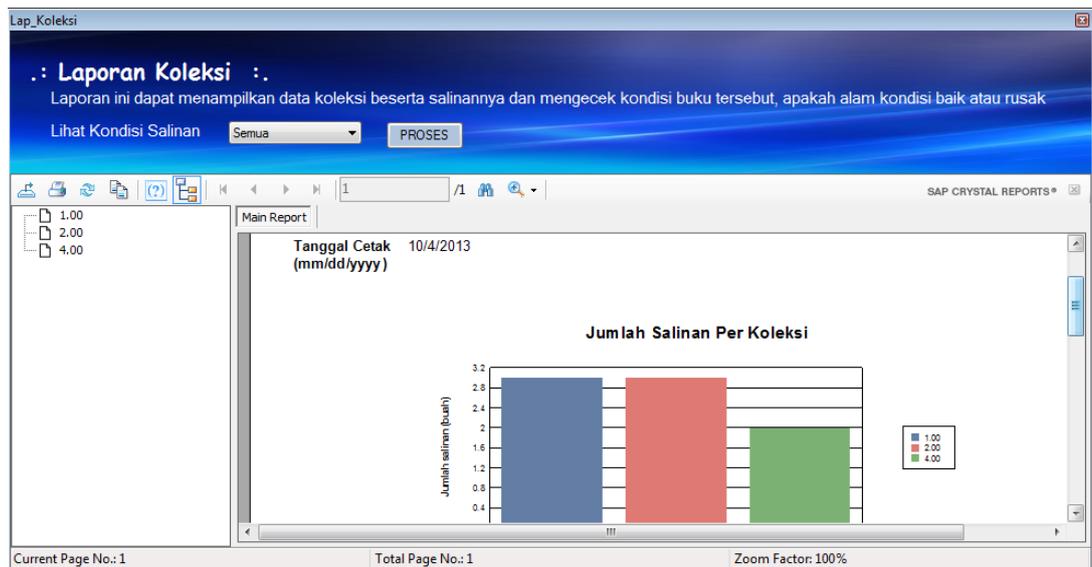
Form reminder pengembalian koleksi ini digunakan untuk menampilkan daftar peminjam siapa saja yang belum mengembalikan koleksi perpustakaan. Aplikasi akan memberikan status TELAT apabila ada peminjam yang belum mengembalikan koleksi melebihi tanggal pengembalian seharusnya. Dengan adanya form ini, petugas 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.



	nama_anggota	id_salinan	judul	tgl_pinjam	tgl_hrs_kembali	status
▶	Tjandranini	2	TUNTUNAN PEMROGRAMAN JAVA JILI...	10/4/2013 1:35 ...	10/9/2013	-
	Tjandranini	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 menampilkan 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.



21. Form Laporan Peminjaman

Form laporan peminjaman berfungsi untuk menampilkan rekap transaksi peminjaman yang terjadi selama periode waktu tertentu. Untuk menampilkan 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.

10/4/2013				
10/4/2013	1:30:57PM	6	Sulistiawati	1.00
10/4/2013	1:33:00PM	7	Sulistiawati	1.00
10/4/2013	1:35:47PM	8	Tjandranani	2.00
Total				3
Grand Total:				9

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.



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

1. Form Login

```
1 Public Class Login
2     Dim cek As Integer = 0
3     Private Sub Login_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
4         KONEKSI ()
5         cbUser.Focus ()
6         cbUser.SelectedIndex = 0
7         txtPass.Text = "12345"
8     End Sub
9
10
11     Private Sub OK_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnL.Click
12         Try
13             cek = 0
14
15             conn.Open ()
16             comm.CommandText = "SELECT * FROM LOGIN"
17             comm.Connection = conn
18
19             dr = comm.ExecuteReader
20             While (dr.Read)
21                 If dr(0) = cbUser.Text And dr(1) = txtPass.Text Then
22                     username = cbUser.Text
23                     Me.Hide ()
24                     Dim x As New Menu
25                     x.Show ()
26                 End If
27             End While
28             cek = 1
29         Catch ex As Exception
30             MessageBox.Show(ex.Message)
31         End Try
32     End Sub
33 End Class
```

```

25         x.Show()
26         cek = 1
27         End If
28     End While
29
30     If cek = 0 Then
31         MessageBox.Show("Username/Pssword salah", ".: Login Gagal .:", MessageBoxButtons.
32
33     End If
34     Catch ex As Exception
35     Finally
36         conn.Close()
37     End Try
38 End Sub
39
40 Private Sub Cancel_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
41     cbUser.SelectedIndex = 0
42     txtPass.Text = ""
43     cbUser.Focus()
44 End Sub
45
46 Private Sub btnExit_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
47     Application.Exit()
48 End Sub
49 End Class

```

2. Form Menu Utama

```

1 Public Class Menu
2
3 #Region "Personal"
4     Private Sub AnggotaToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.E
5         M_Anggota.MdiParent = Me
6         M_Anggota.Show()
7         M_Anggota.Focus()
8     End Sub
9
10    Private Sub LevelAnggotaToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As Sys
11        M_Level_Anggota.MdiParent = Me
12        M_Level_Anggota.Show()
13        M_Level_Anggota.Focus()
14    End Sub
15 #End Region
16
17 #Region "Collection"
18    Private Sub KoleksiToolStripMenuItem1_Click(ByVal sender As System.Object, ByVal e As System.
19        M_Koleksi.MdiParent = Me
20        M_Koleksi.Show()
21        M_Koleksi.Focus()
22    End Sub
23
24    Private Sub PengarangToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System
25        M_Pengarang.MdiParent = Me
26        M_Pengarang.Show()

```

```

25        M_Pengarang.MdiParent = Me
26        M_Pengarang.Show()
27        M_Pengarang.Focus()
28    End Sub
29
30    Private Sub PenerbitToolStripMenuItem1_Click(ByVal sender As System.Object, ByVal e As System
31        M_Penerbit.MdiParent = Me
32        M_Penerbit.Show()
33        M_Penerbit.Focus()
34    End Sub
35
36    Private Sub JenisToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.Eve
37        M_Jenis_Koleksi.MdiParent = Me
38        M_Jenis_Koleksi.Show()
39        M_Jenis_Koleksi.Focus()
40    End Sub
41
42    Private Sub UsulanToolStripMenuItem1_Click(ByVal sender As System.Object, ByVal e As System.E
43        V_Usulan.MdiParent = Me
44        V_Usulan.Show()
45        V_Usulan.Focus()
46    End Sub
47 #End Region
48
49 #Region "Properties"
50    Private Sub KotaToolStripMenuItem1_Click(ByVal sender As System.Object, ByVal e As System.Fro

```



```

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 1
Menu.vb
121 PropertiesToolStripMenuItem.Visible = False
122 ReportToolStripMenuItem.Visible = False
123 SettingToolStripMenuItem.Visible = False
124
125 'menu Transaction
126 SirkulasiToolStripMenuItem.Visible = False
127 RulePeminjamanToolStripMenuItem.Visible = False
128 End If
129 End Sub
130
131 Private Sub DataAnggotaToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As Syst
132     Lap_Anggota.MdiParent = Me
133     Lap_Anggota.Show()
134     Lap_Anggota.Focus()
135 End Sub
136
137 Private Sub PeminjamanKoleksiToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e A
138     Lap_Peminjaman.MdiParent = Me
139     Lap_Peminjaman.Show()
140     Lap_Peminjaman.Focus()
141 End Sub
142
143 Private Sub KatalogKoleksiToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As S
144     T_Katalog.MdiParent = Me
145     T_Katalog.Show()
146     T_Katalog.Focus()
147 End Sub
148
149 Private Sub TransaksiToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System
150     Lap_Transaksi.MdiParent = Me
151     Lap_Transaksi.Show()
152     Lap_Transaksi.Focus()
153 End Sub
154
155 Private Sub KoleksiToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.E
156     Lap_Koleksi.MdiParent = Me
157     Lap_Koleksi.Show()
158     Lap_Koleksi.Focus()
159 End Sub
160 End Class
161
162
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168
Visual Basic file length: 6,488 lines: 160 Ln: 98 Col: 70 Sel: 010 Windows (CR LF) UTF-8 INS

```

```

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 1
Menu.vb
144 T_Katalog.MdiParent = Me
145 T_Katalog.Show()
146 T_Katalog.Focus()
147 End Sub
148
149 Private Sub TransaksiToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System
150     Lap_Transaksi.MdiParent = Me
151     Lap_Transaksi.Show()
152     Lap_Transaksi.Focus()
153 End Sub
154
155 Private Sub KoleksiToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.E
156     Lap_Koleksi.MdiParent = Me
157     Lap_Koleksi.Show()
158     Lap_Koleksi.Focus()
159 End Sub
160 End Class
161
162
163
164
165
166
167
168
Visual Basic file length: 6,504 lines: 168 Ln: 168 Col: 1 Sel: 010 Windows (CR LF) UTF-8 INS

```

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 1
M_Anggota.vb
1 Imports System.Data.SqlClient
2 Public Class M_Anggota
3
4     Sub format ()
5         Try
6             conn.Open()
7         Catch ex As Exception
8             MsgBox(ex.Message)
9         Finally
10            conn.Close()
11        End Try
12    End Sub
13
14    #Region "PROSEDUR & FUNGSI"
15
16    Sub COUNTER_ID ()
17        Try
18            conn.Open()
19            comm.CommandText = "SELECT MAX(ID_ANGGOTA) FROM ANGGOTA"
20            comm.Connection = conn
21
22            dr = comm.ExecuteReader
23            While dr.Read
24                If IsDBNull(dr(0)) = True Then
25                    lblID.Text = 1
26                Else
27
28                End If
29            End While
30        End Try
31    End Sub
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D:\Stikom Surabaya\Penditeian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1M_Anggota.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
M_Anggota.vb [2]
25         lblID.Text = 1
26     Else
27         lblID.Text = dr(0) + 1
28     End If
29 End While
30 Catch ex As Exception
31     MsgBox(ex.Message)
32 Finally
33     conn.Close()
34 End Try
35 End Sub
36
37 Sub DATA_ANGGOTA()
38     Try
39         conn.Open()
40         dtAnggota.Clear()
41         query = "SELECT ID ANGGOTA 'ID', NAMA ANGGOTA 'NAMA', NAMA_LEVEL 'LEVEL', STATUS_ANGG
42             "FROM ANGGOTA A, LEVEL_ANGGOTA LA " & _
43             "WHERE A.ID LEVEL = LA.ID_LEVEL"
44         'query = "SELECT * FROM ANGGOTA "
45         da = New SqlDataAdapter(query, conn)
46         da.Fill(dtAnggota)
47
48         'RENAME NAMA HEADER TABEL
49         'With dtAnggota
50             Columns(0).ColumnName = "ID"
```

```
D:\Stikom Surabaya\Penditeian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1M_Anggota.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
M_Anggota.vb [2]
49         'With dtAnggota
50             .Columns(0).ColumnName = "ID"
51             .Columns(1).ColumnName = "NAMA"
52             .Columns(2).ColumnName = "LEVEL"
53             .Columns(3).ColumnName = "STATUS"
54         'End With
55
56         dv = dtAnggota.DefaultView
57         dgvAnggota.DataSource = dv
58     Catch ex As Exception
59         MsgBox(ex.Message)
60 Finally
61     conn.Close()
62 End Try
63 End Sub
64
65 Sub ISI_LEVEL()
66     Try
67         conn.Open()
68         query = "SELECT * FROM LEVEL_ANGGOTA"
69         da = New SqlDataAdapter(query, conn)
70         da.Fill(dtLevel1)
71
72         da.MissingSchemaAction = MissingSchemaAction.AddWithKey
73         cbLevel.DataSource = dtLevel1
74         cbLevel.DisplayMember = "NAMA_LEVEL"
```

```
D:\Stikom Surabaya\Penditeian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1M_Anggota.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
M_Anggota.vb [2]
73         cbLevel.DataSource = dtLevel1
74         cbLevel.DisplayMember = "NAMA_LEVEL"
75         cbLevel.ValueMember = "ID_LEVEL"
76
77         'comm.CommandText = "SELECT * FROM LEVEL_ANGGOTA"
78         'comm.Connection = conn
79
80         'dr = comm.ExecuteReader
81         'While dr.Read
82             cbLevel.Items.Add(dr(1)).ToString
83         'End While
84
85     Catch ex As Exception
86         MsgBox(ex.Message)
87 Finally
88     conn.Close()
89 End Try
90 End Sub
91
92 Sub ISI_STATUS()
93     cbStatus.Items.Add("Aktif")
94     cbStatus.Items.Add("Tidak Aktif")
95     cbStatus.SelectedIndex = 0
96 End Sub
97
98 Sub CEK_STATUS()
```

```
D:\Stikom Surabaya\Penditian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1M_Anggota.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
M_Anggota.vb [2]
97
98 Sub CEK_STATUS ()
99     If CbStatus.SelectedIndex = 0 Then
100         nilai = 1
101     Else
102         nilai = 0
103     End If
104 End Sub
105
106 Sub CEK_BUTTON(ByVal simpan As Integer, ByVal ubah As Integer, ByVal hapus As Integer, ByVal
107 With btnSimpan
108     If simpan = 1 Then
109         .Enabled = True
110     Else
111         .Enabled = False
112     End If
113 End With
114
115 With btnUbah
116     If ubah = 1 Then
117         .Enabled = True
118     Else
119         .Enabled = False
120     End If
121 End With
122
```

```
D:\Stikom Surabaya\Penditian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1M_Anggota.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
M_Anggota.vb [2]
121 End With
122
123 With btnHapus
124     If hapus = 1 Then
125         .Enabled = True
126     Else
127         .Enabled = False
128     End If
129 End With
130
131 With btnBatal
132     If batal = 1 Then
133         .Enabled = True
134     Else
135         .Enabled = False
136     End If
137 End With
138 End Sub
139
140 Sub BERSIH ()
141 For Each edo As Control In Me.Controls
142     If TypeOf (edo) Is TextBox Then
143         edo.Text = ""
144     End If
145 Next
146
```

```
D:\Stikom Surabaya\Penditian\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1M_Anggota.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
M_Anggota.vb [2]
145 Next
146
147 txtNama.Text = ""
148 cbLevel.SelectedIndex = 0
149 cbStatus.SelectedIndex = 0
150 End Sub
151
152 Sub SIMPAN_DATA(ByVal id_anggota As Object, ByVal nama As String, ByVal id_level As Integer,
153 Try
154     pil = MessageBox.Show("Simpan Data?", ".: Konfirmasi Simpan Data .:", MessageBoxButtons
155     If pil = 1 Then 'PILIH OK
156         conn.Open ()
157         comm.CommandText = "INSERT INTO ANGGOTA " &
158             "VALUES (" & id_anggota & ", " & nama & ", " & id_level & ", " & i
159         comm.Connection = conn
160
161         comm.ExecuteNonQuery ()
162
163         MessageBox.Show("Data berhasil disimpan", ".: Sukses .:", MessageBoxButtons.OK, M
164         BERSIH ()
165         CEK_BUTTON (1, 0, 0, 1)
166         conn.Close ()
167         dtAnggota.Clear ()
168         DATA_ANGGOTA ()
169         COUNTER_ID ()
170     Else
171
```

```

169         COUNTER_ID ()
170     Else
171         txtNama.Focus ()
172     End If
173     Catch ex As Exception
174         MsgBox(ex.Message)
175     Finally
176         'conn.Close()
177     End Try
178 End Sub
179
180 Sub UBAH_DATA(ByVal id_anggota As Object, ByVal nama As String, ByVal id_level As Integer, By
181 Try
182     pil = MsgBox.Show("Ubah Data?", ".: Konfirmasi Ubah Data .:", MessageBoxButtons.O
183     If pil = 1 Then 'PILIH OK
184         conn.Open()
185         comm.CommandText = "UPDATE ANGGOTA " & _
186             "SET NAMA_ANGGOTA='" & nama & "',ID_LEVEL=" & id_level & ",ST
187             "WHERE ID_ANGGOTA=" & id_anggota & ""
188         comm.Connection = conn
189
190         comm.ExecuteNonQuery()
191
192         MsgBox.Show("Data berhasil dirubah", ".: Sukses .:", MessageBoxButtons.OK, Me
193     BERSIH ()
194     CEK_BUTTON(1, 0, 0, 1)

```

```

193     BERSIH ()
194     CEK_BUTTON(1, 0, 0, 1)
195     conn.Close ()
196     dtAnggota.Clear ()
197     DATA_ANGGOTA ()
198     COUNTER_ID ()
199     Else
200         txtNama.Focus ()
201     End If
202     Catch ex As Exception
203         MsgBox(ex.Message)
204     Finally
205         'conn.Close()
206     End Try
207 End Sub
208
209 Sub FILTER_CARI(ByVal id As Boolean, ByVal nama As Boolean, ByVal cari As Object)
210     If cari = "" Then
211         dv.RowFilter = ""
212     ElseIf id = True And IsNumeric(cari) Then
213         dv.RowFilter = "ID = " & CInt(cari) & ""
214     End If
215     If nama = True Then
216         dv.RowFilter = "NAMA LIKE '%" & cari & "%'"
217     End If
218     dgvAnggota.DataSource = dv

```

```

217     End If
218     dgvAnggota.DataSource = dv
219     lblJumlah.Text = "Total : " & dgvAnggota.Rows.Count & " orang"
220 End Sub
221
222 Function CEK_STATUS(ByVal id As Integer) As String
223     If id = 1 Then
224         Return "Aktif"
225     Else 'id = 0
226         Return "Tidak Aktif"
227     End If
228 End Function
229 #End Region
230
231 Private Sub Anggota_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
232     KONEKSI ()
233
234     COUNTER_ID ()
235     ISI_LEVEL ()
236     ISI_STATUS ()
237     DATA_ANGGOTA ()
238
239     CEK_BUTTON(1, 0, 0, 1)
240     ' ISI_CARI ()
241     FILTER_CARI(rbID.Checked, rbNama.Checked, txtCari.Text)
242 End Sub

```

```

241     FILTER_CARI(rbID.Checked, rbNama.Checked, txtCari.Text)
242 End Sub
243
244 Private Sub dgvAnggota_CellClick(ByVal sender As Object, ByVal e As System.Windows.Forms.Data
245 dgvRow = dgvAnggota.Rows(dgvAnggota.CurrentRow.Index)
246 lblID.Text = dgvRow.Cells(0).Value
247 txtNama.Text = dgvRow.Cells(1).Value
248 cbLevel.Text = dgvRow.Cells(2).Value
249 cbStatus.Text = CEK_STATUS(dgvRow.Cells(3).Value)
250
251     CEK_BUTTON(0, 1, 1, 1)
252
253 End Sub
254
255 Private Sub dgvAnggota_CellContentClick(ByVal sender As System.Object, ByVal e As System.Wind
256
257 End Sub
258
259 Private Sub txtCari_KeyUp(ByVal sender As Object, ByVal e As System.Windows.Forms.KeyEventArg
260     FILTER_CARI(rbID.Checked, rbNama.Checked, txtCari.Text)
261 End Sub
262
263 Private Sub txtCari_TextChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) H
264
265 End Sub

```

```

265 End Sub
266
267 Private Sub rbID_CheckedChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) H
268     txtCari.Text = ""
269     dv.RowFilter = ""
270 End Sub
271
272 Private Sub rbNama_CheckedChanged(ByVal sender As System.Object, ByVal e As System.EventArgs)
273     txtCari.Text = ""
274     dv.RowFilter = ""
275 End Sub
276
277 Private Sub btnSimpan_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handl
278     CEK_STATUS()
279     Dim status As Integer = CType(cbLevel.SelectedValue, Integer)
280     SIMPAN_DATA(lblID.Text, txtNama.Text, status, nilai)
281
282 End Sub
283
284 Private Sub btnUbah_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
285     CEK_STATUS()
286     Dim status As Integer = CType(cbLevel.SelectedValue, Integer)
287
288     UBAH_DATA(lblID.Text, txtNama.Text, status, nilai)
289
290 End Sub

```

```

289 End Sub
290
291
292 Private Sub btnHapus_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
293     Try
294         pil = MessageBox.Show("Hapus Data?", ".: Konfirmasi Hapus Data .:", MessageBoxButtons
295         If pil = 1 Then 'PILIH OK
296             conn.Open()
297             comm.CommandText = "DELETE FROM ANGGOTA" & "
298                 "WHERE ID_ANGGOTA=" & lblID.Text & ""
299             comm.Connection = conn
300
301             comm.ExecuteNonQuery()
302
303             MessageBox.Show("Data berhasil dihapus", ".: Sukses .:", MessageBoxButtons.OK, Me
304             BERSIH()
305             CEK_BUTTON(1, 0, 0, 1)
306             conn.Close()
307             dtAnggota.Clear()
308             DATA_ANGGOTA()
309             COUNTER_ID()
310         Else
311             txtNama.Focus()
312         End If
313     Catch ex As Exception
314         MsgBox(ex.Message)

```

```

313     Catch ex As Exception
314         MsgBox(ex.Message)
315     Finally
316         'conn.Close()
317     End Try
318 End Sub
319
320 Private Sub btnBatal_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
321     BERSIH()
322     CEK_BUTTON(1, 0, 0, 1)
323     COUNTER_ID()
324 End Sub
325
326 End Class
327
328
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337

```

4. Form Level Anggota

```

1 Imports System.Data.SqlClient
2 Public Class M_Level_Anggota
3     #Region "PROSEDUR & FUNGSI"
4     Sub COUNTER_ID()
5         Try
6             conn.Open()
7             comm.CommandText = "SELECT MAX(ID_LEVEL) FROM LEVEL_ANGGOTA"
8             comm.Connection = conn
9
10            dr = comm.ExecuteReader
11            While dr.Read
12                If IsDBNull(dr(0)) = True Then
13                    lblID.Text = 1
14                Else
15                    lblID.Text = dr(0) + 1
16                End If
17            End While
18        Catch ex As Exception
19            MsgBox(ex.Message)
20        Finally
21            conn.Close()
22        End Try
23    End Sub
24
25    Sub ISI_LEVEL_ANGGOTA()
26        Try

```

```

25    Sub ISI_LEVEL_ANGGOTA()
26        Try
27            conn.Open()
28            dtLevel.Clear()
29            query = "SELECT ID_LEVEL 'ID LEVEL', NAMA_LEVEL 'NAMA LEVEL' FROM LEVEL_ANGGOTA"
30            da = New SqlDataAdapter(query, conn)
31            da.Fill(dtLevel)
32            da.MissingSchemaAction = MissingSchemaAction.AddWithKey
33
34            dgvLevel.DataSource = dtLevel
35        Catch ex As Exception
36            MsgBox(ex.Message)
37        Finally
38            conn.Close()
39        End Try
40    End Sub
41
42    Sub CEK_BUTTON(ByVal simpan As Integer, ByVal ubah As Integer, ByVal hapus As Integer, ByVal
43        With btnSimpan
44            If simpan = 1 Then
45                .Enabled = True
46            Else
47                .Enabled = False
48            End If
49        End With
50

```

```
49         End With
50
51         With btnUbah
52             If ubah = 1 Then
53                 .Enabled = True
54             Else
55                 .Enabled = False
56             End If
57         End With
58
59         With btnHapus
60             If hapus = 1 Then
61                 .Enabled = True
62             Else
63                 .Enabled = False
64             End If
65         End With
66
67         With btnBatal
68             If batal = 1 Then
69                 .Enabled = True
70             Else
71                 .Enabled = False
72             End If
73         End With
74     End Sub
```

```
73         End With
74     End Sub
75
76     Sub BERSIH ()
77         txtNama.Text = ""
78     End Sub
79 #End Region
80
81     Private Sub M_Level_Anggota_Load(ByVal sender As System.Object, ByVal e As System.EventArgs)
82         KONEKSI ()
83         COUNTER_ID ()
84         ISI_LEVEL_ANGGOTA ()
85         CEK_BUTTON(1, 0, 0, 1)
86     End Sub
87
88     Private Sub btnSimpan_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
89         Try
90             pil = MessageBox.Show("Simpan Data?", ".: Konfirmasi Simpan Data :.", MessageBoxButtons.O
91             If pil = 1 Then 'PILIH OK
92                 conn.Open ()
93                 comm.CommandText = "INSERT INTO LEVEL_ANGGOTA " & _
94                     "VALUES (" & lblID.Text & ", " & txtNama.Text & ")"
95                 comm.Connection = conn
96                 comm.ExecuteNonQuery ()
97             End If
```

```
97             comm.ExecuteNonQuery ()
98
99             MessageBox.Show("Data berhasil disimpan", ".: Sukses :.", MessageBoxButtons.OK, M
100         BERSIH ()
101         CEK_BUTTON(1, 0, 0, 1)
102         conn.Close ()
103         dtLevel.Clear ()
104         ISI_LEVEL_ANGGOTA ()
105         COUNTER_ID ()
106     Else
107         txtNama.Focus ()
108     End If
109     Catch ex As Exception
110         MsgBox(ex.Message)
111     Finally
112         'conn.Close ()
113     End Try
114 End Sub
115
116 Private Sub btnUbah_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
117     Try
118         pil = MessageBox.Show("Ubah Data?", ".: Konfirmasi Ubah Data :.", MessageBoxButtons.O
119         If pil = 1 Then 'PILIH OK
120             conn.Open ()
121             comm.CommandText = "UPDATE LEVEL_ANGGOTA " & _
122                 "SET NAMA_LEVEL = " & txtNama.Text & " " &
```

```

121         comm.CommandText = "UPDATE LEVEL ANGGOTA " & _
122             "SET NAMA_LEVEL =" & txtNama.Text & " " & _
123             "WHERE ID_LEVEL=" & lblID.Text & " "
124         comm.Connection = conn
125
126         comm.ExecuteNonQuery()
127
128         MessageBox.Show("Data berhasil dirubah", ".: Sukses .:", MessageBoxButtons.OK, Me
129         BERSIH()
130         CEK_BUTTON(1, 0, 0, 1)
131         conn.Close()
132         dtLevel.Clear()
133         ISI_LEVEL_ANGGOTA()
134         COUNTER_ID()
135     Else
136         txtNama.Focus()
137     End If
138     Catch ex As Exception
139         MsgBox(ex.Message)
140     Finally
141         'conn.Close()
142     End Try
143 End Sub
144
145 Private Sub btnHapus_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
146     Try
147         pil = MessageBox.Show("Hapus Data?", ".: Konfirmasi Hapus Data .:", MessageBoxButtons
148         If pil = 1 Then 'PILIH OK
149             conn.Open()
150             comm.CommandText = "DELETE FROM LEVEL ANGGOTA " & _
151                 "WHERE ID_LEVEL=" & lblID.Text & " "
152             comm.Connection = conn
153
154             comm.ExecuteNonQuery()
155
156             MessageBox.Show("Data berhasil dihapus", ".: Sukses .:", MessageBoxButtons.OK, Me
157             BERSIH()
158             CEK_BUTTON(1, 0, 0, 1)
159             conn.Close()
160             dtLevel.Clear()
161             ISI_LEVEL_ANGGOTA()
162             COUNTER_ID()
163         Else
164             txtNama.Focus()
165         End If
166         Catch ex As Exception
167             MsgBox(ex.Message)
168         Finally
169             'conn.Close()
170         End Try
171     End Sub
172
173 Private Sub btnBatal_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
174     BERSIH()
175     CEK_BUTTON(1, 0, 0, 1)
176     COUNTER_ID()
177 End Sub
178
179 Private Sub dgvLevel_CellClick(ByVal sender As Object, ByVal e As System.Windows.Forms.DataGr
180     dgvRow = dgvLevel.Rows(dgvLevel.CurrentRow.Index)
181     lblID.Text = dgvRow.Cells(0).Value
182     txtNama.Text = dgvRow.Cells(1).Value
183
184     CEK_BUTTON(0, 1, 1, 1)
185 End Sub
186
187 Private Sub dgvLevel_CellContentClick(ByVal sender As System.Object, ByVal e As System.Window
188
189 End Sub
190
191 End Class
192
193

```

```

145 Private Sub btnHapus_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
146     Try
147         pil = MessageBox.Show("Hapus Data?", ".: Konfirmasi Hapus Data .:", MessageBoxButtons
148         If pil = 1 Then 'PILIH OK
149             conn.Open()
150             comm.CommandText = "DELETE FROM LEVEL ANGGOTA " & _
151                 "WHERE ID_LEVEL=" & lblID.Text & " "
152             comm.Connection = conn
153
154             comm.ExecuteNonQuery()
155
156             MessageBox.Show("Data berhasil dihapus", ".: Sukses .:", MessageBoxButtons.OK, Me
157             BERSIH()
158             CEK_BUTTON(1, 0, 0, 1)
159             conn.Close()
160             dtLevel.Clear()
161             ISI_LEVEL_ANGGOTA()
162             COUNTER_ID()
163         Else
164             txtNama.Focus()
165         End If
166         Catch ex As Exception
167             MsgBox(ex.Message)
168         Finally
169             'conn.Close()
170         End Try
171     End Sub
172
173 Private Sub btnBatal_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
174     BERSIH()
175     CEK_BUTTON(1, 0, 0, 1)
176     COUNTER_ID()
177 End Sub
178
179 Private Sub dgvLevel_CellClick(ByVal sender As Object, ByVal e As System.Windows.Forms.DataGr
180     dgvRow = dgvLevel.Rows(dgvLevel.CurrentRow.Index)
181     lblID.Text = dgvRow.Cells(0).Value
182     txtNama.Text = dgvRow.Cells(1).Value
183
184     CEK_BUTTON(0, 1, 1, 1)
185 End Sub
186
187 Private Sub dgvLevel_CellContentClick(ByVal sender As System.Object, ByVal e As System.Window
188
189 End Sub
190
191 End Class
192
193

```

```

169         'conn.Close()
170     End Try
171 End Sub
172
173 Private Sub btnBatal_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
174     BERSIH()
175     CEK_BUTTON(1, 0, 0, 1)
176     COUNTER_ID()
177 End Sub
178
179 Private Sub dgvLevel_CellClick(ByVal sender As Object, ByVal e As System.Windows.Forms.DataGr
180     dgvRow = dgvLevel.Rows(dgvLevel.CurrentRow.Index)
181     lblID.Text = dgvRow.Cells(0).Value
182     txtNama.Text = dgvRow.Cells(1).Value
183
184     CEK_BUTTON(0, 1, 1, 1)
185 End Sub
186
187 Private Sub dgvLevel_CellContentClick(ByVal sender As System.Object, ByVal e As System.Window
188
189 End Sub
190
191 End Class
192
193

```

5. Form Master Koleksi

```
1 Imports System.Data.SqlClient
2 Imports System.io
3 Public Class M_Koleksi
4
5     Dim index_bulan(12) As String
6     Dim _path As String = My.Application.Info.DirectoryPath & "\Resources\Address-Book-256x256.PNG"
7     Dim _path2 As String = My.Application.Info.DirectoryPath
8     Dim cmd As New SqlCommand
9
10    #Region "PROSEDUR & FUNGSI"
11    Sub COUNTER_ID()
12        Try
13            conn.Open()
14            cmd.CommandText = "SELECT MAX(ID_KOLEKSI) FROM KOLEKSI"
15            cmd.Connection = conn
16
17            dr = cmd.ExecuteReader
18            While dr.Read
19                If IsDBNull(dr(0)) = True Then
20                    lblID.Text = 1
21                Else
22                    lblID.Text = dr(0) + 1
23                End If
24            End While
25        Catch ex As Exception
26            MsgBox(ex.Message)
27        End Try
28    End Sub
29
30 End Class
```

```
25 Catch ex As Exception
26     MsgBox(ex.Message)
27 Finally
28     conn.Close()
29 End Try
30 End Sub
31
32 Sub CEK BUTTON(ByVal simpan As Integer, ByVal ubah As Integer, ByVal hapus As Integer, ByVal
33     With btnTambah
34         If simpan = 1 Then
35             .Enabled = True
36         Else
37             .Enabled = False
38         End If
39     End With
40
41     With btnUbah
42         If ubah = 1 Then
43             .Enabled = True
44         Else
45             .Enabled = False
46         End If
47     End With
48
49     With btnHapus
50         If hapus = 1 Then
51             .Enabled = True
52         Else
53             .Enabled = False
54         End If
55     End With
56
57     With btnBatal
58         If batal = 1 Then
59             .Enabled = True
60         Else
61             .Enabled = False
62         End If
63     End With
64 End Sub
65
66 Sub ISI_KOLEKSI()
67     Try
68         dtKoleksi.Clear()
69         conn.Open()
70
71         query = "SELECT K.ID_KOLEKSI 'ID', K.DDC, K.NAMA_KOLEKSI 'NAMA', PG.NAMA PENGARANG 'P'
72             'FROM KOLEKSI K, PENERBIT PT, SUBJECT S, JENIS_KOLEKSI JK, PENGARANG PG, KARA
73             'WHERE K.ID_PENERBIT = PT.ID_PENERBIT AND " & _
74             "K.ID_SUBJECT = S.ID_SUBJECT AND " & _
```

```
49     With btnHapus
50         If hapus = 1 Then
51             .Enabled = True
52         Else
53             .Enabled = False
54         End If
55     End With
56
57     With btnBatal
58         If batal = 1 Then
59             .Enabled = True
60         Else
61             .Enabled = False
62         End If
63     End With
64 End Sub
65
66 Sub ISI_KOLEKSI()
67     Try
68         dtKoleksi.Clear()
69         conn.Open()
70
71         query = "SELECT K.ID_KOLEKSI 'ID', K.DDC, K.NAMA_KOLEKSI 'NAMA', PG.NAMA PENGARANG 'P'
72             'FROM KOLEKSI K, PENERBIT PT, SUBJECT S, JENIS_KOLEKSI JK, PENGARANG PG, KARA
73             'WHERE K.ID_PENERBIT = PT.ID_PENERBIT AND " & _
74             "K.ID_SUBJECT = S.ID_SUBJECT AND " & _
```

```

73         "WHERE K.ID PENERBIT = PT.ID PENERBIT AND " & _
74         "K.ID SUBJECT = S.ID SUBJECT AND " & _
75         "K.ID JENIS = JK.ID JENIS AND " & _
76         "PG.ID PENGARANG = KN.ID PENGARANG AND " & _
77         "K.ID KOLEKSI = KN.ID KOLEKSI"
78     da = New SqlDataAdapter(query, conn)
79     da.Fill(dtKoleksi)
80     da.MissingSchemaAction = MissingSchemaAction.AddWithKey
81
82     dv = dtKoleksi.DefaultView
83     dgvKoleksi.DataSource = dv
84
85     Catch ex As Exception
86         MsgBox(ex.Message)
87     Finally
88         conn.Close()
89     End Try
90 End Sub
91
92
93 Sub BERSIH ()
94     For Each edo As Control In Me.GroupBox1.Controls
95         If TypeOf (edo) Is TextBox Then
96             edo.Text = ""
97         End If
98     Next

```

```

97     End If
98 Next
99
100     rbYa.Checked = True
101     pbView.Visible = False
102 End Sub
103
104 Function CEK_STATUS(ByVal x As RadioButton) As Integer
105     If (x.Checked = True) Then
106         Return 1
107     Else
108         Return 0
109     End If
110 End Function
111
112 Function AMBIL_DATA_TANGGAL_TERBIT(ByVal tahun As String) As Date
113     Return "01" & "/" & "7" & "/" & "01" & "/" & tahun
114 End Function
115 #End Region
116
117 Private Sub M_Koleksi_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
118     KONEKSI ()
119     COUNTER_ID ()
120     ISI_KOLEKSI ()
121     ' ISI_BULAN ()
122     CEK_BUTTON (1, 0, 0, 1)

```

```

121     ' ISI_BULAN ()
122     CEK_BUTTON (1, 0, 0, 1)
123 End Sub
124
125 Private Sub btnPengarang_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Ha
126     V_Pengarang.Show ()
127     V_Pengarang.txtCari.Focus ()
128 End Sub
129
130 Private Sub btnPenerbit_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Han
131     V_Penerbit.Show ()
132     V_Penerbit.txtCari.Focus ()
133 End Sub
134
135 Private Sub btnJenis_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
136     nama_form = Me.Name
137
138     V_Jenis.Show ()
139     V_Jenis.txtCari.Focus ()
140 End Sub
141
142 Private Sub btnSubject_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Hand
143     V_Subject.Show ()
144     V_Subject.txtCari.Focus ()
145 End Sub

```

```

145     End Sub
146
147     Private Sub btnSimpan_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handl
148     Try
149         pil = MessageBox.Show("Simpan Data?", ".: Konfirmasi Simpan Data :.", MessageBoxButtons
150         If pil = 1 Then 'PILIH OK
151             Dim nilai As Integer = CEK_STATUS(rbYa)
152             Dim tanggal_terbit As Date = AMBIL_DATA_TANGGAL_TERBIT(txtTahun.Text)
153
154             conn.Open()
155             comm.CommandText = "INSERT INTO KOLEKSI(ID KOLEKSI, ID SUBJECT, ID PENERBIT, ID_J
156             "VALUES (" & lblID.Text & "," & id_subject & ", " & id_penerbit &
157
158             comm.ExecuteNonQuery()
159
160             comm.CommandText = "INSERT INTO KARANGAN " & _
161             "VALUES (" & lblID.Text & "," & id_pengarang & ")"
162             comm.Connection = conn
163             comm.ExecuteNonQuery()
164
165             '=====
166             'insert gambar ke dalam database
167             If txtCover.Text = "" Then
168             Else
169                 Dim sql As String = "UPDATE KOLEKSI SET COVER = @cover WHERE ID_KOLEKSI = " &
170                 cmd = New SqlCommand(sql, conn)

```

```

169                 Dim sql As String = "UPDATE KOLEKSI SET COVER = @cover WHERE ID_KOLEKSI = " &
170                 cmd = New SqlCommand(sql, conn)
171                 Dim p As New SqlParameter("@cover", SqlDbType.Image)
172                 p.Value = IO.File.ReadAllBytes(_path)
173                 cmd.Parameters.Add(p)
174                 cmd.ExecuteNonQuery()
175                 cmd.Dispose()
176             End If
177             '=====
178
179             MessageBox.Show("Data berhasil disimpan. Jangan lupa mengisi lokasi rak dan kondi
180             CEK_BUTTON(1, 0, 0, 1)
181             conn.Close()
182         Else
183             txtNama.Focus()
184         End If
185     Catch ex As Exception
186         MsgBox(ex.Message)
187     Finally
188         conn.Close()
189     End Try
190
191     '=====
192     id_koleksi = lblID.Text
193     M_Salinan.Show()
194     '=====

```

```

193     M_Salinan.Show()
194     '=====
195     BERSIH()
196     dtKoleksi.Clear()
197     ISI_KOLEKSI()
198
199     COUNTER_ID()
200 End Sub
201
202 Private Sub btnUbah_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
203 Try
204     pil = MessageBox.Show("Ubah Data?", ".: Konfirmasi Ubah Data :.", MessageBoxButtons.O
205     If pil = 1 Then 'PILIH OK
206
207         Dim nilai As Integer = CEK_STATUS(rbYa)
208         Dim tanggal_terbit As Date = AMBIL_DATA_TANGGAL_TERBIT(txtTahun.Text)
209
210         conn.Open()
211         comm.CommandText = "UPDATE KOLEKSI " & _
212         "SET ID_SUBJECT = " & id_subject & ", ID_PENERBIT = " & id_penerb
213         "WHERE ID_KOLEKSI = " & lblID.Text & ""
214         comm.Connection = conn
215
216         comm.ExecuteNonQuery()
217
218         comm.CommandText = "UPDATE KARANGAN " & _

```

```

217
218
219     comm.CommandText = "UPDATE KARANGAN " & _
220     "SET ID_PENGARANG = " & id_pengarang & " " & _
221     "WHERE ID_KOLEKSI = " & lblID.Text & ""
222
223     comm.Connection = conn
224
225     comm.ExecuteNonQuery()
226
227     If img.ToString.Equals(pbView.Image.ToString) Then
228     Else
229         Dim sql As String = "UPDATE KOLEKSI SET COVER = @cover WHERE ID_KOLEKSI = " &
230         cmd = New SqlCommand(sql, conn)
231         Dim p As New SqlParameter("@cover", SqlDbType.Image)
232         p.Value = IO.File.ReadAllBytes(_path)
233         cmd.Parameters.Add(p)
234         cmd.ExecuteNonQuery()
235         cmd.Dispose()
236     End If
237     '=====
238     MsgBox.Show("Data berhasil dirubah", ".: Sukses :.", MessageBoxButtons.OK, Me
239
240     Else
241         txtNama.Focus()
242     End If
243
244     Catch ex As Exception
245         MsgBox(ex.Message)
246     Finally

```

```

241         MsgBox(ex.Message)
242     Finally
243         conn.Close()
244     End Try
245     '=====
246     BERSIH()
247     CEK_BUTTON(1, 0, 0, 1)
248     conn.Close()
249     dtKoleksi.Clear()
250     ISI_KOLEKSI()
251     COUNTER_ID()
252 End Sub
253
254 Private Sub btnHapus_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
255 Try
256
257     MsgBox.Show("Jika anda menghapus data koleksi, maka seluruh data salinan koleksi
258
259     pil = MsgBox.Show("Hapus Data?", ".: Konfirmasi Hapus Data :.", MessageBoxButtons
260     If pil = 1 Then 'PILIH OK
261         conn.Open()
262
263         'hapus data karangan
264         comm.CommandText = "DELETE FROM KARANGAN " &
265         "WHERE ID_KOLEKSI = " & lblID.Text & ""
266         comm.Connection = conn

```

```

265         "WHERE ID_KOLEKSI = " & lblID.Text & ""
266         comm.Connection = conn
267
268         comm.ExecuteNonQuery()
269
270         'hapus data salinan
271         comm.CommandText = "DELETE FROM SALINAN " &
272         "WHERE ID_KOLEKSI = " & lblID.Text & ""
273         comm.Connection = conn
274
275         comm.ExecuteNonQuery()
276
277         'hapus data koleksi
278         comm.CommandText = "DELETE FROM KOLEKSI " &
279         "WHERE ID_KOLEKSI = " & lblID.Text & ""
280         comm.Connection = conn
281
282         comm.ExecuteNonQuery()
283
284         MsgBox.Show("Data berhasil dihapus", ".: Sukses :.", MessageBoxButtons.OK, Me
285     BERSIH()
286     CEK_BUTTON(1, 0, 0, 1)
287     conn.Close()
288     dtKoleksi.Clear()
289     ISI_KOLEKSI()
290     COUNTER_ID()

```

```

289         ISI KOLEKSI ()
290         COUNTER_ID ()
291     Else
292         txtNama.Focus ()
293     End If
294 Catch ex As Exception
295     MsgBox(ex.Message)
296 Finally
297     conn.Close ()
298 End Try
299 End Sub
300
301 Private Sub btnBatal_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
302     BERSIH ()
303     CEK_BUTTON(1, 0, 0, 1)
304     COUNTER_ID ()
305 End Sub
306
307 Private Sub btnCover_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
308     pbView.Visible = True
309     If OpenFileDialog1.ShowDialog = Windows.Forms.DialogResult.OK Then
310         _path = OpenFileDialog1.FileName
311         pbView.Image = Image.FromFile(_path)
312         img = pbView.Image
313         txtCover.Text = _path
314     End If

```

```

313         txtCover.Text = _path
314     End If
315 End Sub
316
317 Private Sub txtCari_KeyUp(ByVal sender As Object, ByVal e As System.Windows.Forms.KeyEventArgs)
318     If txtCari.Text = "" Then
319         dv.RowFilter = ""
320     ElseIf IsNumeric(txtCari.Text) Then
321         dv.RowFilter = "ID = " & txtCari.Text & " OR TEBAL = " & txtCari.Text & " OR HARGA = "
322     Else
323         dv.RowFilter = "NAMA LIKE '%" & txtCari.Text & "%' OR DDC LIKE '%" & txtCari.Text & "%'"
324     End If
325 End Sub
326
327 Private Sub txtCari_TextChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
328 End Sub
329
330 Private Sub dgvKoleksi_CellClick(ByVal sender As Object, ByVal e As System.Windows.Forms.DataGridViewCellEventArgs)
331     dgvRow = dgvKoleksi.Rows(dgvKoleksi.CurrentRow.Index)
332     lblID.Text = dgvRow.Cells(0).Value.ToString
333
334     Try
335         conn.Open ()
336         '=====
337         'tampilkan foto cover buku

```

```

337         '=====
338         'tampilkan foto cover buku
339         cmd = New SqlCommand("select cover from koleksi where id_koleksi=" & _
340             lblID.Text & "", conn)
341         If cmd.ExecuteScalar.ToString = "" Then
342             'tidak ada cover foto
343             pbView.Visible = False
344         Else
345             pbView.Visible = True
346             Dim imageData As Byte() = DirectCast(cmd.ExecuteScalar(), Byte())
347             If Not imageData Is Nothing Then
348                 Using ms As New MemoryStream(imageData, 0, imageData.Length)
349                     ms.Write(imageData, 0, imageData.Length)
350                     'pbCover.BackgroundImage = Image.FromStream(ms, True)
351                     pbView.Image = Image.FromStream(ms, True)
352                     img = Image.FromStream(ms, True)
353                 End Using
354             End If
355         End If
356         conn.Close ()
357         '=====
358         conn.Open ()
359         query = "SELECT K.ID_KOLEKSI 'ID', " & _
360             "K.DDC, " & _
361             "K.NAMA_KOLEKSI 'NAMA', " & _
362             "PR.NAMA_PENCAHANG 'PENCAHANG'" & _

```

```

361         "K.NAMA KOLEKSI 'NAMA', " & _
362         "PG.NAMA_PENGARANG 'PENGARANG', " & _
363         "PT.NAMA_PENERBIT 'PENERBIT', " & _
364         "YEAR(K.TGL_TERBIT) 'TAHUN TERBIT', " & _
365         "K.TEBAL 'TEBAL', " & _
366         "JK.NAMA_JENIS 'JENIS', " & _
367         "S.NAMA_SUBJECT 'SUBJECT', " & _
368         "K.DESKRIPSI 'DESKRIPSI', " & _
369         "K.HARGA " & _
370         "FROM KOLEKSI K, PENERBIT PT, SUBJECT S, JENIS KOLEKSI JK, PENGARANG PG, KARA
371         "WHERE K.ID_PENERBIT = PT.ID_PENERBIT AND " & _
372         "K.ID_SUBJECT = S.ID_SUBJECT AND " & _
373         "K.ID_JENIS = JK.ID_JENIS AND " & _
374         "PG.ID_PENGARANG = KN.ID_PENGARANG AND " & _
375         "K.ID_KOLEKSI = KN.ID_KOLEKSI AND " & _
376         "K.ID_KOLEKSI = " & CInt(lblID.Text)
377     comm.CommandText = query
378     comm.Connection = conn
379
380     dr = comm.ExecuteReader()
381
382     While (dr.Read)
383         txtDDC.Text = dr(1)
384         txtNama.Text = dr(2)
385         txtPengarang.Text = dr(3)
386         txtPenerbit.Text = dr(4)

```

```

385         txtPengarang.Text = dr(3)
386         txtPenerbit.Text = dr(4)
387         txtTahun.Text = dr(5)
388         txtTebal.Text = dr(6)
389         txtJenis.Text = dr(7)
390         txtSubject.Text = dr(8)
391         txtDeskripsi.Text = dr(9)
392         txtHarga.Text = dr(10)
393     End While
394
395     dr.Close()
396
397     '=====
398     'AMBIL ID PENGARANG
399     query = "SELECT ID_PENGARANG FROM PENGARANG WHERE NAMA_PENGARANG = '" & txtPengarang.
400     comm.CommandText = query
401     comm.Connection = conn
402
403     dr = comm.ExecuteReader()
404
405     While (dr.Read)
406         id_pengarang = dr(0)
407     End While
408
409     dr.Close()
410     '=====

```

```

409     dr.Close()
410     '=====
411     'AMBIL ID PENERBIT
412     query = "SELECT ID_PENERBIT FROM PENERBIT WHERE NAMA_PENERBIT = '" & txtPenerbit.Text
413     comm.CommandText = query
414     comm.Connection = conn
415
416     dr = comm.ExecuteReader()
417
418     While (dr.Read)
419         id_penerbit = dr(0)
420     End While
421
422     dr.Close()
423     '=====
424     'AMBIL ID JENIS
425     query = "SELECT ID_JENIS FROM JENIS_KOLEKSI WHERE NAMA_JENIS = '" & txtJenis.Text & "
426     comm.CommandText = query
427     comm.Connection = conn
428
429     dr = comm.ExecuteReader()
430
431     While (dr.Read)
432         id_jenis = dr(0)
433     End While

```

```

433         End While
434
435         dr.Close ()
436         '=====
437         'AMBIL ID SUBJECT
438         query = "SELECT ID SUBJECT FROM SUBJECT WHERE NAMA_SUBJECT = " & txtSubject.Text & "
439         comm.CommandText = query
440         comm.Connection = conn
441
442         dr = comm.ExecuteReader ()
443
444         While (dr.Read)
445             id_subject = dr(0)
446         End While
447         dr.Close ()
448         Catch ex As Exception
449             MsgBox (ex.Message)
450         Finally
451             conn.Close ()
452         End Try
453         CEK_BUTTON (0, 1, 1, 1)
454     End Sub
455
456     Private Sub dgvKoleksi_CellContentClick (ByVal sender As System.Object, ByVal e As System.Windows.Forms.DataGridViewCellEventArgs)
457     End Sub

```

```

458     End Sub
459
460     Private Sub dgvSalinan_CellContentClick (ByVal sender As System.Object, ByVal e As System.Windows.Forms.DataGridViewCellEventArgs)
461     End Sub
462
463     End Sub
464
465     Private Sub btnReset_Click (ByVal sender As System.Object, ByVal e As System.EventArgs)
466         dvSalinan.RowFilter = ""
467     End Sub
468
469     Private Sub btnSalinan_Click (ByVal sender As System.Object, ByVal e As System.EventArgs)
470         Hand
471         id_koleksi = lblID.Text
472         Dim ms As New M_Salinan
473         ms.Show ()
474         'M_Salinan.Show ()
475     End Sub
476
477     Private Sub txtHarga_KeyPress (ByVal sender As Object, ByVal e As System.Windows.Forms.KeyPressEventArgs)
478         If (Asc (e.KeyChar) >= 48 And Asc (e.KeyChar) <= 57) Or Asc (e.KeyChar) = 8 Then
479             e.Handled = False
480         Else
481             e.Handled = True
482         End If
483     End Sub
484 End Class

```

6. Form Salinan Koleksi

```

1 Imports System.Data.SqlClient
2 Public Class M_Salinan
3     #Region "PROSEDUR & FUNGSI"
4
5     Sub ISI_KOLOM_SALINAN ()
6         dtSalinan.Columns.Clear ()
7         'BUAT COLUMN
8         Dim ket () As String = New String () {"ID_SALINAN", "ID_KOLEKSI", "SALINAN", "RAK", "STATUS"}
9
10        For i As Integer = 0 To ket.Length - 1
11            Dim col As New DataColumn (ket (i))
12
13            dtSalinan.Columns.Add (col)
14        Next
15    End Sub
16    Sub ISI_SALINAN ()
17        dtSalinan.Clear ()
18        Try
19            conn.Open ()
20            Dim status, kondisi As String
21
22            query = "SELECT S.ID SALINAN, S.ID KOLEKSI 'ID', S.SALINAN_KE 'SALINAN', R.NAMA_RAK '
23                'FROM SALINAN S, KOLEKSI K, RAK R " & _
24                "WHERE K.ID KOLEKSI = S.ID KOLEKSI AND " & _
25                "S.ID_RAK = R.ID_RAK AND " & _
26                "S.ID KOLEKSI = " & id_koleksi

```



```
D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1M_Salinan.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
M_Salinan.vb
97         dr = comm.ExecuteReader
98         While dr.Read
99             If IsDBNull(dr(0)) = True Then
100                 txtSalinan.Text = 1
101             Else
102                 txtSalinan.Text = dr(0) + 1
103             End If
104         End While
105     Catch ex As Exception
106         MsgBox(ex.Message)
107     Finally
108         conn.Close()
109     End Try
110 End Sub
111
112 Sub CEK_BUTTON(ByVal simpan As Integer, ByVal ubah As Integer, ByVal hapus As Integer, ByVal
113 With btnTambah
114     If simpan = 1 Then
115         .Enabled = True
116     Else
117         .Enabled = False
118     End If
119 End With
120
121 With btnUbah
122     If ubah = 1 Then
```

```
D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1M_Salinan.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
M_Salinan.vb
121     With btnUbah
122         If ubah = 1 Then
123             .Enabled = True
124         Else
125             .Enabled = False
126         End If
127     End With
128
129     With btnHapus
130         If hapus = 1 Then
131             .Enabled = True
132         Else
133             .Enabled = False
134         End If
135     End With
136
137     With btnBatal
138         If batal = 1 Then
139             .Enabled = True
140         Else
141             .Enabled = False
142         End If
143     End With
144 End Sub
145
146 Sub STATUS_PINJAM()
```

```
D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1M_Salinan.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
M_Salinan.vb
145
146 Sub STATUS_PINJAM()
147     Try
148         conn.Open()
149         comm.CommandText = "SELECT STATUS_PINJAM FROM SALINAN WHERE ID_SALINAN = " & id_salin
150         comm.Connection = conn
151
152         dr = comm.ExecuteReader
153         While dr.Read
154             If IsDBNull(dr(0)) = True Then
155                 rbDipinjam.Checked = False
156                 rbTidakDipinjam.Checked = True
157             Else
158                 If dr(0) = 0 Then
159                     rbDipinjam.Checked = True
160                     rbTidakDipinjam.Checked = False
161                 Else
162                     rbDipinjam.Checked = False
163                     rbTidakDipinjam.Checked = True
164                 End If
165             End If
166         End While
167     Catch ex As Exception
168         MsgBox(ex.Message)
169     Finally
```

```

169         MsgBox(ex.Message)
170     Finally
171         conn.Close()
172     End Try
173 End Sub
174
175 Sub KONDISI_SALINAN()
176     Try
177         conn.Open()
178         comm.CommandText = "SELECT KONDISI_SALINAN FROM SALINAN WHERE ID_KOLEKSI = " & id_kol
179         comm.Connection = conn
180
181         dr = comm.ExecuteReader
182         While dr.Read
183             If IsDBNull(dr(0)) = True Then
184                 rbBaik.Checked = True
185                 rbRusak.Checked = False
186             Else
187                 If dr(0) = 0 Then
188                     rbRusak.Checked = True
189                     rbBaik.Checked = False
190                 Else
191                     rbRusak.Checked = False
192                     rbBaik.Checked = True
193                 End If
194             End If
195         End While
196     Catch ex As Exception
197         MsgBox(ex.Message)
198     Finally
199         conn.Close()
200     End Try
201 End Sub
202
203
204 Function CEK_STATUS_PINJAM(ByVal Tidak_Pinjam As RadioButton)
205     If (Tidak_Pinjam.Checked = True) Then
206         Return 1
207     Else
208         Return 0
209     End If
210 End Function
211
212 Function CEK_KONDISI_KOLEKSI(ByVal Baik As RadioButton)
213     If (Baik.Checked = True) Then
214         Return 1
215     Else
216         Return 0
217     End If
218 End Function

```

```

193         End If
194     End If
195
196     End While
197 Catch ex As Exception
198     MsgBox(ex.Message)
199 Finally
200     conn.Close()
201 End Try
202 End Sub
203
204 Function CEK_STATUS_PINJAM(ByVal Tidak_Pinjam As RadioButton)
205     If (Tidak_Pinjam.Checked = True) Then
206         Return 1
207     Else
208         Return 0
209     End If
210 End Function
211
212 Function CEK_KONDISI_KOLEKSI(ByVal Baik As RadioButton)
213     If (Baik.Checked = True) Then
214         Return 1
215     Else
216         Return 0
217     End If
218 End Function

```

```

217     End If
218 End Function
219
220 Sub BERSIH()
221     For Each edo As Control In Me.Controls
222         If TypeOf (edo) Is TextBox Then
223             edo.Text = ""
224         End If
225     Next
226
227     rbTidakDipinjam.Checked = True
228     rbBaik.Checked = True
229 End Sub
230 #End Region
231
232 Dim status As Integer = 0
233 Dim kondisi As Integer = 0
234
235 Private Sub M_Salinan_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
236     KONEKSI()
237     dtSalinan.Clear()
238     ISI_KOLOM_SALINAN()
239     ISI_SALINAN()
240     SALINAN_KE()
241     COUNTER_ID_SALINAN()
242     STATUS_PINJAM()

```

```

D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Salinan.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
M_Salinan.vb
241     COUNTER_ID_SALINAN ()
242     STATUS_PINJAM ()
243     KONDISI_SALINAN ()
244
245     CEK_BUTTON (1, 0, 0, 1)
246 End Sub
247
248 Private Sub btnRak_Click (ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
249     V_Rak.Show ()
250     V_Rak.txtCari.Focus ()
251 End Sub
252
253 Private Sub dgvSalinan_CellClick (ByVal sender As Object, ByVal e As System.Windows.Forms.Data
254     dgvRow = dgvSalinan.Rows (dgvSalinan.CurrentRow.Index)
255     lblID.Text = dgvRow.Cells (0).Value.ToString
256
257     Try
258         conn.Open ()
259
260         query = "SELECT S.ID_SALINAN, S.ID_KOLEKSI 'ID', S.SALINAN_KE 'SALINAN', R.NAMA_RAK '
261             "FROM SALINAN S, KOLEKSI K, RAK R " & " & " & "
262             "WHERE K.ID_KOLEKSI = S.ID_KOLEKSI AND " & " & "
263             "S.ID_RAK = R.ID_RAK AND " & " & "
264             "S.ID_SALINAN = " & lblID.Text
265
266         comm.CommandText = query

```

```

D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Salinan.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
M_Salinan.vb
265
266     comm.CommandText = query
267     comm.Connection = conn
268
269     dr = comm.ExecuteReader ()
270
271     While (dr.Read)
272         txtSalinan.Text = dr (2)
273         txtRak.Text = dr (3)
274
275         If (dr (4) = 1) Then
276             rbTidakDipinjam.Checked = True
277             rbDipinjam.Checked = False
278         Else
279             rbTidakDipinjam.Checked = False
280             rbDipinjam.Checked = True
281         End If
282
283         If (dr (5) = 1) Then
284             rbBaik.Checked = True
285             rbRusak.Checked = False
286         Else
287             rbBaik.Checked = False
288             rbRusak.Checked = True
289         End If
290     End While

```

```

D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Salinan.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
M_Salinan.vb
289     End If
290 End While
291
292     dr.Close ()
293
294     '=====
295     'AMBIL ID RAK
296     query = "SELECT ID_RAK FROM RAK WHERE NAMA_RAK = " & txtRak.Text & " "
297     comm.CommandText = query
298     comm.Connection = conn
299
300     dr = comm.ExecuteReader ()
301
302     While (dr.Read)
303         id_rak = dr (0)
304     End While
305
306     dr.Close ()
307     Catch ex As Exception
308         MsgBox (ex.Message)
309     Finally
310         conn.Close ()
311     End Try
312     CEK_BUTTON (0, 1, 1, 1)
313 End Sub

```

```
D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1M_Salinan.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
M_Salinan.vb
313 End Sub
314 Private Sub dgvSalinan_CellContentClick(ByVal sender As System.Object, ByVal e As System.Wind
315 End Sub
316
317 Private Sub btnSimpan_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handl
318 Try
319 pil = MessageBox.Show("Simpan Data?", ".: Konfirmasi Simpan Data :.", MessageBoxButtons
320 conn.Open()
321 If pil = 1 Then 'PILIH OK
322 status = CEK_STATUS_PINJAM(rbTidakDipinjam)
323 kondisi = CEK_KONDISI_KOLEKSI(rbBaik)
324
325 comm.CommandText = "INSERT INTO SALINAN(ID_SALINAN, ID_RAK, ID_KOLEKSI, SALINAN K
326 "VALUES (" & lblID.Text & ", " & id_rak & ", " & id_koleksi & ", "
327 comm.Connection = conn
328
329 comm.ExecuteNonQuery()
330 MsgBox.Show("Data berhasil disimpan", ".: Sukses :.", MessageBoxButtons.OK, M
331 CEK_BUTTON(1, 0, 0, 1)
332 Else
333 End If
334 Catch ex As Exception
335 MsgBox(ex.Message)
336 Finally
337 conn.Close()
338
```

```
D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1M_Salinan.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
M_Salinan.vb
337 Finally
338 conn.Close()
339 BERSIH()
340 dtSalinan.Clear()
341 ISI_SALINAN()
342 SALINAN_KE()
343 COUNTER_ID_SALINAN()
344 STATUS_PINJAM()
345 End Try
346 End Sub
347
348 Private Sub btnUbah_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
349 Try
350 pil = MessageBox.Show("Ubah Data?", ".: Konfirmasi Ubah Data :.", MessageBoxButtons.O
351 If pil = 1 Then 'PILIH OK
352
353 status = CEK_STATUS_PINJAM(rbTidakDipinjam)
354 kondisi = CEK_KONDISI_KOLEKSI(rbBaik)
355
356 conn.Open()
357
358 If kondisi = 0 Then
359 comm.CommandText = "UPDATE SALINAN SET ID_RAK = " & id_rak & ", ID_KOLEKSI =
360 "WHERE ID_SALINAN = " & lblID.Text
361 Else
362 comm.CommandText = "UPDATE SALINAN SET ID_RAK = " & id_rak & " ID_KOLEKSI =
363
```

```
D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1M_Salinan.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
M_Salinan.vb
361 Else
362 comm.CommandText = "UPDATE SALINAN SET ID_RAK = " & id_rak & ", ID_KOLEKSI =
363 "WHERE ID_SALINAN = " & lblID.Text
364 End If
365 comm.Connection = conn
366
367 comm.ExecuteNonQuery()
368
369 MsgBox.Show("Data berhasil dirubah", ".: Sukses :.", MessageBoxButtons.OK, Me
370 CEK_BUTTON(1, 0, 0, 1)
371 Else
372 End If
373 Catch ex As Exception
374 MsgBox(ex.Message)
375 Finally
376 conn.Close()
377 BERSIH()
378 dtSalinan.Clear()
379 ISI_SALINAN()
380 SALINAN_KE()
381 COUNTER_ID_SALINAN()
382 STATUS_PINJAM()
383 End Try
384 End Sub
385
386 Private Sub btnHapus_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
```

```

385
386
387 Private Sub btnHapus_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
388 Try
389 pil = MessageBox.Show("Hapus Data?", ".: Konfirmasi Hapus Data :.", MessageBoxButtons
390 If pil = 1 Then 'PILIH OK
391 conn.Open()
392 comm.CommandText = "DELETE FROM SALINAN " & _
393 "WHERE ID_SALINAN = " & lblID.Text & ""
394 comm.Connection = conn
395
396 comm.ExecuteNonQuery()
397
398 MessageBox.Show("Data berhasil dihapus", ".: Sukses :.", MessageBoxButtons.OK, Me
399 CEK_BUTTON(1, 0, 0, 1)
400 conn.Close()
401
402 BERSIH()
403 dtSalinan.Clear()
404 ISI_SALINAN()
405 SALINAN_KE()
406 COUNTER_ID_SALINAN()
407 STATUS_PINJAM()
408 Else
409 End If
410 Catch ex As Exception
411 MsgBox(ex.Message)
412
413 End Sub

```

```

409 Catch ex As Exception
410 MsgBox(ex.Message)
411 Finally
412 conn.Close()
413 End Try
414 End Sub
415
416 Private Sub btnBatal_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
417 BERSIH()
418 CEK_BUTTON(1, 0, 0, 1)
419 dtSalinan.Clear()
420 ISI_SALINAN()
421 SALINAN_KE()
422 COUNTER_ID_SALINAN()
423 STATUS_PINJAM()
424 End Sub
425
426 Private Sub btnKeluar_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handl
427 Me.Dispose()
428 Me.Close()
429 End Sub
430 End Class
431
432
433

```

7. Form Master Pengarang

```

1 Imports System.Data.SqlClient
2 Public Class M_Pengarang
3 #Region "PROSEDUR & FUNGSI"
4 Sub COUNTER_ID()
5 Try
6 conn.Open()
7 comm.CommandText = "SELECT MAX(ID_PENGARANG) FROM PENGARANG"
8 comm.Connection = conn
9
10 dr = comm.ExecuteReader
11 While dr.Read
12 If IsDBNull(dr(0)) = True Then
13 lblID.Text = 1
14 Else
15 lblID.Text = dr(0) + 1
16 End If
17 End While
18 Catch ex As Exception
19 MsgBox(ex.Message)
20 Finally
21 conn.Close()
22 End Try
23 End Sub
24
25 Sub ISI_PENGARANG()
26 Try

```

```

D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Pengarang.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
M_Pengarang.vb
25 Sub ISI_PENGARANG ()
26 Try
27     conn.Open()
28     dtPengarang.Clear()
29     query = "SELECT ID_PENGARANG 'ID', NAMA_PENGARANG 'NAMA' FROM PENGARANG"
30     da = New SqlDataAdapter(query, conn)
31     da.Fill(dtPengarang)
32     da.MissingSchemaAction = MissingSchemaAction.AddWithKey
33
34     dv = dtPengarang.DefaultView
35     dgvPengarang.DataSource = dv
36 Catch ex As Exception
37     MsgBox(ex.Message)
38 Finally
39     conn.Close()
40 End Try
41 End Sub
42
43 Sub CEK_BUTTON(ByVal simpan As Integer, ByVal ubah As Integer, ByVal hapus As Integer, ByVal
44 With btnTambah
45     If simpan = 1 Then
46         .Enabled = True
47     Else
48         .Enabled = False
49     End If
50 End With

```

```

D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Pengarang.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
M_Pengarang.vb
49     End If
50 End With
51
52 With btnUbah
53     If ubah = 1 Then
54         .Enabled = True
55     Else
56         .Enabled = False
57     End If
58 End With
59
60 With btnHapus
61     If hapus = 1 Then
62         .Enabled = True
63     Else
64         .Enabled = False
65     End If
66 End With
67
68 With btnBatal
69     If batal = 1 Then
70         .Enabled = True
71     Else
72         .Enabled = False
73     End If
74 End With

```

```

D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\M_Pengarang.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
M_Pengarang.vb
73     End If
74 End With
75 End Sub
76
77 Sub BERSIH()
78     txtNama.Text = ""
79 End Sub
80 #End Region
81
82 Private Sub M_Pengarang_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handl
83     KONEKSI()
84     COUNTER_ID()
85     ISI_PENGARANG()
86     CEK_BUTTON(1, 0, 0, 1)
87 End Sub
88
89 Private Sub btnSimpan_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handl
90 Try
91     pil = MessageBox.Show("Simpan Data?", ".: Konfirmasi Simpan Data .:", MessageBoxButtons
92     If pil = 1 Then 'PILIH OK
93         conn.Open()
94         comm.CommandText = "INSERT INTO PENGARANG " & _
95             "VALUES (" & lblID.Text & ", " & txtNama.Text & ")"
96         comm.Connection = conn
97         comm.ExecuteNonQuery()

```



```

169         Finally
170             'conn.Close()
171         End Try
172     End Sub
173
174     Private Sub btnBatal_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
175         BERSIH()
176         CEK_BUTTON(1, 0, 0, 1)
177         COUNTER_ID()
178     End Sub
179
180     Private Sub dgvPengarang_CellClick(ByVal sender As Object, ByVal e As System.Windows.Forms.Da
181         dgvRow = dgvPengarang.Rows(dgvPengarang.CurrentRow.Index)
182         lblID.Text = dgvRow.Cells(0).Value
183         txtNama.Text = dgvRow.Cells(1).Value
184
185         CEK_BUTTON(0, 1, 1, 1)
186     End Sub
187
188     Private Sub dgvPengarang_CellContentClick(ByVal sender As System.Object, ByVal e As System.Wi
189
190     End Sub
191
192     Private Sub txtCari_KeyUp(ByVal sender As Object, ByVal e As System.Windows.Forms.KeyEventArg
193         If txtCari.Text = "" Then
194             dv.RowFilter = ""

```

```

193         If txtCari.Text = "" Then
194             dv.RowFilter = ""
195         ElseIf IsNumeric(txtCari.Text) Then
196             dv.RowFilter = "ID = " & txtCari.Text & ""
197         Else
198             dv.RowFilter = "NAMA LIKE '%" & txtCari.Text & "%'"
199         End If
200     End Sub
201
202     Private Sub txtCari_TextChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) H
203
204     End Sub
205
206     Private Sub Label6_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
207
208     End Sub
209 End Class
210
211
212
213
214
215
216
217

```

8. Form Master Penerbit

```

1 Imports System.Data.SqlClient
2 Public Class M_Penerbit
3     #Region "PROSEDUR & FUNGSI"
4     Sub COUNTER_ID()
5         Try
6             conn.Open()
7             comm.CommandText = "SELECT MAX(ID_PENERBIT) FROM PENERBIT"
8             comm.Connection = conn
9
10            dr = comm.ExecuteReader
11            While dr.Read
12                If IsDBNull(dr(0)) = True Then
13                    lblID.Text = 1
14                Else
15                    lblID.Text = dr(0) + 1
16                End If
17            End While
18        Catch ex As Exception
19            MsgBox(ex.Message)
20        Finally
21            conn.Close()
22        End Try
23    End Sub
24
25    Sub ISI_PENERBIT()
26        "Try

```

```
D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1M_Penerbit.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
M_Penerbit.vb
25 Sub ISI_PENERBIT()
26 Try
27     conn.Open()
28     dtPenerbit.Clear()
29     query = "SELECT ID_PENERBIT 'ID', NAMA_PENERBIT 'NAMA', NAMA_KOTA 'KOTA' " & _
30           "FROM PENERBIT P, KOTA K " & _
31           "WHERE P.ID_KOTA = K.ID_KOTA"
32
33     da = New SqlDataAdapter(query, conn)
34     da.Fill(dtPenerbit)
35     da.MissingSchemaAction = MissingSchemaAction.AddWithKey
36
37     dv = dtPenerbit.DefaultView
38     dgvPenerbit.DataSource = dv
39 Catch ex As Exception
40     MsgBox(ex.Message)
41 Finally
42     conn.Close()
43 End Try
44 End Sub
45
46 Sub CEK_BUTTON(ByVal simpan As Integer, ByVal ubah As Integer, ByVal hapus As Integer, ByVal
47 With btnTambah
48     If simpan = 1 Then
49         .Enabled = True
50     Else
51         .Enabled = False
52     End If
53 End With
54
55 With btnUbah
56     If ubah = 1 Then
57         .Enabled = True
58     Else
59         .Enabled = False
60     End If
61 End With
62
63 With btnHapus
64     If hapus = 1 Then
65         .Enabled = True
66     Else
67         .Enabled = False
68     End If
69 End With
70
71 With btnBatal
72     If batal = 1 Then
73         .Enabled = True
74     Else
75         .Enabled = False
76     End If
77 End With
78
79 If ubah = 1 Or hapus = 1 Then
80     btnKota.Enabled = False
81 Else
82     btnKota.Enabled = True
83 End If
84 End Sub
85
86 Sub BERSIH()
87     txtNama.Text = ""
88     txtKota.Text = ""
89 End Sub
90 #End Region
91 Private Sub M_Penerbit_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handl
92     KONEKSI()
93     COUNTER_ID()
94     ISI_PENERBIT()
95     CEK_BUTTON(1, 0, 0, 1)
96 End Sub
97
98 Private Sub btnKota_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handl
```

```
D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1M_Penerbit.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
M_Penerbit.vb
49     .Enabled = True
50 Else
51     .Enabled = False
52 End If
53 End With
54
55 With btnUbah
56     If ubah = 1 Then
57         .Enabled = True
58     Else
59         .Enabled = False
60     End If
61 End With
62
63 With btnHapus
64     If hapus = 1 Then
65         .Enabled = True
66     Else
67         .Enabled = False
68     End If
69 End With
70
71 With btnBatal
72     If batal = 1 Then
73         .Enabled = True
74     Else
75         .Enabled = False
76     End If
77 End With
78
79 If ubah = 1 Or hapus = 1 Then
80     btnKota.Enabled = False
81 Else
82     btnKota.Enabled = True
83 End If
84 End Sub
85
86 Sub BERSIH()
87     txtNama.Text = ""
88     txtKota.Text = ""
89 End Sub
90 #End Region
91 Private Sub M_Penerbit_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handl
92     KONEKSI()
93     COUNTER_ID()
94     ISI_PENERBIT()
95     CEK_BUTTON(1, 0, 0, 1)
96 End Sub
97
98 Private Sub btnKota_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handl
```

```
D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1M_Penerbit.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
M_Penerbit.vb
73     .Enabled = True
74 Else
75     .Enabled = False
76 End If
77 End With
78
79 If ubah = 1 Or hapus = 1 Then
80     btnKota.Enabled = False
81 Else
82     btnKota.Enabled = True
83 End If
84 End Sub
85
86 Sub BERSIH()
87     txtNama.Text = ""
88     txtKota.Text = ""
89 End Sub
90 #End Region
91 Private Sub M_Penerbit_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handl
92     KONEKSI()
93     COUNTER_ID()
94     ISI_PENERBIT()
95     CEK_BUTTON(1, 0, 0, 1)
96 End Sub
97
98 Private Sub btnKota_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handl
```

```

D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1M_Penerbit.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
M_Penerbit.vb
97
98
99 Private Sub btnKota_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
100     V_Kota.Show ()
101     V_Kota.txtCari.Focus ()
102 End Sub
103
104 Private Sub btnSimpan_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handl
105     Try
106         pil = MessageBox.Show("Simpan Data?", ".: Konfirmasi Simpan Data :.", MessageBoxButtons
107         If pil = 1 Then 'PILIH OK
108             conn.Open ()
109             comm.CommandText = "INSERT INTO PENERBIT " & _
110                 "VALUES (" & lblID.Text & ", " & id_kota & ", " & txtNama.Text
111             comm.Connection = conn
112             comm.ExecuteNonQuery ()
113
114             MessageBox.Show("Data berhasil disimpan", ".: Sukses :.", MessageBoxButtons.OK, M
115             conn.Close ()
116             BERSIH ()
117             CEK_BUTTON (1, 0, 0, 1)
118             dtPenerbit.Clear ()
119             ISI_PENERBIT ()
120             COUNTER_ID ()
121         Else
122             txtNama.Focus ()

```

```

D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1M_Penerbit.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
M_Penerbit.vb
121
122         Else
123             txtNama.Focus ()
124         End If
125     Catch ex As Exception
126         MsgBox(ex.Message)
127     Finally
128         'conn.Close ()
129     End Try
130 End Sub
131
132 Private Sub btnUbah_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
133     Try
134         pil = MessageBox.Show("Ubah Data?", ".: Konfirmasi Ubah Data :.", MessageBoxButtons.O
135         If pil = 1 Then 'PILIH OK
136             conn.Open ()
137
138             comm.CommandText = "UPDATE PENERBIT " & _
139                 "SET NAMA PENERBIT=" & txtNama.Text & ", ID_KOTA=" & id_kota
140                 "WHERE ID_PENERBIT = " & lblID.Text & ""
141             comm.Connection = conn
142             comm.ExecuteNonQuery ()
143
144             MessageBox.Show("Data berhasil dirubah", ".: Sukses :.", MessageBoxButtons.OK, Me
145             BERSIH ()
146             CEK_BUTTON (1, 0, 0, 1)

```

```

D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1M_Penerbit.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
M_Penerbit.vb
145
146         BERSIH ()
147         CEK_BUTTON (1, 0, 0, 1)
148         conn.Close ()
149         dtPenerbit.Clear ()
150         ISI_PENERBIT ()
151         COUNTER_ID ()
152     Else
153         txtNama.Focus ()
154     End If
155 Catch ex As Exception
156     MsgBox(ex.Message)
157 Finally
158     'conn.Close ()
159 End Try
160 End Sub
161
162 Private Sub btnHapus_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
163     Try
164         pil = MessageBox.Show("Hapus Data?", ".: Konfirmasi Hapus Data :.", MessageBoxButtons
165         If pil = 1 Then 'PILIH OK
166             conn.Open ()
167             comm.CommandText = "DELETE FROM PENERBIT " & _
168                 "WHERE ID_PENERBIT = " & lblID.Text & ""
169             comm.Connection = conn
170             comm.ExecuteNonQuery ()

```

```

169         comm.ExecuteScalar ()
170
171
172         MessageBox.Show ("Data berhasil dihapus", ".: Sukses .:", MessageBoxButtons.OK, Me
173         BERSIH ()
174         CEK_BUTTON (1, 0, 0, 1)
175         conn.Close ()
176         dtPenerbit.Clear ()
177         ISI_PENERBIT ()
178         COUNTER_ID ()
179     Else
180         txtNama.Focus ()
181     End If
182 Catch ex As Exception
183     MsgBox (ex.Message)
184 Finally
185     'conn.Close ()
186 End Try
187 End Sub
188
189 Private Sub btnBatal_Click (ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
190     BERSIH ()
191     CEK_BUTTON (1, 0, 0, 1)
192     COUNTER_ID ()
193 End Sub

```

```

193 End Sub
194
195 Private Sub txtCari_KeyUp (ByVal sender As Object, ByVal e As System.Windows.Forms.KeyEventArgs)
196     If txtCari.Text = "" Then
197         dv.RowFilter = ""
198     ElseIf IsNumeric (txtCari.Text) Then
199         dv.RowFilter = "ID = " & txtCari.Text
200     Else
201         dv.RowFilter = "NAMA LIKE '%" & txtCari.Text & "%' OR KOTA LIKE '%" & txtCari.Text &
202     End If
203 End Sub
204
205 Private Sub txtCari_TextChanged (ByVal sender As System.Object, ByVal e As System.EventArgs) H
206 End Sub
207
208 Private Sub dgvPenerbit_CellClick (ByVal sender As Object, ByVal e As System.Windows.Forms.Dat
209     dgvRow = dgvPenerbit.Rows (dgvPenerbit.CurrentRow.Index)
210
211     'isi id_kota
212     Try
213         conn.Open ()
214         comm.CommandText = "SELECT ID_KOTA FROM KOTA WHERE NAMA_KOTA = '" & dgvRow.Cells (2).V
215         comm.Connection = conn
216         dr = comm.ExecuteReader

```

```

217         dr = comm.ExecuteReader
218
219         While dr.Read
220             id_kota = dr (0)
221         End While
222     Catch ex As Exception
223         MsgBox (ex.Message)
224     Finally
225         conn.Close ()
226     End Try
227     '=====
228     lblID.Text = dgvRow.Cells (0).Value
229     txtNama.Text = dgvRow.Cells (1).Value
230     txtKota.Text = dgvRow.Cells (2).Value
231
232     CEK_BUTTON (0, 1, 1, 1)
233 End Sub
234
235 Private Sub dgvPenerbit_CellContentClick (ByVal sender As System.Object, ByVal e As System.Win
236 End Sub
237 End Sub
238 End Class
239
240
241

```

9. Form Jenis Koleksi

```
1 Imports System.Data.SqlClient
2 Public Class M_Jenis_Koleksi
3 #Region "PROSEDUR & FUNGSI"
4 Sub COUNTER_ID()
5 Try
6     conn.Open()
7     comm.CommandText = "SELECT MAX(ID_JENIS) FROM JENIS_KOLEKSI"
8     comm.Connection = conn
9
10    dr = comm.ExecuteReader
11    While dr.Read
12        If IsDBNull(dr(0)) = True Then
13            lblID.Text = 1
14        Else
15            lblID.Text = dr(0) + 1
16        End If
17    End While
18 Catch ex As Exception
19     MsgBox(ex.Message)
20 Finally
21     conn.Close()
22 End Try
23 End Sub
24
25 Sub ISI_JENIS_KOLEKSI ()
26 Try
```

```
27     conn.Open()
28     dtJenis.Clear()
29     query = "SELECT ID_JENIS 'ID', NAMA_JENIS 'NAMA' FROM JENIS_KOLEKSI"
30     da = New SqlDataAdapter(query, conn)
31     da.Fill(dtJenis)
32     da.MissingSchemaAction = MissingSchemaAction.AddWithKey
33
34     dv = dtJenis.DefaultView
35     dgvJenis Koleksi.DataSource = dv
36 Catch ex As Exception
37     MsgBox(ex.Message)
38 Finally
39     conn.Close()
40 End Try
41 End Sub
42
43 Sub CEK_BUTTON(ByVal simpan As Integer, ByVal ubah As Integer, ByVal hapus As Integer, ByVal
44 With btnTambah
45     If simpan = 1 Then
46         .Enabled = True
47     Else
48         .Enabled = False
49     End If
50 End With
```

```
51 End With
52 With btnUbah
53     If ubah = 1 Then
54         .Enabled = True
55     Else
56         .Enabled = False
57     End If
58 End With
59
60 With btnHapus
61     If hapus = 1 Then
62         .Enabled = True
63     Else
64         .Enabled = False
65     End If
66 End With
67
68 With btnBatal
69     If batal = 1 Then
70         .Enabled = True
71     Else
72         .Enabled = False
73     End If
74 End With
```

```

73         End If
74     End With
75 End Sub
76
77 Sub BERSIH ()
78     txtNama.Text = ""
79 End Sub
80 #End Region
81 Private Sub M_Jenis_Koleksi_Load (ByVal sender As System.Object, ByVal e As System.EventArgs)
82     KONEKSI ()
83     COUNTER_ID ()
84     ISI_JENIS_KOLEKSI ()
85     CEK_BUTTON (1, 0, 0, 1)
86 End Sub
87
88 Private Sub btnSimpan_Click (ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
89     Try
90         pil = MessageBox.Show ("Simpan Data?", ".: Konfirmasi Simpan Data :.", MessageBoxButtons.O
91         If pil = 1 Then 'PILIH OK
92             conn.Open ()
93             comm.CommandText = "INSERT INTO JENIS_KOLEKSI " & _
94                 "VALUES (" & lblID.Text & ", " & txtNama.Text & ")"
95             comm.Connection = conn
96
97             comm.ExecuteNonQuery ()

```

```

97             comm.ExecuteNonQuery ()
98
99             MessageBox.Show ("Data berhasil disimpan", ".: Sukses :.", MessageBoxButtons.OK, Me
100         BERSIH ()
101         CEK_BUTTON (1, 0, 0, 1)
102         conn.Close ()
103         dtJenis.Clear ()
104         ISI_JENIS_KOLEKSI ()
105         COUNTER_ID ()
106     Else
107         txtNama.Focus ()
108     End If
109 Catch ex As Exception
110     MsgBox (ex.Message)
111 Finally
112     'conn.Close ()
113 End Try
114 End Sub
115
116 Private Sub btnUbah_Click (ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
117     Try
118         pil = MessageBox.Show ("Ubah Data?", ".: Konfirmasi Ubah Data :.", MessageBoxButtons.O
119         If pil = 1 Then 'PILIH OK
120             conn.Open ()
121             comm.CommandText = "UPDATE JENIS_KOLEKSI " & _
122                 "SET NAMA_JENIS = " & txtNama.Text & " " & _

```

```

121             comm.CommandText = "UPDATE JENIS_KOLEKSI " & _
122                 "SET NAMA_JENIS = " & txtNama.Text & " " & _
123                 "WHERE ID_JENIS = " & lblID.Text & " "
124             comm.Connection = conn
125
126             comm.ExecuteNonQuery ()
127
128             MessageBox.Show ("Data berhasil dirubah", ".: Sukses :.", MessageBoxButtons.OK, Me
129         BERSIH ()
130         CEK_BUTTON (1, 0, 0, 1)
131         conn.Close ()
132         dtJenis.Clear ()
133         ISI_JENIS_KOLEKSI ()
134         COUNTER_ID ()
135     Else
136         txtNama.Focus ()
137     End If
138 Catch ex As Exception
139     MsgBox (ex.Message)
140 Finally
141     'conn.Close ()
142 End Try
143 End Sub
144
145 Private Sub btnHapus_Click (ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
146     Try

```

```

D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1M_Jenis_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
M_Jenis_Koleksi.vb
145 Private Sub btnHapus_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
146 Try
147     pil = MessageBox.Show("Hapus Data?", ".: Konfirmasi Hapus Data .:", MessageBoxButtons
148     If pil = 1 Then 'PILIH OK
149         conn.Open()
150         comm.CommandText = "DELETE FROM JENIS KOLEKSI " &
151             "WHERE ID_JENIS =" & lblID.Text & ""
152         comm.Connection = conn
153
154         comm.ExecuteNonQuery()
155
156         MessageBox.Show("Data berhasil dihapus", ".: Sukses .:", MessageBoxButtons.OK, Me
157         BERSIH()
158         CEK_BUTTON(1, 0, 0, 1)
159         conn.Close()
160         dtJenis.Clear()
161         ISI_JENIS_KOLEKSI()
162         COUNTER_ID()
163     Else
164         txtNama.Focus()
165     End If
166 Catch ex As Exception
167     MsgBox(ex.Message)
168 Finally
169     'conn.Close()
170 End Try
171 End Sub
Visual Basic file length: 7,040 lines: 204 Ln: 1 Col: 1 Sel: 0|0 Windows (CRLF) UTF-8 INS

```

```

D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1M_Jenis_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
M_Jenis_Koleksi.vb
169     'conn.Close()
170 End Try
171 End Sub
172
173 Private Sub btnBatal_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
174     BERSIH()
175     CEK_BUTTON(1, 0, 0, 1)
176     COUNTER_ID()
177 End Sub
178
179 Private Sub txtCari_KeyUp(ByVal sender As Object, ByVal e As System.Windows.Forms.KeyEventArgs) Handle
180     If txtCari.Text = "" Then
181         dv.RowFilter = ""
182     ElseIf IsNumeric(txtCari.Text) Then
183         dv.RowFilter = "ID = " & txtCari.Text & ""
184     Else
185         dv.RowFilter = "NAMA LIKE '%" & txtCari.Text & "%'"
186     End If
187 End Sub
188
189 Private Sub txtCari_TextChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
190 End Sub
191
192 Private Sub dgvJenis_Koleksi_CellClick(ByVal sender As Object, ByVal e As System.Windows.Forms.DataGridViewCellEventArgs) Handle
193     dgvRow = dgvJenis_Koleksi.Rows(dgvJenis_Koleksi.CurrentRow.Index)
194     lblID.Text = dgvRow.Cells(0).Value
195     txtNama.Text = dgvRow.Cells(1).Value
196     CEK_BUTTON(0, 1, 1, 1)
197 End Sub
198
199 Private Sub dgvJenis_Koleksi_CellContentClick(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
200 End Sub
201
202 End Sub
203 End Class
Visual Basic file length: 7,040 lines: 204 Ln: 1 Col: 1 Sel: 0|0 Windows (CRLF) UTF-8 INS

```

```

D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1M_Jenis_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
M_Jenis_Koleksi.vb
193 Private Sub dgvJenis_Koleksi_CellClick(ByVal sender As Object, ByVal e As System.Windows.Forms.DataGridViewCellEventArgs) Handle
194     dgvRow = dgvJenis_Koleksi.Rows(dgvJenis_Koleksi.CurrentRow.Index)
195     lblID.Text = dgvRow.Cells(0).Value
196     txtNama.Text = dgvRow.Cells(1).Value
197     CEK_BUTTON(0, 1, 1, 1)
198 End Sub
199
200 Private Sub dgvJenis_Koleksi_CellContentClick(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
201 End Sub
202 End Sub
203 End Class
Visual Basic file length: 7,066 lines: 217 Ln: 217 Col: 1 Sel: 0|0 Windows (CRLF) UTF-8 INS

```

10. Form Persetujuan Usulan Buku

```

1 Public Class M_Usulan
2
3 #Region "Deklarasi"
4 Dim id As Integer = 0
5 Dim tes As Integer = 0
6
7 #End Region
8 #Region "Prosedur/Fungsi"
9 Sub BERSIH()
10 For Each edo As Control In Me.Controls
11 If TypeOf (edo) Is TextBox Then
12 edo.Text = ""
13 End If
14 Next
15
16 btnSimpan.Enabled = False
17 End Sub
18
19 Sub COUNTER_ID()
20 Try
21 conn.Open()
22 comm.CommandText = "SELECT MAX(ID_USULAN) FROM USULAN"
23 comm.Connection = conn
24
25 dr = comm.ExecuteReader
26 While dr.Read

```

```

25 dr = comm.ExecuteReader
26 While dr.Read
27 id = dr(0) + 1
28 End While
29 Catch ex As Exception
30 MsgBox(ex.Message)
31 Finally
32 conn.Close()
33 End Try
34 End Sub
35 #End Region
36
37
38 Private Sub M_Usulan_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
39 KONEKSI()
40 End Sub
41
42 Private Sub btnCari_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
43 tes = 0
44 Try
45 If IsNumeric(txtID.Text) Then
46 conn.Open()
47
48 query = "SELECT * FROM ANGGOTA WHERE ID_ANGGOTA = " & txtID.Text & " AND STATUS_AN
49 comm.CommandText = query
50 comm.Connection = conn

```

```

49 comm.CommandText = query
50 comm.Connection = conn
51
52 dr = comm.ExecuteReader
53
54
55 While (dr.Read)
56 txtNama.Text = dr(1)
57 tes = 1
58 btnSimpan.Enabled = True
59 txtJudul.Focus()
60 End While
61
62 If tes = 0 Then
63 txtNama.Text = "Data tidak ditemukan/Status Anggota tidak aktif"
64 btnSimpan.Enabled = False
65 End If
66 Else
67 txtNama.Text = "Data tidak ditemukan"
68 btnSimpan.Enabled = False
69 End If
70
71
72 Catch ex As Exception
73 MsgBox(ex.Message)
74 Finally

```

```

73     MsgBox(ex.Message)
74     Finally
75     conn.Close()
76     End Try
77 End Sub
78
79 Private Sub btnSimpan_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
80     Try
81     COUNTER_ID()
82
83     conn.Open()
84     comm.CommandText = "INSERT INTO USULAN " & _
85     "VALUES (" & id & ", " & txtID.Text & ", " & txtJudul.Text & ", " &
86     comm.Connection = conn
87
88     comm.ExecuteNonQuery()
89     MsgBox.Show("Data berhasil disimpan", ".: Sukses :.", MessageBoxButtons.OK, Messa
90     BERSIH()
91
92     Catch ex As Exception
93     MsgBox(ex.Message)
94     Finally
95     conn.Close()
96     End Try
97 End Sub

```

```

97     End Sub
98
99 Private Sub btnBatal_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
100     BERSIH()
101 End Sub
102 End Class
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121

```

11. Form Katalog

```

1 Imports System.Data.SqlClient
2 Imports System.io
3
4 Public Class T_Katalog
5     Dim cmd As New SqlCommand
6
7
8     #Region "PROSEDUR & FUNGSI"
9     Sub TAMPILKAN_RAK_DAN_STATUS_PINJAM()
10        Try
11            dtKoleksi_Katalog_Detail.Clear()
12            conn.Open()
13            query = "SELECT S.ID_SALINAN 'ID SALINAN', R.ID_RAK 'RAK', S.STATUS_PINJAM 'STATUS' "
14            "FROM SALINAN S, RAK R " & _
15            "WHERE S.ID_RAK = R.ID_RAK AND " & _
16            "S.KONDISI_SALINAN = 1 AND " & _
17            "S.ID_KOLEKSI = " & lblID.Text
18
19            da = New SqlDataAdapter(query, conn)
20            da.Fill(dtKoleksi_Katalog_Detail)
21
22            da.MissingSchemaAction = MissingSchemaAction.AddWithKey
23
24            dv = dtKoleksi_Katalog_Detail.DefaultView
25            dgvPinjam.DataSource = dv
26

```

```

D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1T_Katalog.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
T_Katalog.vb
25         dv = dtKoleksi_Katalog_Detail.DefaultView
26         dgvPinjam.DataSource = dv
27         Catch ex As Exception
28             MsgBox(ex.Message)
29         Finally
30             conn.Close()
31         End Try
32     End Sub
33 #End Region
34
35 Private Sub T_Katalog_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
36     KONEKSI()
37
38 End Sub
39
40
41 Private Sub btnCari_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
42     Try
43         conn.Open()
44         dtKoleksi_Katalog.Clear()
45
46         query = "SELECT KOL.ID_KOLEKSI 'ID KOLEKSI', KOL.NAMA_KOLEKSI 'NAMA', P.NAMA_PENGRAN
47             "FROM KOLEKSI KOL, SUBJECT S, JENIS_KOLEKSI JK, PENGARANG P, KARANGAN K " & _
48             "WHERE KOL.ID_KOLEKSI = K.ID_KOLEKSI AND " & _
49             "P.ID_PENGRANG = K.ID_PENGRANG AND " & _
50             "KOL.ID_SUBJECT = S.ID_SUBJECT AND " & _

```

```

D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1T_Katalog.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
T_Katalog.vb
49             "P.ID_PENGRANG = K.ID_PENGRANG AND " & _
50             "KOL.ID_SUBJECT = S.ID_SUBJECT AND " & _
51             "KOL.ID_JENIS = JK.ID_JENIS AND " & _
52         If rbNama.Checked = True Then
53             query = query & " KOL.NAMA_KOLEKSI LIKE '%" & txtCari.Text & "%'"
54         ElseIf rbPengarang.Checked = True Then
55             query = query & " P.NAMA_PENGRANG LIKE '%" & txtCari.Text & "%'"
56         End If
57
58 'AMBIL ID KOLEKSI
59 comm.CommandText = query
60 comm.Connection = conn
61 dr = comm.ExecuteReader
62
63 While dr.Read()
64     id_koleksi = dr(0)
65 End While
66 dr.Close()
67 '=====
68
69 da = New SqlDataAdapter(query, conn)
70 da.Fill(dtKoleksi_Katalog)
71 da.MissingSchemaAction = MissingSchemaAction.AddWithKey
72
73 dv = dtKoleksi_Katalog.DefaultView
74 dgvKoleksi.DataSource = dv

```

```

D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1T_Katalog.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
T_Katalog.vb
73         dv = dtKoleksi_Katalog.DefaultView
74         dgvKoleksi.DataSource = dv
75
76         Catch ex As Exception
77             MsgBox(ex.Message)
78         Finally
79             conn.Close()
80         End Try
81     End Sub
82
83 Private Sub cbSubject_SelectedIndexChanged(ByVal sender As System.Object, ByVal e As System.E
84 End Sub
85
86
87 Private Sub dgvKoleksi_CellClick(ByVal sender As Object, ByVal e As System.Windows.Forms.Data
88     dgvRow = dgvKoleksi.Rows(dgvKoleksi.CurrentRow.Index)
89     lblID.Text = dgvRow.Cells(0).Value.ToString
90
91     Try
92         conn.Open()
93         '=====
94         'tampilkan foto cover buku
95         cmd = New SqlCommand("select cover from koleksi where id_koleksi=" & _
96             lblID.Text & " ", conn)
97
98         If cmd.ExecuteScalar.ToString = "" Then

```



```

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 1
T_Katalog.vb
169      comm.CommandText = query
170      comm.Connection = conn
171
172      dr = comm.ExecuteReader()
173
174      While (dr.Read)
175      |   id_penerbit = dr(0)
176      End While
177
178      dr.Close()
179      '=====
180      'AMBIL ID JENIS
181      query = "SELECT ID_JENIS FROM JENIS_KOLEKSI WHERE NAMA_JENIS = " & txtJenis.Text & "
182      comm.CommandText = query
183      comm.Connection = conn
184
185      dr = comm.ExecuteReader()
186
187      While (dr.Read)
188      |   id_jenis = dr(0)
189      End While
190
191      dr.Close()
192      '=====
193      'AMBIL ID SUBJECT
194      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 1
T_Katalog.vb
194      query = "SELECT ID_SUBJECT FROM SUBJECT WHERE NAMA_SUBJECT = " & txtSubject.Text & "
195      comm.CommandText = query
196      comm.Connection = conn
197
198      dr = comm.ExecuteReader()
199
200      While (dr.Read)
201      |   id_subject = dr(0)
202      End While
203      dr.Close()
204
205
206      Catch ex As Exception
207      |   MsgBox(ex.Message)
208      Finally
209      |   conn.Close()
210      End Try
211
212      TAMPILKAN_RAK_DAN_STATUS_PINJAM()
213      End Sub
214
215      Private Sub dgvKoleksi_CellContentClick(ByVal sender As System.Object, ByVal e As System.Windows.Forms.DataGridViewCellEventArgs)
216      End Sub
217      End Sub
218      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 1
T_Sirkulasi.vb
1 Imports System.Data.SqlClient
2 Imports System.IO
3
4 Public Class T_Sirkulasi
5     #Region "PROSEDUR & FUNGSI"
6     Dim cek_anggota As Integer = 0
7     Dim cek_koleksi As Integer = 0
8     Dim cek_sudah_dipinjam As Integer = 0
9     Dim cek_sts_pinjam As Integer = 0
10    Dim jml_pinjaman_sementara As Integer = 0
11    Dim cek_sirkulasi_sudah_masuk As Integer = 0
12    Dim tgl_kembali As Date
13
14    Dim _path As String = My.Application.Info.DirectoryPath & "\images\NO_IMG.PNG"
15    Dim _path2 As String = My.Application.Info.DirectoryPath
16
17    Dim query_arr(0) As String
18    Dim counter As Integer = 0
19    Dim menghitung_hari As Integer = 0
20    Dim mau_bayar_denda = 1
21    Dim biaya_denda As Integer = 0
22
23    Dim id_level
24    Sub COUNTER_ID()
25    Try
26    conn.Open()

```

```

25     Try
26         conn.Open()
27         comm.CommandText = "SELECT MAX(ID_SIRKULASI) FROM SIRKULASI "
28         comm.Connection = conn
29
30         dr = comm.ExecuteReader
31         While dr.Read
32             If IsDBNull(dr(0)) = True Then
33                 lblID.Text = 1
34             Else
35                 lblID.Text = dr(0) + 1
36             End If
37         End While
38         Catch ex As Exception
39             MsgBox(ex.Message)
40         Finally
41             conn.Close()
42         End Try
43     End Sub
44
45     Sub CEK_DENDA()
46         Try
47             biaya_denda = 0
48             conn.Open()
49             '#####
50             'TAMPILKAN DATA KOLEKSI YANG DIPINJAM ANGGOTA BERDASARKAN ID_JENIS

```

```

49         '#####
50         'TAMPILKAN DATA KOLEKSI YANG DIPINJAM ANGGOTA BERDASARKAN ID_JENIS
51         counter = 0
52         query = "SELECT DS.TGL_HRS KEMBALI, K.DENDA, DS.ID_SIRKULASI, DS.ID_SALINAN " &
53             "FROM SIRKULASI SIR, DET_SIRKULASI DS, SALINAN S, KOLEKSI KOL, JENIS_KOLEKSI
54             "WHERE SIR.ID_SIRKULASI = DS.ID_SIRKULASI AND " & _
55             "ds.ID_SALINAN = S.ID_SALINAN AND " & _
56             "S.ID_KOLEKSI = KOL.ID_KOLEKSI AND " & _
57             "KOL.ID_JENIS = JK.ID_JENIS AND " & _
58             "JK.ID_JENIS = K.ID_JENIS AND " & _
59             "SIR.ID_ANGGOTA = " & id_anggota & " AND " & _
60             "K.ID_LEVEL = " & id_level
61         comm.CommandText = query
62         comm.Connection = conn
63         dr = comm.ExecuteReader
64
65         While (dr.Read)
66             lama_hari = DateDiff(DateInterval.Day, dr(0), Date.Today)
67             menghitung_hari = lama_hari
68
69             'CEK JIKA ADA HARI MINGGU, lama_hari-1
70             For i As Integer = 1 To menghitung_hari
71                 'MsgBox(DateAdd(DateInterval.Day, j, Date.Today))
72                 If (DateAdd(DateInterval.Day, i, Date.Today).DayOfWeek = DayOfWeek.Sunday) Th
73                     lama_hari = lama_hari - 1
74             End If

```

```

73                 lama_hari = lama_hari - 1
74             End If
75         Next
76
77         'MsgBox("lama hari = " & lama_hari)
78
79         If (lama_hari > 0) Then
80             biaya_denda = lama_hari * dr(1)
81         Else
82             biaya_denda = 0
83         End If
84         'MsgBox("biaya denda = " & biaya_denda)
85
86         'UPDATE DENDA
87         query_arr(counter) = "UPDATE DET_SIRKULASI " & _
88             "SET SANKSI = " & biaya_denda & " " & _
89             "WHERE ID_SIRKULASI = " & dr(2) & " AND " & _
90             "ID_SALINAN = " & dr(3)
91         counter = counter + 1
92         ReDim Preserve query_arr(counter)
93     End While
94     dr.Close()
95
96     'UPDATE DENDA
97     For i As Integer = 0 To counter - 1
98         comm.CommandText = query_arr(i)

```

```

97         For i As Integer = 0 To counter - 1
98             comm.CommandText = query_arr(i)
99             comm.Connection = conn
100            comm.ExecuteNonQuery()
101        Next
102        Catch ex As Exception
103            MsgBox(ex.Message)
104        Finally
105            conn.Close()
106        End Try
107    End Sub
108
109
110    Sub ISI_SIRKULASI()
111        CEK_DENDA()
112        Try
113            conn.Open()
114            dtSirkulasi.Clear()
115            query = "SELECT DS.ID_SALINAN 'ID_SALINAN', K.NAMA_KOLEKSI 'NAMA', SIR.TGL_PINJAM 'TA
116                "FROM SIRKULASI SIR, DET_SIRKULASI DS, SALINAN S, KOLEKSI K " & _
117                "WHERE SIR.ID_SIRKULASI = DS.ID_SIRKULASI AND " & _
118                "DS.ID_SALINAN = S.ID_SALINAN AND " & _
119                "S.ID_KOLEKSI = K.ID_KOLEKSI AND " & _
120                "DS.TGL_KEMBALI IS NULL AND " & _
121                "ID_ANGGOTA = " & txtIDAnggota.Text
122            da = New SqlDataAdapter(query, conn)

```

```

121            "ID_ANGGOTA = " & txtIDAnggota.Text
122            da = New SqlDataAdapter(query, conn)
123            da.Fill(dtSirkulasi)
124            da.MissingSchemaAction = MissingSchemaAction.AddWithKey
125
126            dv = dtSirkulasi.DefaultView
127            dgvSirkulasi.DataSource = dv
128        Catch ex As Exception
129            MsgBox(ex.Message)
130        Finally
131            conn.Close()
132        End Try
133    End Sub
134
135    Sub CEK_STATUS(ByVal tambah As Boolean, ByVal kembali As Boolean)
136        btnTambah.Enabled = tambah
137        btnKembali.Enabled = kembali
138    End Sub
139
140    Sub CEK_PINJAM_KEMBALI()
141        Try
142            conn.Open()
143
144            cek_sts_pinjam = 0
145            denda = 0
146            CEK_STATUS(False, False)

```

```

145            denda = 0
146            CEK_STATUS(False, False)
147
148            'CEK BUKU PERNAH DIPINJAM ATAU BELUM
149            query = "SELECT DS.ID_SIRKULASI " & _
150                "FROM DET_SIRKULASI DS, SIRKULASI S " & _
151                "WHERE S.ID_SIRKULASI = DS.ID_SIRKULASI AND " & _
152                "DS.TGL_KEMBALI IS NULL AND " & _
153                "S.ID_ANGGOTA = " & id_anggota & " AND " & _
154                "DS.ID_SALINAN = " & id_salinan
155
156            comm.CommandText = query
157            comm.Connection = conn
158
159            dr = comm.ExecuteReader
160
161            While (dr.Read)
162                'JIKA KOLEKSI SUDAH DIPINJAM OLEH ANGGOTA, BUTTON KEMBALI AKTIF
163                cek_sts_pinjam = 1
164                CEK_STATUS(False, True)
165
166                id_sirkulasi = dr(0)
167            End While
168            dr.Close()
169
170            'JIKA KOLEKSI BELUM DIPINJAM OLEH ANGGOTA (cek_sts_pinjam = 0)

```

```

D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Sirkulasi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
T_Sirkulasi.vb
169
170
171 'JIKA KOLEKSI BELUM DIPINJAM OLEH ANGGOTA (cek_sts_pinjam = 0)
172 If cek_sts_pinjam = 0 Then
173     CEK_STATUS(True, False)
174 End If
175
176 Catch ex As Exception
177     MsgBox(ex.Message)
178 Finally
179     conn.Close()
180 End Try
181 End Sub
182
183 #End Region
184
185
186 Private Sub T_Sirkulasi_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Hand
187     KONEKSI ()
188     COUNTER_ID ()
189     'ISI_KOLEKSI ()
190     'CEK_BUTTON(1, 0, 0, 1)
191 End Sub
192
193
194 Private Sub btnCekAnggota_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) H

```

```

D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Sirkulasi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
T_Sirkulasi.vb
193
194 Private Sub btnCekAnggota_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) H
195     cek_anggota = 0
196     Try
197         If IsNumeric(txtIDAnggota.Text) Then
198             conn.Open ()
199
200             query = "SELECT * FROM ANGGOTA WHERE ID_ANGGOTA = " & txtIDAnggota.Text & " AND S
201             comm.CommandText = query
202             comm.Connection = conn
203
204             dr = comm.ExecuteReader
205
206             While (dr.Read)
207                 id_anggota = dr(0)
208                 txtNamaAnggota.Text = dr(1)
209                 id_level = dr(2)
210
211                 cek_anggota = 1
212                 txtIDSalinan.Focus ()
213             End While
214             dr.Close ()
215             If cek_anggota = 0 Then
216                 txtNamaAnggota.Text = "Data tidak ditemukan/Status Anggota tidak aktif"
217             End If
218         Else

```

```

D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Sirkulasi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
T_Sirkulasi.vb
217         End If
218     Else
219         txtNamaAnggota.Text = "Data tidak ditemukan"
220     End If
221
222     btnTambah.Enabled = False
223     btnKembali.Enabled = False
224
225     Catch ex As Exception
226         MsgBox(ex.Message)
227     Finally
228         conn.Close ()
229     End Try
230
231     ISI_SIRKULASI ()
232 End Sub
233
234 Private Sub btnCekKoleksi_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) H
235     cek_koleksi = 0
236     cek_sts_pinjam = 0
237     cek_sudah_dipinjam = 0
238
239     Try
240         If IsNumeric(txtIDAnggota.Text) Then
241             conn.Open ()

```

```

241 conn.Open ()
242
243 query = "SELECT K.COVER " & _
244         "FROM KOLEKSI K, SALINAN S " & _
245         "WHERE S.ID KOLEKSI = K.ID KOLEKSI AND " & _
246         "S.ID SALINAN = " & txtIDSalinan.Text
247 comm.CommandText = query
248 comm.Connection = conn
249
250 If comm.ExecuteScalar.ToString = "" Then
251     'tidak ada cover foto
252     'pbView.Visible = False
253 Else
254     pbView.Refresh ()
255     Dim imageData As Byte () = DirectCast (comm.ExecuteScalar (), Byte ())
256     If Not imageData Is Nothing Then
257         Using ms As New MemoryStream (imageData, 0, imageData.Length)
258             ms.Write (imageData, 0, imageData.Length)
259             'pbCover.BackgroundImage = Image.FromStream (ms, True)
260             pbView.Image = Image.FromStream (ms, True)
261         End Using
262     End If
263 End If
264
265 'CEK SALINAN ADA ATAU TIDAK
266 query = "SELECT S.ID SALINAN, K.NAMA KOLEKSI " & _

```

```

265 'CEK SALINAN ADA ATAU TIDAK
266 query = "SELECT S.ID SALINAN, K.NAMA KOLEKSI " & _
267         "FROM SALINAN S, KOLEKSI K " & _
268         "WHERE S.ID KOLEKSI = K.ID KOLEKSI AND ID_SALINAN= " & txtIDSalinan.Text
269 comm.CommandText = query
270 comm.Connection = conn
271
272 dr = comm.ExecuteReader
273
274 While (dr.Read)
275     cek_koleksi = 1
276     id_salinan = dr(0)
277     nama_koleksi = dr(1)
278 End While
279 dr.Close ()
280
281 'If cek_koleksi = 1 Then
282     'txtNamaKoleksi.Text = nama_koleksi
283 'ElseIf cek_koleksi = 0 Then
284     'txtNamaKoleksi.Text = "Data tidak ditemukan"
285 'End If
286
287 #####
288 'CEK SALINAN DIPINJAM ATAU TIDAK OLEH ORANG LAIN
289 query = "SELECT SIR.ID ANGGOTA " & _
290         "FROM SIRKULASI SIR, DET SIRKULASI DS, SALINAN S " & _

```

```

289 query = "SELECT SIR.ID ANGGOTA " & _
290         "FROM SIRKULASI SIR, DET SIRKULASI DS, SALINAN S " & _
291         "WHERE SIR.ID SIRKULASI = DS.ID SIRKULASI AND " & _
292         "DS.ID SALINAN = S.ID SALINAN AND " & _
293         "SIR.ID ANGGOTA <> " & id_anggota & " AND " & _
294         "S.ID SALINAN = " & id_salinan & " AND " & _
295         "S.STATUS PINJAM = 0"
296 comm.CommandText = query
297 comm.Connection = conn
298
299 dr = comm.ExecuteReader
300
301 While (dr.Read)
302     cek_sudah_dipinjam = 1
303 End While
304 dr.Close ()
305 '#####
306
307 If cek_koleksi = 1 And cek_sudah_dipinjam = 0 Then
308     txtNamaKoleksi.Text = nama_koleksi
309 ElseIf cek_koleksi = 1 And cek_sudah_dipinjam = 1 Then
310     txtNamaKoleksi.Text = nama_koleksi
311     MsgBox ("Koleksi sedang dipinjam oleh anggota lain")
312 ElseIf cek_koleksi = 0 Then
313     txtNamaKoleksi.Text = "Data tidak ditemukan"
314 End If

```

```

313         txtNamaKoleksi.Text = "Data tidak ditemukan"
314     End If
315 Else
316     txtNamaKoleksi.Text = "Data tidak ditemukan"
317 End If
318
319     CEK_STATUS(False, False)
320
321     Catch ex As Exception
322         MsgBox(ex.Message)
323     Finally
324         conn.Close()
325     End Try
326
327     CEK_PINJAM_KEMBALI()
328 End Sub
329
330 Private Sub btnTambah_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handl
331 Try
332     cek_sirkulasi_sudah_masuk = 0
333     pil = MessageBox.Show("Tambah Koleksi?", ".: Konfirmasi Tambah Koleksi .:", MessageBo
334 If pil = 1 Then 'PILIH OK
335     conn.Open()
336
337     '*****
338     'pindah ke atas scriptnya

```

```

337     '*****
338     'pindah ke atas scriptnya
339     '*****
340     'PERIKSA KOLEKSI TERMASUK JENIS KOLEKSI APA (BUKU/CD/MAJALAH)
341     query = "SELECT K.ID_JENIS " & _
342     "FROM SALINAN S, KOLEKSI K " & _
343     "WHERE S.ID_KOLEKSI = K.ID_KOLEKSI AND " & _
344     "S.ID_SALINAN = " & id_salinan
345
346     comm.CommandText = query
347     comm.Connection = conn
348     dr = comm.ExecuteReader
349
350     While (dr.Read)
351         id_jenis = dr(0)
352     End While
353     dr.Close()
354
355     '*****
356
357     'PERIKSA KUOTA KOLEKSI ANGGOTA
358     query = "SELECT KUOTA, LAMA, DENDA " & _
359     "FROM KETENTUAN " & _
360     "WHERE ID_JENIS = " & id_jenis & " AND " & _
361     "ID_LEVEL = " & id_level

```

```

361     "ID_LEVEL = " & id_level
362
363     comm.CommandText = query
364     comm.Connection = conn
365     dr = comm.ExecuteReader
366
367     While (dr.Read)
368         kuota = dr(0)
369         lama = dr(1)
370         denda = dr(2)
371     End While
372     dr.Close()
373
374     '*****
375
376     'PERIKSA KOLEKSI JENIS YANG AKAN DIPINJAM, MELEBIHI KUOTA ATAU TIDAK
377     query = "SELECT COUNT(DS.ID_SALINAN) " & _
378     "FROM SIRKULASI SIR, DET SIRKULASI DS, SALINAN S, KOLEKSI K " & _
379     "WHERE SIR.ID_SIRKULASI = DS.ID_SIRKULASI AND " & _
380     "DS.ID_SALINAN = S.ID_SALINAN AND " & _
381     "S.ID_KOLEKSI = K.ID_KOLEKSI AND " & _
382     "SIR.ID_ANGGOTA = " & id_anggota & " AND " & _
383     "DS.TGL_KEMBALI IS NULL"
384
385     comm.CommandText = query
386     comm.Connection = conn

```

```
D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1T_Sirkulasi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
T_Sirkulasi.vb
385      comm.CommandText = query
386      comm.Connection = conn
387      dr = comm.ExecuteReader
388
389      While (dr.Read)
390          jml_pinjaman_sementara = dr(0)
391      End While
392      dr.Close()
393
394      'MsgBox("jumlah : " & jml_pinjaman_sementara)
395
396      'CEK JUMLAH PINJAMAN SEMENTARA BERDASARKAN JENISNYA
397      'APABILA MELEBIHI KUOTA, MAKA TIDAK BISA DILAKUKAN PEMINJAMAN
398      If jml_pinjaman_sementara >= kuota Then
399          MsgBox("Pinjaman koleksi anda sudah melebihi kuota")
400      Else
401          'CEK APAKAH SIRKULASI SUDAH DIINSERT ATAU BELUM
402          query = "SELECT ID_SIRKULASI " & _
403                "FROM SIRKULASI " & _
404                "WHERE ID_SIRKULASI = " & lblID.Text
405
406          comm.CommandText = query
407          comm.Connection = conn
408          dr = comm.ExecuteReader
409
410          While (dr.Read)
```

```
D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1T_Sirkulasi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
T_Sirkulasi.vb
409      While (dr.Read)
410          cek_sirkulasi_sudah_masuk = 1
411      End While
412      dr.Close()
413
414      tgl_kembali = DateAdd(DateInterval.Day, lama, Date.Today)
415
416      If tgl_kembali.DayOfWeek = DayOfWeek.Sunday Then
417          tgl_kembali = DateAdd(DateInterval.Day, 1, tgl_kembali)
418      End If
419      ' MsgBox(tgl_kembali)
420
421      'JIKA TABEL SIRKULASI BELUM DIINSERTKAN, MAKA INSERT TABEL SIRKULASI
422      If cek_sirkulasi_sudah_masuk = 0 Then
423          query = "INSERT INTO SIRKULASI " & _
424                "VALUES (" & lblID.Text & ", " & id_anggota & ",getdate())"
425
426          comm.CommandText = query
427          comm.Connection = conn
428          comm.ExecuteScalar()
429      End If
430
431      'INSERT TABEL DET SIRKULASI
432      query = "INSERT INTO DET SIRKULASI(ID_SIRKULASI, ID_SALINAN, TGL_HRS_KEMBALI,
433            "VALUES (" & lblID.Text & " " & id_salinan & " " & tgl_kembali & " "
```

```
D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1T_Sirkulasi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
T_Sirkulasi.vb
433      query = "INSERT INTO DET SIRKULASI(ID_SIRKULASI, ID_SALINAN, TGL_HRS_KEMBALI,
434            "VALUES (" & lblID.Text & " " & id_salinan & " " & tgl_kembali & " "
435
436      comm.CommandText = query
437      comm.Connection = conn
438      comm.ExecuteScalar()
439
440      'UPDATE STATUS PINJAM PADA TABEL SALINAN
441      query = "UPDATE SALINAN " & _
442            "SET STATUS_PINJAM = 0 " & _
443            "WHERE ID_SALINAN = " & id_salinan
444
445      comm.CommandText = query
446      comm.Connection = conn
447      comm.ExecuteScalar()
448
449      MsgBox.Show("Koleksi berhasil ditambah", ".: Sukses .:", MessageBoxButtons)
450      End If
451      Else
452          txtJenis.Focus()
453      End If
454      Catch ex As Exception
455          MsgBox(ex.Message)
456          MsgBox(query)
457      Finally
458          conn.Close()
459      End Try
```

```
D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\T_Sirkulasi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
T_Sirkulasi.vb
457 End Try
458
459 ISI_SIRKULASI()
460 txtIDSalinan.Text = ""
461 txtNamaKoleksi.Text = ""
462
463 End Sub
464
465 Private Sub btnKembali_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Hand
466 Try
467     mau_bayar_denda = 1
468     biaya_denda = 0
469     pil = MessageBox.Show("Kembalikan Koleksi?", ".: Konfirmasi Kembali Koleksi :.", Mess
470     If pil = 1 Then 'PILIH OK
471         conn.Open()
472
473         'CEK DENDA
474         query = "SELECT SANKSI " & _
475                 "FROM DET_SIRKULASI " & _
476                 "WHERE ID_SIRKULASI = " & id_sirkulasi & " AND " & _
477                 "ID_SALINAN = " & id_salinan
478         comm.CommandText = query
479         comm.Connection = conn
480         dr = comm.ExecuteReader
481
482         While (dr.Read)
```

```
481 While (dr.Read)
482     biaya_denda = dr(0)
483 End While
484 dr.Close()
485
486
487 If biaya_denda <> 0 Then
488     pil = MessageBox.Show("Denda yang harus dibayar : Rp " & dr(0) & ",00. Bayar?
489     If pil = 1 Then 'PILIH OK
490         mau_bayar_denda = 1
491     Else
492         mau_bayar_denda = 0
493     End If
494 Else
495     mau_bayar_denda = 1
496 End If
497
498 If mau_bayar_denda = 1 Then
499     'UPDATE TGL KEMBALI KE DALAM TABEL DET_SIRKULASI
500     query = "UPDATE DET_SIRKULASI " & _
501             "SET TGL_KEMBALI = GETDATE() " & _
502             "WHERE ID_SIRKULASI = " & id_sirkulasi & " AND " & _
503             "ID_SALINAN = " & id_salinan
504     comm.CommandText = query
505     comm.Connection = conn
506     comm.ExecuteScalar()
```

```
505 comm.Connection = conn
506 comm.ExecuteScalar()
507
508 MessageBox.Show("Koleksi berhasil dikembalikan", ".: Sukses :.", MessageBoxButtons
509
510 'UPDATE STATUS PINJAM PADA TABEL SALINAN
511 query = "UPDATE SALINAN " & _
512         "SET STATUS_PINJAM = 1 " & _
513         "WHERE ID_SALINAN = " & id_salinan
514 comm.CommandText = query
515 comm.Connection = conn
516 comm.ExecuteScalar()
517 End If
518 Else
519     txtJenis.Focus()
520 End If
521 Catch ex As Exception
522     MsgBox(ex.Message)
523     MsgBox(query)
524 Finally
525     conn.Close()
526 End Try
527
528 ISI_SIRKULASI()
529 txtIDSalinan.Text = ""
530 txtNamaKoleksi.Text = ""
```

```

D:\Stikom Surabaya\Penditian\Pengabdian Masyarakat (2013)\PERPUS_ET\PERPUS_ET\Lap_Sirkulasi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
Lap_Sirkulasi.vb
529     txtIDSalinan.Text = ""
530     txtNamaKoleksi.Text = ""
531 End Sub
532
533 Private Sub btnBaru_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
534     COUNTER_ID()
535     txtIDAnggota.Text = ""
536     txtNamaAnggota.Text = ""
537     txtIDSalinan.Text = ""
538     txtNamaKoleksi.Text = ""
539     dtSirkulasi.Clear()
540     CEK_STATUS(False, False)
541 End Sub
542 End Class
543
544
545
546
547
548
549
550
551
552
553
Visual Basic file length: 20,829 lines: 553 Ln: 553 Col: 1 Sel: 0|0 Windows (CRLF) UTF-8 INS

```

13. Form Laporan Koleksi

```

D:\Stikom Surabaya\Penditian\Pengabdian Masyarakat (2013)\PERPUS_ET\PERPUS_ET\Lap_Koleksi.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
Lap_Koleksi.vb
1 Imports CrystalDecisions.CrystalReports.Engine
2 Imports CrystalDecisions.Shared
3 Imports System.Data.SqlClient
4
5 Public Class Lap_Koleksi
6     Dim objRepDoc As New ReportDocument
7
8     Private Sub Lap_Koleksi_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
9         cbKondisi.SelectedIndex = 0
10
11         objRepDoc = New crKoleksi
12         crvKoleksi.ReportSource = objRepDoc
13     End Sub
14
15     Private Sub btnProses_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnProses.Click
16         If cbKondisi.SelectedIndex = 0 Then 'SEMUA
17             objRepDoc.RecordSelectionFormula = ""
18             crvKoleksi.RefreshReport()
19         ElseIf cbKondisi.SelectedIndex = 1 Then 'BAIK
20             query = "(SALINAN.KONDISI_SALINAN) = 1"
21             objRepDoc.RecordSelectionFormula = query
22             crvKoleksi.RefreshReport()
23         Else 'BURUK
24             query = "(SALINAN.KONDISI_SALINAN) = 0"
25             objRepDoc.RecordSelectionFormula = query
26             crvKoleksi.RefreshReport()
27         End If
28     End Sub
29 End Class
30
Visual Basic file length: 1,101 lines: 30 Ln: 1 Col: 1 Sel: 0|0 Windows (CRLF) UTF-8 INS

```

14. Form Laporan Peminjaman

```

D:\Stikom Surabaya\Penditian\Pengabdian Masyarakat (2013)\PERPUS_ET\PERPUS_ET\Lap_Peminjaman.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
Lap_Peminjaman.vb
1 Imports CrystalDecisions.CrystalReports.Engine
2 Imports CrystalDecisions.Shared
3 Imports System.Data.SqlClient
4
5 Public Class Lap_Peminjaman
6
7     Dim objRepDoc As New ReportDocument
8
9     #Region "PROSEDUR & FUNGSI"
10     Sub ISI_BULAN()
11         For i As Integer = 1 To 12
12             cbBulan.Items.Add(i)
13             cbBulan2.Items.Add(i)
14         Next
15     End Sub
16
17     Sub ISI_TAHUN()
18         For i As Integer = Now.Year - 2 To Now.Year + 102
19             cbTahun.Items.Add(i)
20             cbTahun2.Items.Add(i)
21         Next
22     End Sub
23 #End Region
24
25 Private Sub Lap_Peminjaman_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles M
26     KONTAKST()

```

```
D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\Lap_Peminjaman.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
Lap_Peminjaman.vb
24
25 Private Sub Lap_Peminjaman_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles M
26     KONEKSI ()
27
28     objRepDoc = New crPeminjaman
29     crvPeminjaman.ReportSource = objRepDoc
30
31     ISI_BULAN ()
32     ISI_TAHUN ()
33 End Sub
34
35 Private Sub rbSemua_CheckedChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
36     cbBulan.Enabled = False
37     cbTahun.Enabled = False
38
39     cbBulan2.Enabled = False
40     cbTahun2.Enabled = False
41
42     btnProses.Enabled = False
43 End Sub
44
45 Private Sub rbFilter_CheckedChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handle
46     cbBulan.Enabled = True
47     cbTahun.Enabled = True
48
49     cbBulan2.Enabled = True
50     cbTahun2.Enabled = True
51     btnProses.Enabled = True
52 End Sub
53 End Class
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
Visual Basic file length: 1,488 lines: 54 Ln: 1 Col: 1 Sel: 0|0 Windows (CR LF) UTF-8 INS
```

```
D:\Stikom Surabaya\Pendidikan\Pengabdian Masyarakat (2013)\PERPUS_E1\PERPUS_E1\Lap_Peminjaman.vb - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 1
Lap_Peminjaman.vb
47     cbTahun.Enabled = True
48
49     cbBulan2.Enabled = True
50     cbTahun2.Enabled = True
51
52     btnProses.Enabled = True
53 End Sub
54 End Class
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
Visual Basic file length: 1,522 lines: 71 Ln: 71 Col: 1 Sel: 0|0 Windows (CR LF) UTF-8 INS
```