****

Hendi Wibowo

Edisi 04 November 2019 (Draft)



**PANDUAN**

**DEVELOPER**

|  |  |
| --- | --- |
|  | *Panduan Pengembangan Aplikasi Perangkat Lunak dengan menggunakan framework CoreNET dan CoreNET Content Management System* |





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# Bab 1. Instalasi ADK CoreNET Framework

## 1.1 Download ADK CoreNET Framework

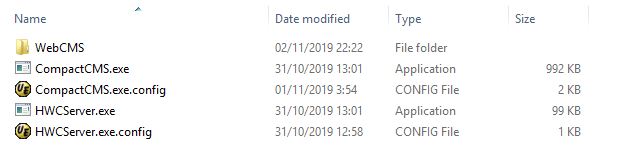
Kunjungi portal <https://corenet.usadi.id>, dan klik “**Download CoreNET**”.



Atau anda bisa men-download CoreNET ADK dari link *github* berikut ini:

<https://github.com/hw22011980/CoreNET/>

Extract ke drive “D:\” dan bukalah folder **\Published**, sebagaimana gambar berikut ini:



**Catatan :** Pastikan setting di ***windows explorer*** menampilkan ekstensi file, agar terlihat jelas perbedaan file “**\*.exe**” dan file “**\*.exe.config**”

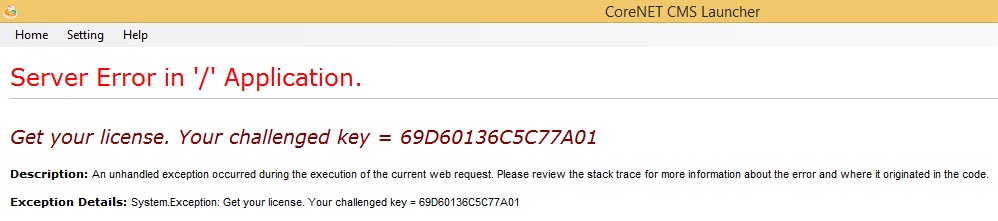
## 1.2 Struktur Folder Published

Folder **Published** terdiri dari beberapa file, diantaranya file-file berikut ini:

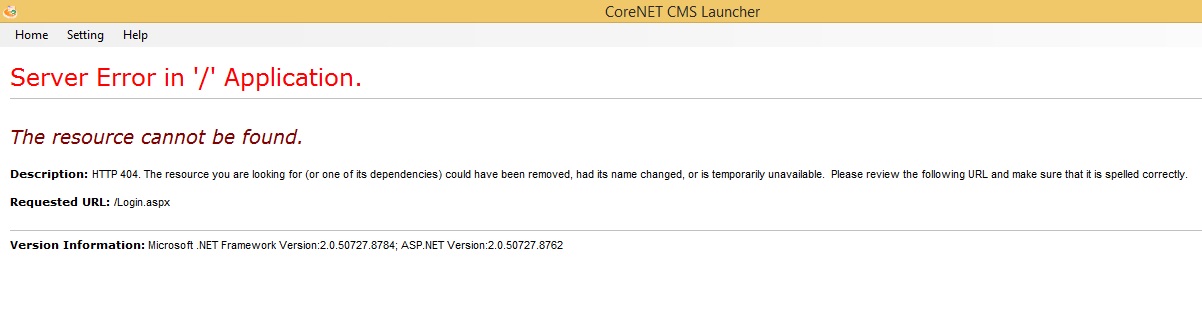
| No | Nama Folder/File | Keterangan |
| --- | --- | --- |
| 1 | WebCMS | Folder aplikasi CMS berbasis web menggunakan ASP.NET dan .NET Framework |
| 2 | CoreNETLauncher.exe | *Launcher* dari CMS, aplikasi desktop yang mengandung *embedded internet browser* |
| 3 | CoreNETLauncher.exe.config | Berisi konfigurasi dariaplikasi***CoreNETLauncher.exe*** |
| 4 | HWCServer.exe | Aplikasi *embedded web server*, sebagai alternatif pengganti IIS |
| 5 | HWCServer.exe.config | Berisi konfigurasi dariaplikasi***HWCServer.exe*** |

## 1.3 Jalankan Launcher

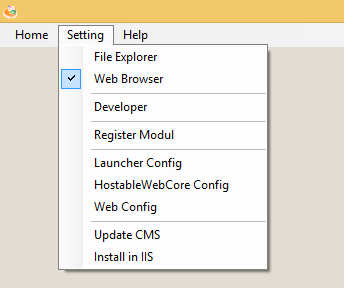
1. Klik file **CoreNETLauncher.exe** sehingga menampilkan tampilan sbb. (Pastikan aplikasi dikecualikan dari aplikasi anti virus di komputer anda).



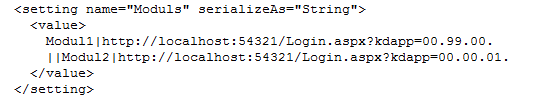
1. Jika halaman “***Get your license***” yang muncul, aplikasi **WebCMS** sudah berhasil terinstal di komputer anda, dengan alamat sesuai dengan yang ada di file **CoreNETLauncher.exe.config**, yaitu di **localhost** dan default port **54321** sbb. (setting port yang *compatible* dapat diubah selama port tersedia)
2. Jika muncul **error 404**, “*the resource cannot be found*” seperti ini, **WebCMS** belum terinstal dengan benar, karena (1) **embeded webserver** belum berhasil *running* atau (2)setting URL tidak valid.



1. Bukalah file konfigurasi **CoreNETLauncher** dengan mengklik menu “Launcher config”, lalu buka dengan menggunakan **notepad** atau **text editor** lainnya sbb.



1. Perhatikan sebagian isi file konfigurasi **CoreNETLauncher** berikut ini.



Modul/aplikasi yang tersedia, sesuai nilai *Value* dari *setting name* “**Moduls**” pada contoh di atas adalah sbb.

|  |  |  |
| --- | --- | --- |
| No | Judul | URL |
| 1 | Modul1 | http://localhost:54321/Login.aspx?kdapp=00.99.00. |
| 2 | Modul2 | http://localhost:54321/Login.aspx?kdapp=00.00.01. |

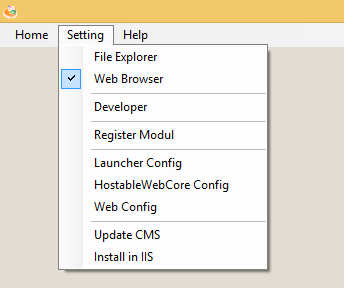
Perhatikan delimiter (karakater pembatas) untuk pemisah modul adalah “||”, sedangkan untuk pemisah judul modul dengan URLnya adalah “|”;

1. Jika yang muncul **error 404**, “*the resource cannot be found*” seperti point 3. Artinya URL aplikasi sebagaimana terdaftar di **konfigurasi Launcher** tidak bisa diakses (URL tidak ditemukan).

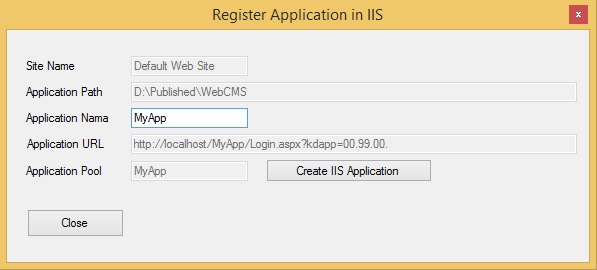
Solusi yang dapat dilakukan adalah (1) *troubleshooting* aplikasi **HWCServer.exe** (*HostableWebCore Server*), yaitu aplikasi yang berfungsi sebagai web server sebagai pengganti IIS, (2) Instal aplikasi CMS di IIS.

Pada tutorial ini, akan ditunjukkan bagaimana melakukan instalasi/registrasi aplikasi CoreNET CMS di aplikasi IIS.

1. Klik menu “**Install in IIS**” seperti pada gambar berikut ini.

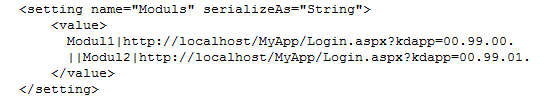


Lalu akan muncul halaman seperti gambar berikut ini.



Isikan “**Application Name**” lalu tekan tombol “**Create IIS Application**”. Lalu tutup jendela dengan mengklik tombol “**Close**”;

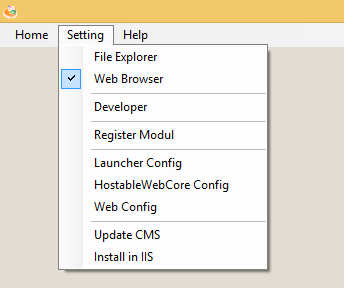
1. Setelah anda berhasil menambah aplikasi **WebCMS** di IIS, cobalah akses URL yang dibentuk dengan menggunakan **internet browser**. Lakukan “Paste” pada halaman URL. Setelah berhasil, sesuaikan url yang dibuat pada file **konfigurasi launcher** seperti **langkah 3**.



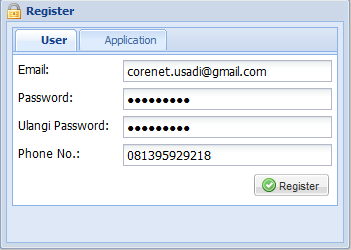
1. Tutup aplikasi lalu buka kembali untuk menampilkan perubahan yang sudah dilakukan
2. Jika diperlukan anda dapat melakukan instalasi manual aplikasi **WebCMS** di IIS dengan menggunakan **IIS Manager**
3. Jika masih ada masalah, kirimkan deskripsi permasalahan, disertai capture layar komputer jika diperlukan, melalui email ke [corenet.admin@gmail.com](mailto:corenet.admin@gmail.com)

## 1.4 Register CoreNET WebCMS

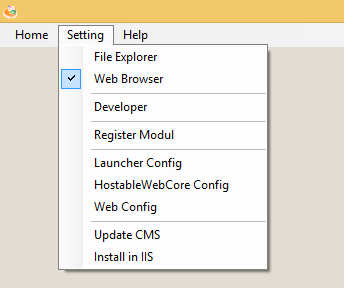
1. Klik menu “**Register Modul**” seperti pada gambar berikut ini



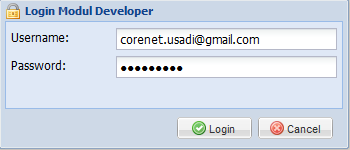
1. Masukkan alamat email, nomor ponsel, password dan ulangi password. Lalu klik tombol “**Register**”.



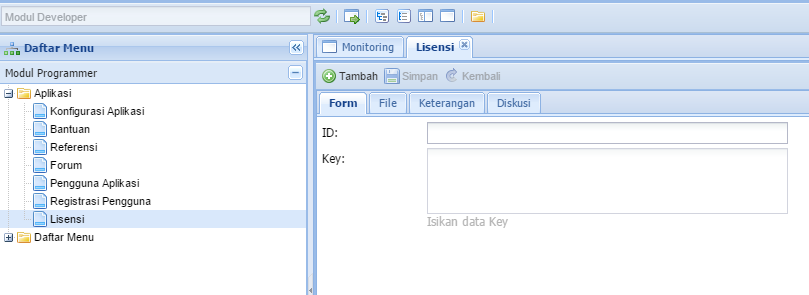
1. Setelah itu masuklah ke **Modul Developer** dengan mengklik menu “**Developer**”



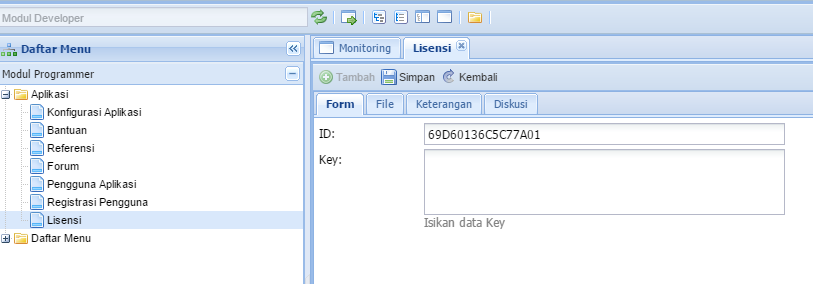
1. Masukkan login dengan email dan password yang sudah ditambahkan di **langkah 2**



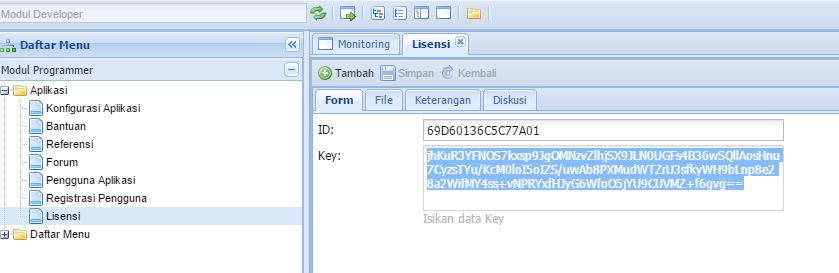
1. Klik menu “Lisensi” seperti di gambar berikut ini



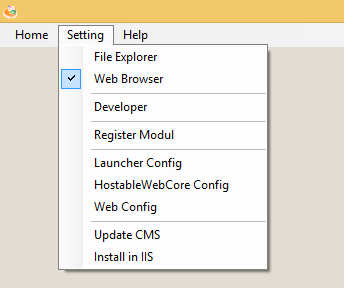
1. Klilk tombol “**Tambah**” lalu copaskan “**challenge key**” yang diperoleh dari langkah 1.3. di field ID seperti gambar berikut ini.



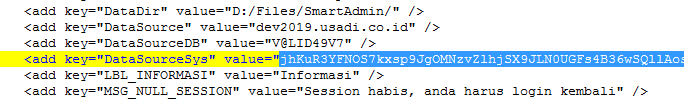
1. Klik tombol”**Simpan**”, lalu copykan isi nilai “**Key**”



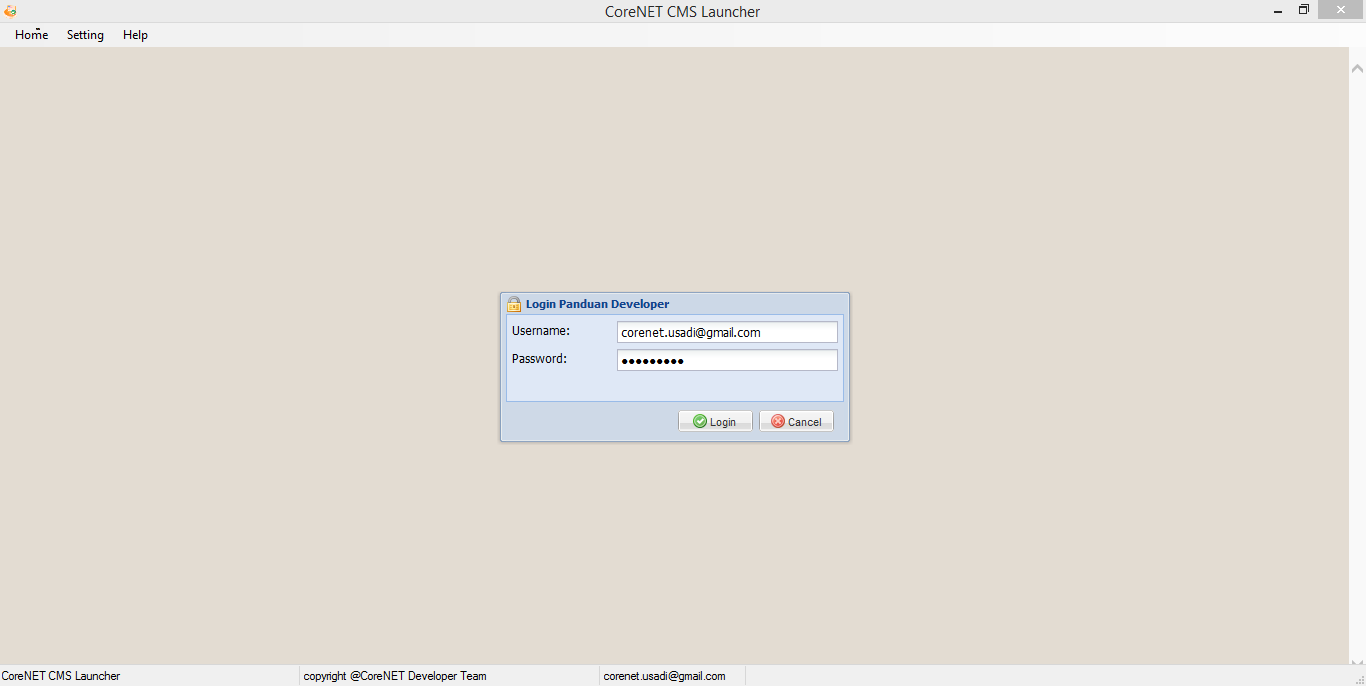
1. Klik menu “**Web Config**”



1. Paste kan nilai “**Key**” di langkah 7 ke baris di file “**web.config**” sbb.



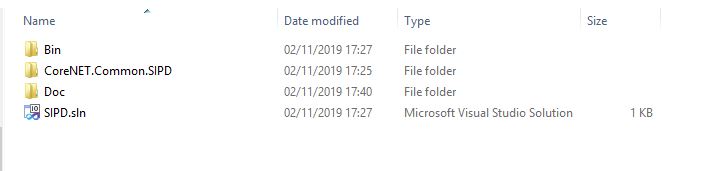
1. Tutup aplikasi lalu buka kembali untuk menampilkan perubahan yang sudah dilakukan
2. Akan tampil halaman login ke modul aplikasi “**Panduan Developer**”



1. Jika masih ada masalah, kirimkan deskripsi permasalahan, disertai capture layar komputer jika diperlukan, melalui email ke [corenet.usadi@gmail.com](mailto:corenet.usadi@gmail.com)

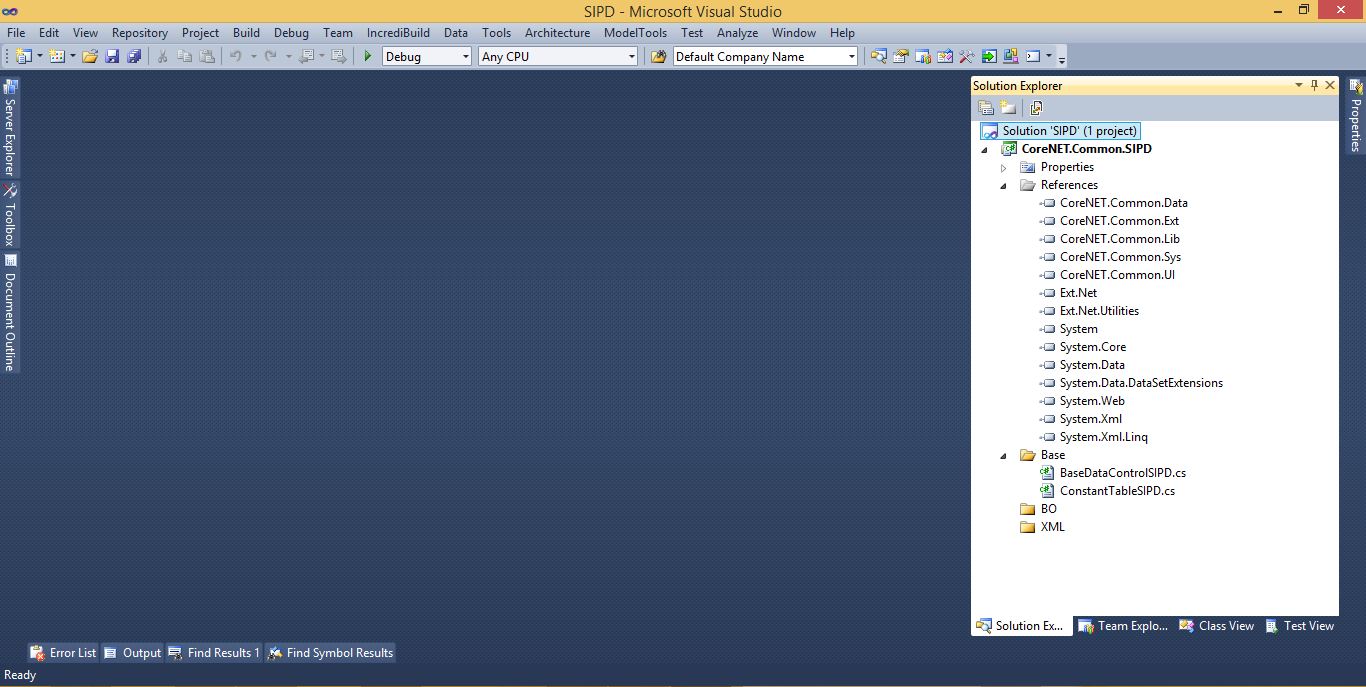
# Bab 2 Inisialisasi Visual Studio Project Library

1. Setelah anda men-download ADK CoreNET Framework dari <https://github.com/hw22011980/CoreNET/>, extract dan bukalah folder \Resources, sebagaimana gambar berikut ini:

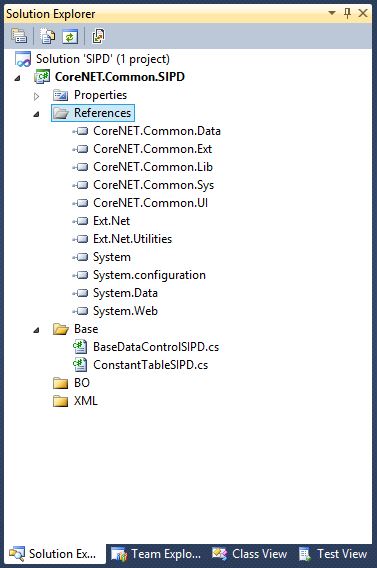


|  |  |  |
| --- | --- | --- |
| No | Nama Folder/File | Keterangan |
| 1 | Bin | Berisi file binary (\*.dll) CoreNET dan *dependent library* eksternal lainnya |
| 2 | CoreNET.Common.SIPD | Berisi *source code project library* |
| 3 | Doc | Berisi file ini dan dokumentasi lainnya |
| 4 | SIPD.sln | Microsoft Visual Studio Solution |

1. Jika anda sudah menginstal **Visual Studio 2010** (atau versi yang lebih baru), klik dua kali file SIPD.sln sehingga muncul gambar berikut ini:



Perhatikan jendela *Solution Explorer*, berikut ini:



## 2.1 Struktur Project

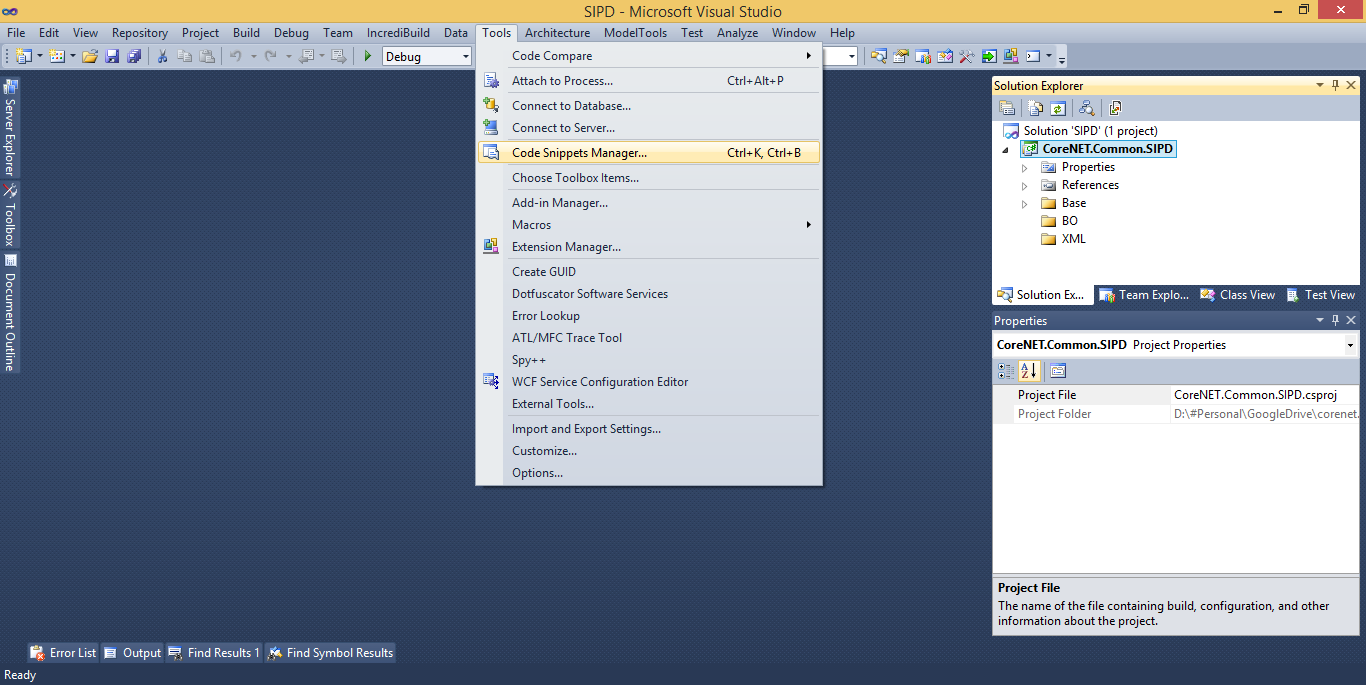
Template *project library* CoreNET terdiri dari beberapa *artefact* utama, sbb:

| No | Nama Folder/File | Keterangan |
| --- | --- | --- |
| 1 | Properties | Berisi *properties* dan *assembly information* dari *project* |
| 2 | References | Berisi file *binary* (\*.dll) CoreNET dan *dependent library* eksternal lainnya |
|  | CoreNET.Common.Data | Berisi *library* untuk akses data menggunakan ibatis.NET dan BO *class system* |
|  | CoreNET.Common.Ext | Berisi *base* *class, interface dan utilities* untuk mapping *controller* (BO *class)* dengan UI komponen Ext.NET |
|  | CoreNET.Common.Lib | *Library* berisi *base* *class, interface dan utilities* dasar framework CoreNET |
|  | CoreNET.Common.Sys | Berisi BO *class system* yang digunakan pada modul developer dan dapat di-*inherit*, jika diperlukan |
|  | CoreNET.Common.UI | Berisi *base* *class, interface dan utilities* untuk mapping *controller* (BO *class)* dengan UI komponen ASP.NET |
|  | Ext.Net | Library untuk komponen UI Ext.NET |
|  | Ext.Net.Utilities | Library untuk utility Ext.NET |
|  | System | Library .NET Framework standar |
|  | System.configuration | Library .NET Framework untuk mengelola konfigurasi yang disimpan di file \*.config |
|  | System.Data | Library .NET Framework berisi *utilities* untuk mengelola data |
|  | System.Web | Library untuk komponen UI Ext.NET |
| 3 | Base | Berisi *source code* yang menjadi *base class* atau banyak digunakan di *class-class* lainnya |
|  | BaseDataControlSIPD.cs | Base class untuk semua BO (*bussiness object*) *class* |
|  | ConstantTableSIPD.cs | Class untuk menyimpan konstanta yang sering digunakan, khususnya kontantan untuk nama file XML yang akan diset pada property XMLName |
| 4 | BO | Folder tempat menyimpan *source code* BO (*bussiness object*) *class* |
| 5 | XML | Folder tempat menyimpan file XML berisi query ke database |

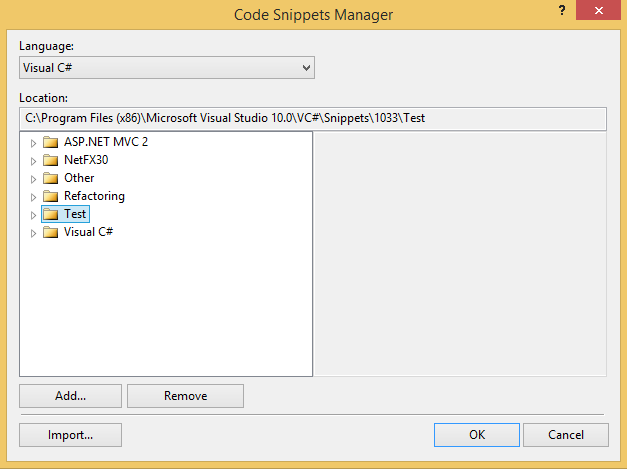
## 2.2. Snippet

Tambahkan Code Snippets di Visual Studio 2010 dengan cara sbb.

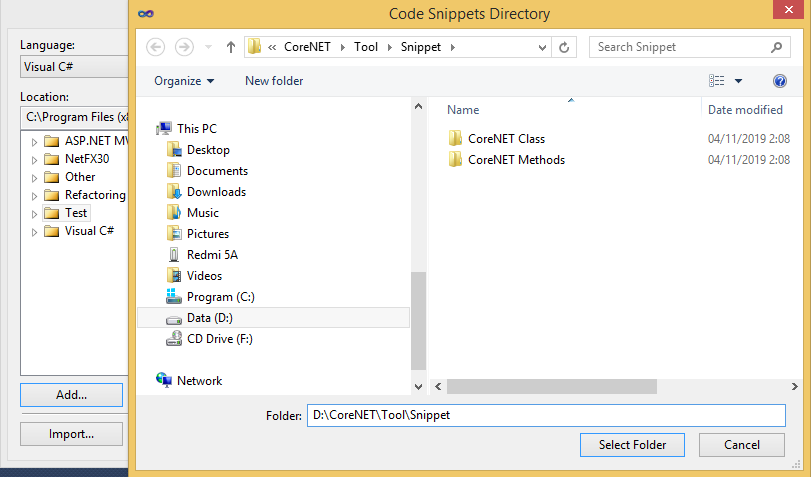
### 2.2.1. Klik Menu “Tools > Code Snippet Manager”



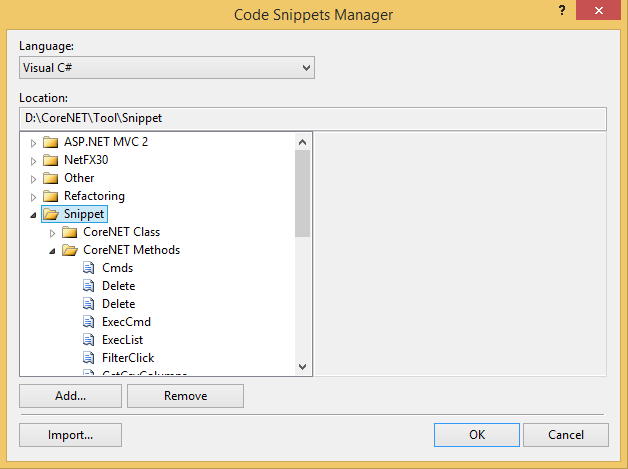
### 2.2.2. Pilih Language “C#”



### 2.2.3. Klik Tombol “Tambah”, lalu pilih folder “Tool\Snippet” di Folder CoreNET

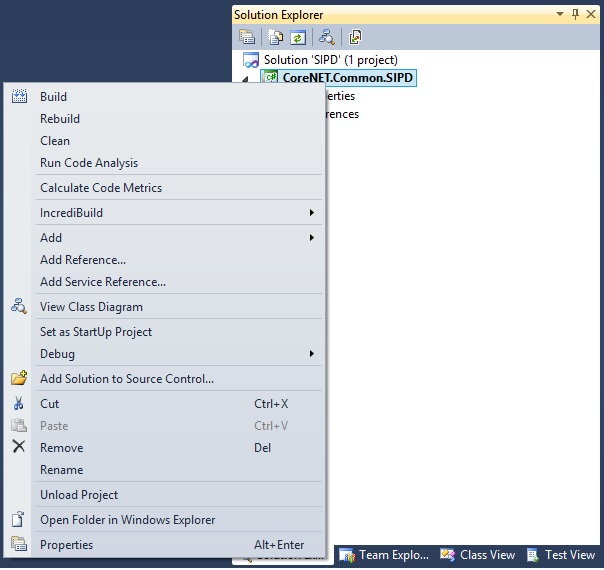


### 2.2.4. Klik tombol “Select Folder” dan jika berhasil akan muncul halaman sbb.

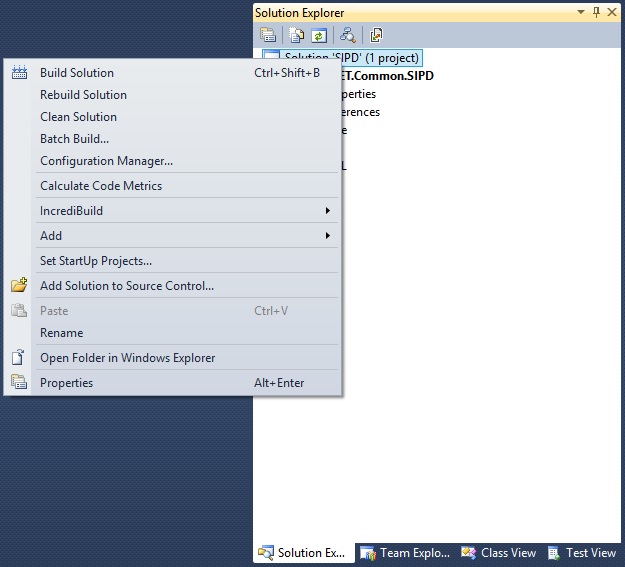


## 2.3 Test Compile/Build Project

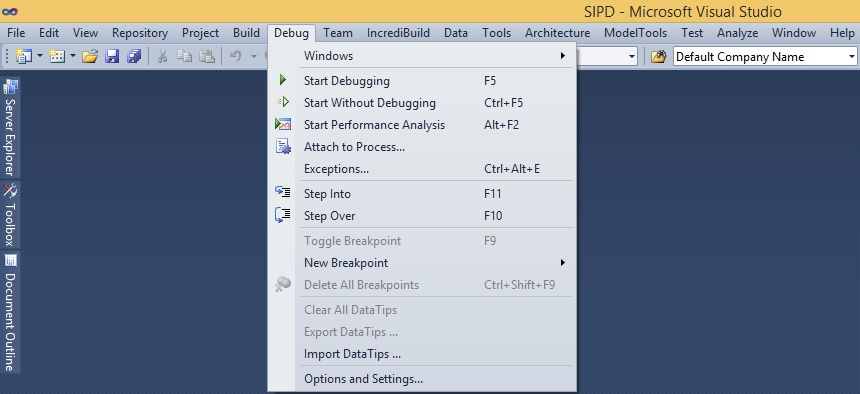
### 2.3.1. Klik kanan di “Project” lalu klik menu “Build” atau “Rebuild”



### 2.3.2. Klik kanan di “Project” lalu klik menu “Build Solution” atau “Rebuild Solution”



### 2.3.3. Klik Menu “Debug > Start without Debugging”

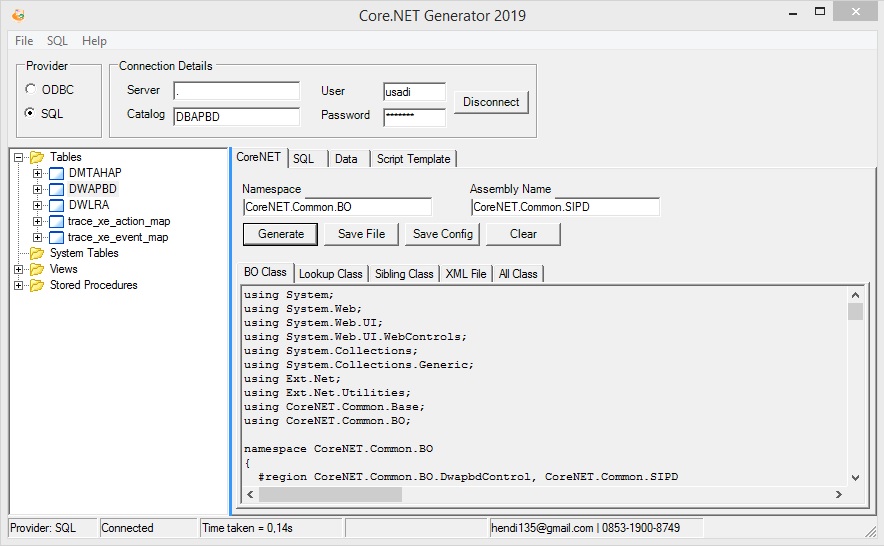


# Bab 3 Tutorial 1 : Membuat dan Menambah Menu

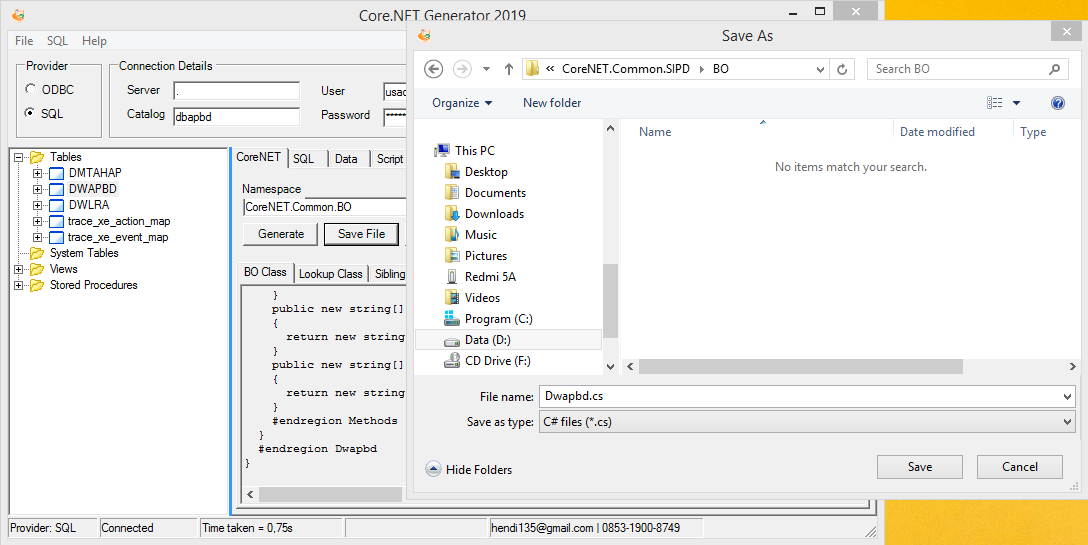
Untuk membuat dan menambah menu, lakukan langkah – langkah berikut ini:

## 3.1 Membuat BO (*Bussiness Object*) Class File

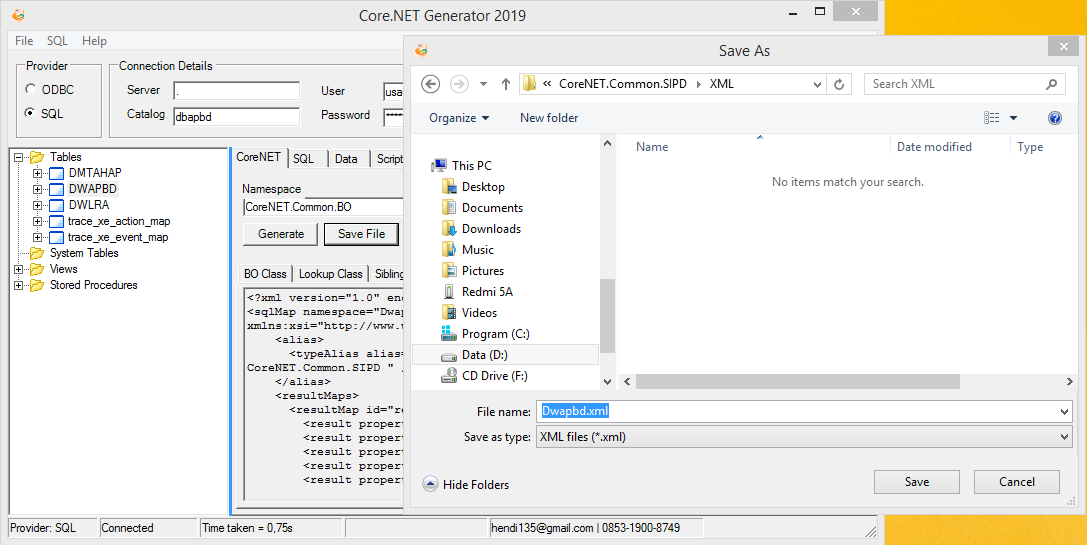
1. Jalankan *tool* **CoreNET Generator** (lihat lampiran C)
2. *Generate* BO (*Bussiness Object*) *Class File* dari tabel “**DWAPBD**”



1. Simpan File “**Dwapbd.cs**” ke folder “**CoreNET.Common.SIPD\BO**"



1. Simpan File “**Dwapbd.xml**” ke folder “**CoreNET.Common.SIPD\XML**"



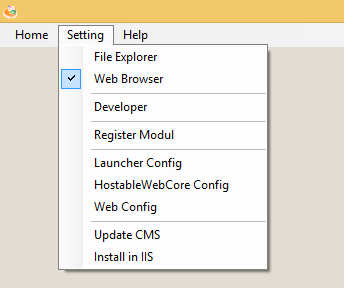
1. Kli tombol “**Show All Files**” untuk menampilkan file “**Dwapbd.cs**” dan “**Dwapbd.xml**” yang baru dibuat
2. Tambahkan file “**Dwapbd.cs”** dan “**Dwapbd.xml**” ke dalam project dengan cara mengklik kedua file, klik kanan lalu pilih menu “**Include** ”
3. Untuk semua file XML, pilih file XML, klik kanan pilih menu Properties untuk menampilkan jendela “Properties”. Lalu ubah nilai “Build Action” menjadi “Embedded Resource”

## 3.2 Meng-Compile/Build Project Library dan Setting File Konfigurasi

1. Pilih mode pada Configuration Manager, apakah mode “**Debug**” atau “**Release**”
2. Build/rebuild project menjadi file library “**CoreNET.Common.SIPD.dll**”
3. Jika mode “Debug”, file dll akan terbentuk di folder “bin/Debug”. Jika mode “release”, file dll akan terbentuk di folder “bin/Release”
4. Copykan file dll ke folder “WebCMS/bin” yang ada di folder “published” dari folder CoreNET
5. Tambahkan register semua file XML yang telah menjadi embedded resource di file “**CoreNET.Common.SIPD.dll**”

## 3.3 Menambahkan dan Mengkonfigurasi Menu

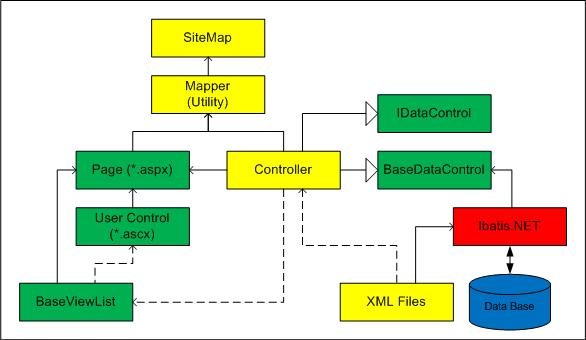
1. Masuklah ke **Modul Developer** dengan mengklik menu “**Developer**”



1. Buka Menu Register Menu. Klik tombol “Tambah” untuk menambah struktur menu
2. dsfdsf

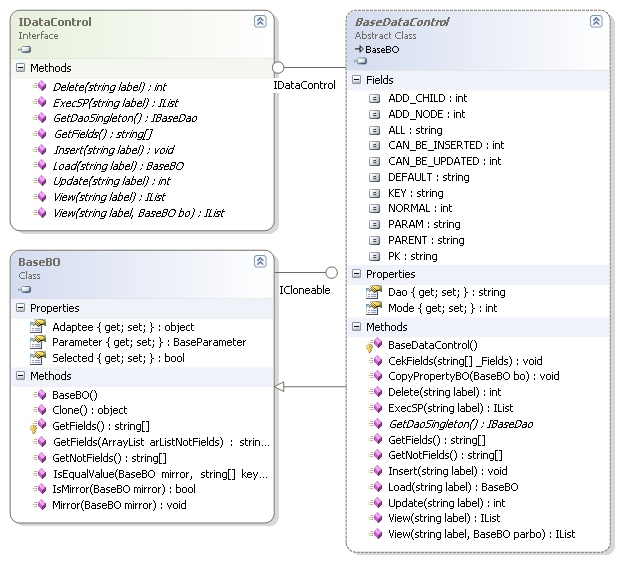
## 3.4 Menambahkan Mapping Menu di Modul Developer

## 3.5 Troubleshooting



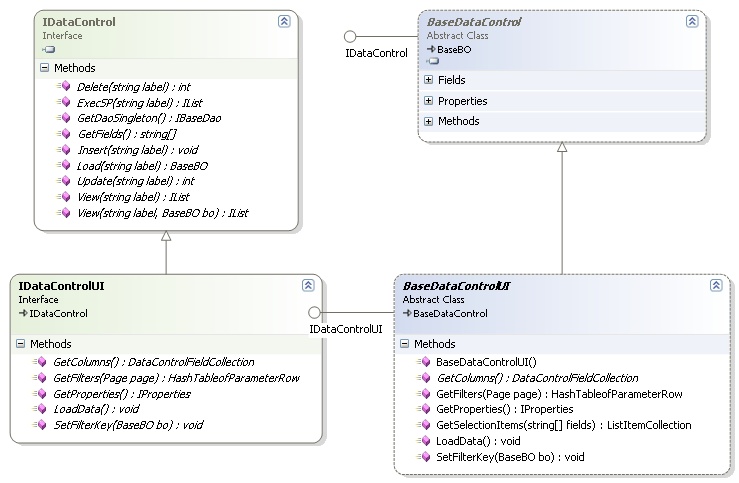
# Lampiran A CoreNET Framework – Class Diagram

## A.1 CoreNET.Common.Lib



## A.2 CoreNET.Common.Data

## A.3 CoreNET.Common.UI



## A.4 CoreNET.Common.Ext

# Lampiran B CoreNET Framework – Documentation

## B.1 CoreNET.Common.Lib

### B.1.1 CoreNET.Common.Base

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Class | BaseBO |  |
| 2 | Class | BaseDataAdapter |  |
| 3 | Class | GlobalData |  |
| 4 | Class | GlobalLib |  |
| 5 | Class | MasterAppConstants |  |
| 6 | Class | MyDocumentFormat |  |
| 7 | Class | SoftwareBit2 |  |
| 8 | Class | SQLDataSource |  |
| 9 | Class | UtilityBO |  |
| 10 | Class | UtilityLib |  |
| 11 | Interface | ICsv |  |
| 12 | Interface | IDashboard |  |
| 13 | Interface | IDataControl |  |
| 14 | Interface | IDataControlApp |  |
| 15 | Interface | IDataControlAppuser |  |
| 16 | Interface | IDataControlDictionary |  |
| 17 | Interface | IDataControlMenuMapClass |  |
| 18 | Interface | IDataControlText |  |
| 19 | Interface | ILoadCsv |  |
| 20 | Interface | ITable |  |

#### B.1.1.1 BaseBO

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **Type** | **Nama** | **Ket** |
| 1 | Method | BaseBO() |  |
| 2 | Method | CekFields(string[]) |  |
| 3 | Method | ChangeModePreviewIndex() |  |
| 4 | Method | Clone(CoreNET.Common.Base.IDataControl) |  |
| 5 | Method | Clone1() |  |
| 6 | Method | Clone2<BaseBO>(BaseBO) |  |
| 7 | Method | CopyPropertyBO(CoreNET.Common.Base.BaseBO) |  |
| 8 | Method | CopyPropertyBOFrom(CoreNET.Common.Base.BaseBO) |  |
| 9 | Method | CopyPropertyBOFrom(CoreNET.Common.Base.BaseBO, string[]) |  |
| 10 | Method | Create(string) |  |
| 11 | Method | GetFields() |  |
| 12 | Method | GetFields(System.Collections.ArrayList) |  |
| 13 | Method | GetFieldsString() |  |
| 14 | Method | GetMaxModePreviewIndex() |  |
| 15 | Method | GetModePreviewIndex() |  |
| 16 | Method | GetNotFields() |  |
| 17 | Method | GetProgressicon(decimal) |  |
| 18 | Method | GetProperty(string) |  |
| 19 | Method | GetStaticDefaultDebug(CoreNET.Common.Base.BaseBO) |  |
| 20 | Method | GetValue(string) |  |
| 21 | Method | IsEqualValue(CoreNET.Common.Base.BaseBO, string[]) |  |
| 22 | Method | IsMirror(CoreNET.Common.Base.BaseBO) |  |
| 23 | Method | Mirror(CoreNET.Common.Base.BaseBO, bool) |  |
| 24 | Method | Mirror(CoreNET.Common.Base.BaseBO) |  |
| 25 | Method | MirrorTo(CoreNET.Common.Base.BaseBO) |  |
| 26 | Method | ParentKode(string) |  |
| 27 | Method | SetDefaultDate(int, int, int) |  |
| 28 | Method | SetDefaultDate(int) |  |
| 29 | Method | SetDefaultDateStrict(int, int, int) |  |
| 30 | Method | SetLevelType(string) |  |
| 31 | Method | SetMaxModePreviewIndex(int) |  |
| 32 | Method | SetPageKey() |  |
| 33 | Method | SetPrimaryKey() |  |
| 34 | Method | SetValue(string, object) |  |
| 35 | Property | Adaptee |  |
| 36 | Property | AllowSuperUser |  |
| 37 | Property | App\_by |  |
| 38 | Property | App\_date |  |
| 39 | Property | Bulan |  |
| 40 | Property | ConnectionString |  |
| 41 | Property | Cre\_by |  |
| 42 | Property | Cre\_date |  |
| 43 | Property | DBName |  |
| 44 | Property | Debug |  |
| 45 | Property | Editable |  |
| 46 | Property | EnableFilter |  |
| 47 | Property | ForceOtentikasi |  |
| 48 | Property | Forum |  |
| 49 | Property | GrandTotal |  |
| 50 | Property | Hal |  |
| 51 | Property | Help |  |
| 52 | Property | Html |  |
| 53 | Property | Idapp |  |
| 54 | Property | Iduser |  |
| 55 | Property | Index |  |
| 56 | Property | IsTesting |  |
| 57 | Property | Kdlevel |  |
| 58 | Property | Ket |  |
| 59 | Property | Last\_by |  |
| 60 | Property | Last\_date |  |
| 61 | Property | MaxModePreviewIndex |  |
| 62 | Property | Message |  |
| 63 | Property | Mod\_by |  |
| 64 | Property | Mod\_date |  |
| 65 | Property | ModeDB |  |
| 66 | Property | ModePage |  |
| 67 | Property | ModePreviewIndex |  |
| 68 | Property | Msg |  |
| 69 | Property | Nchild |  |
| 70 | Property | Nfiles |  |
| 71 | Property | Ngroup |  |
| 72 | Property | Nmsgs |  |
| 73 | Property | No |  |
| 74 | Property | Nourut |  |
| 75 | Property | Path |  |
| 76 | Property | Progress |  |
| 77 | Property | Progressicon |  |
| 78 | Property | Progressstr |  |
| 79 | Property | Rating |  |
| 80 | Property | Rev\_by |  |
| 81 | Property | Rev\_date |  |
| 82 | Property | Row |  |
| 83 | Property | RowCount |  |
| 84 | Property | Selected |  |
| 85 | Property | Sign\_by |  |
| 86 | Property | Sign\_date |  |
| 87 | Property | Sinkron |  |
| 88 | Property | Status |  |
| 89 | Property | Status2 |  |
| 90 | Property | Statusicon |  |
| 91 | Property | Statusicon2 |  |
| 92 | Property | Statusname |  |
| 93 | Property | Statusname2 |  |
| 94 | Property | Stricon |  |
| 95 | Property | Tahun |  |
| 96 | Property | Tgl1 |  |
| 97 | Property | Tgl2 |  |
| 98 | Property | Type |  |
| 99 | Property | UniqueID |  |
| 100 | Property | Url |  |
| 101 | Property | Userid |  |
| 102 | Property | Valid |  |
| 103 | Property | XMLName |  |
| 104 | Property | YearEndDate |  |
| 105 | Property | YearStartDate |  |
| 106 | Field | ClientCompIP |  |
| 107 | Field | ClientCompName |  |
| 108 | Field | ClientUserID |  |
| 109 | Field | \_Debug |  |
| 110 | Constanta | ADD\_CHILD |  |
| 111 | Constanta | ADD\_NODE |  |
| 112 | Constanta | ALL |  |
| 113 | Constanta | CAN\_BE\_INSERTED |  |
| 114 | Constanta | CAN\_BE\_UPDATED |  |
| 115 | Constanta | COMMENT |  |
| 116 | Constanta | DEFAULT |  |
| 117 | Constanta | DELETE |  |
| 118 | Constanta | DETIL |  |
| 119 | Constanta | DISTINCT |  |
| 120 | Constanta | FILTER |  |
| 121 | Constanta | ID |  |
| 122 | Constanta | INSERT |  |
| 123 | Constanta | JURNAL |  |
| 124 | Constanta | KEY |  |
| 125 | Constanta | LAST |  |
| 126 | Constanta | LIST |  |
| 127 | Constanta | LOGIN |  |
| 128 | Constanta | LOOKUP |  |
| 129 | Constanta | LOOKUP\_FOR\_SELF |  |
| 130 | Constanta | NORMAL |  |
| 131 | Constanta | NOURUT |  |
| 132 | Constanta | PARAM |  |
| 133 | Constanta | PARENT |  |
| 134 | Constanta | PK |  |
| 135 | Constanta | RANGE |  |
| 136 | Constanta | RANGE\_3MONTHS |  |
| 137 | Constanta | RANGE\_6MONTHS |  |
| 138 | Constanta | RANGE\_DAY |  |
| 139 | Constanta | RANGE\_MONTH |  |
| 140 | Constanta | RANGE\_YEAR |  |
| 141 | Constanta | REG |  |
| 142 | Constanta | REPORT |  |
| 143 | Constanta | STATUS |  |
| 144 | Constanta | SYSTEM\_ERR\_CANT\_INSERT\_DUPLICATE |  |
| 145 | Constanta | SYSTEM\_ERR\_CHILDREN\_STILL\_EXIST |  |
| 146 | Constanta | SYSTEM\_ERR\_CONVERT\_NUM\_TO\_MONEY |  |
| 147 | Constanta | TOTAL |  |
| 148 | Constanta | TYPE |  |
| 149 | Constanta | UNION |  |
| 150 | Constanta | USER |  |

#### B.1.1.2 BaseDataAdapter

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | BaseDataAdapter() |  |
| 2 | Method | Dispose() |  |
| 3 | Method | ExecuteCmd(string, string) |  |
| 4 | Method | ExecuteCmd(CoreNET.Common.Base.IDataControl, string) |  |
| 5 | Method | GetListDC(CoreNET.Common.Base.IDataControl, string, string[]) |  |
| 6 | Method | GetListDC(CoreNET.Common.Base.IDataControl, string) |  |
| 7 | Method | GetListObject(CoreNET.Common.Base.BaseBO, string, string[]) |  |
| 8 | Method | GetListTreeDC(CoreNET.Common.Base.IDataControl, string, string, string[]) |  |
| 9 | Method | GetListTreeDC(CoreNET.Common.Base.IDataControl, string, string) |  |
| 10 | Method | GetNullValue(System.Reflection.PropertyInfo, object) |  |
| 11 | Const | MODE\_SQLCE |  |
| 12 | Const | MODE\_SQLSERVER |  |

#### B.1.1.3 GlobalData

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | GlobalData() |  |
| 2 | Property | DataSource |  |
| 3 | Property | DataSourceDM |  |
| 4 | Property | DataSourceLog |  |
| 5 | Property | DataSourceOP |  |
| 6 | Property | DataSourceOP2 |  |
| 7 | Property | DataSourceSys |  |

#### B.1.1.4 GlobalLib

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | GlobalLib() |  |
| 2 | Method | Encrypt(string) |  |
| 3 | Method | GetPublishedKey() |  |
| 4 | Method | PublicEncrypt(string) |  |
| 5 | Property | PublicKey |  |

#### B.1.1.5 MasterAppConstants

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Method | SetValue(int, object) |  |
| 2 | Property | AppDC |  |
| 3 | Property | AppID |  |
| 4 | Property | AppTitle |  |
| 5 | Property | ClassDC |  |
| 6 | Property | DictionaryDC |  |
| 7 | Property | GroupDC |  |
| 8 | Property | IdappProperty |  |
| 9 | Property | Instance |  |
| 10 | Property | LimitLoad |  |
| 11 | Property | LogException |  |
| 12 | Property | LookupClassDC |  |
| 13 | Property | MasterAppID |  |
| 14 | Property | MenuDC |  |
| 15 | Property | NmappProperty |  |
| 16 | Property | Param |  |
| 17 | Property | ShowContextMenu |  |
| 18 | Property | ShowTranslatedLabel |  |
| 19 | Property | StatusAdmin |  |
| 20 | Property | StatusServer |  |
| 21 | Property | StatusTesting |  |
| 22 | Property | URLBase |  |
| 23 | Property | UserDC |  |
| 24 | Const | APPDC |  |
| 25 | Const | APPID |  |
| 26 | Const | APPIDREF |  |
| 27 | Const | APPTITLE |  |
| 28 | Const | CLASSDC |  |
| 29 | Const | DEFAULT\_DICTIONARY\_DC |  |
| 30 | Const | DEFAULT\_MASTERAPP\_ID |  |
| 31 | Const | DICTIONARYDC |  |
| 32 | Const | GROUPDC |  |
| 33 | Const | IDAPP\_PROPERTY |  |
| 34 | Const | LOOKUPCLASSDC |  |
| 35 | Const | MASTERAPPID |  |
| 36 | Const | MENUDC |  |
| 37 | Const | NMAPP\_PROPERTY |  |
| 38 | Const | STR\_ADMIN |  |
| 39 | Const | STR\_DEVELOPER |  |
| 40 | Const | STR\_TESTER |  |
| 41 | Const | STR\_USER |  |
| 42 | Const | URLBASE |  |
| 43 | Const | USERDC |  |

#### B.1.1.6 MyDocumentFormat

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | MyDocumentFormat() |  |
| 2 | Const | CSV |  |
| 3 | Const | DOC |  |

#### B.1.1.7 SoftwareBit2

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | SoftwareBit2() |  |
| 2 | Construct | SoftwareBit2(System.Runtime.Serialization.SerializationInfo, System.Runtime.Serialization.StreamingContext) |  |
| 3 | Method | En() |  |
| 4 | Method | GetObjectData(System.Runtime.Serialization.SerializationInfo, System.Runtime.Serialization.StreamingContext) |  |
| 5 | Method | LoadLog(string) |  |
| 6 | Method | ReadObject(string) |  |
| 7 | Method | SaveLogo(string) |  |
| 8 | Method | SaveObject(string) |  |
| 9 | Property | AppTitle |  |
| 10 | Property | ExpiredDuration |  |
| 11 | Property | Idapp |  |
| 12 | Property | IdappProperty |  |
| 13 | Property | Logo |  |
| 14 | Property | MenuDC |  |
| 15 | Property | NamaUnit |  |
| 16 | Property | NmappProperty |  |

#### B.1.1.8 SQLDataSource

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | SQLDataSource() |  |
| 2 | Method | CekAllowedServer() |  |
| 3 | Method | GetOpDB(string) |  |
| 4 | Method | GetPwdDB() |  |
| 5 | Method | GetSQLConnection(int) |  |
| 6 | Method | GetSQLInstance() |  |
| 7 | Method | GetUserDB() |  |
| 8 | Method | SetConnectionString(string) |  |
| 9 | Method | SetDataSource(System.Collections.Hashtable) |  |
| 10 | Method | SetDataSourceConfig(string) |  |
| 11 | Method | SetDataSourceLog(string) |  |
| 12 | Property | CS\_Config |  |
| 13 | Property | CS\_DM |  |
| 14 | Property | CS\_Log |  |
| 15 | Property | CS\_Operational |  |
| 16 | Property | CS\_Operational2 |  |
| 17 | Property | Instance |  |
| 18 | Const | MODE\_DB\_CONFIG |  |
| 19 | Const | MODE\_DB\_DM |  |
| 20 | Const | MODE\_DB\_LOG |  |
| 21 | Const | MODE\_DB\_OPERATIONAL |  |
| 22 | Const | MODE\_DB\_OPERATIONAL2 |  |

#### B.1.1.9 UtilityBO

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | UtilityBO() |  |
| 2 | Method | CopyFields(CoreNET.Common.Base.IDataControl, CoreNET.Common.Base.IDataControl) |  |
| 3 | Method | Create(string) |  |
| 4 | Method | FindNearestMatch(System.Collections.ICollection, string) |  |
| 5 | Method | GenerateCSV(System.Collections.IList, string, string[]) |  |
| 6 | Method | GeneratePwdSIKD(string) |  |
| 7 | Method | GetBaseClassLibName(object) |  |
| 8 | Method | GetClassLibName(System.Type) |  |
| 9 | Method | GetClassLibName(object) |  |
| 10 | Method | GetCPUID() |  |
| 11 | Method | GetCurrentMethod(int) |  |
| 12 | Method | GetCurrentMethod() |  |
| 13 | Method | GetDefault(System.Type) |  |
| 14 | Method | GetDiskID() |  |
| 15 | Method | GetDotNetHash(string, int) |  |
| 16 | Method | GetInitkey(string) |  |
| 17 | Method | GetMACAddress() |  |
| 18 | Method | GetMD5HexStringForStorePwd(string) |  |
| 19 | Method | GetMD5HexStringOld(string, int) |  |
| 20 | Method | GetMethodsInfo() |  |
| 21 | Method | GetParentCode(string) |  |
| 22 | Method | GetPwd(string) |  |
| 23 | Method | GetPwdDb(string, string) |  |
| 24 | Method | GetPwdMD5ResponseOnly(string) |  |
| 25 | Method | GetRandomPassword(string) |  |
| 26 | Method | GetStackMethod(int, long) |  |
| 27 | Method | IntToStr(long, int) |  |
| 28 | Method | LoadDataControl(string, string) |  |
| 29 | Method | Log(CoreNET.Common.Base.IDataControl, string, string, System.Exception) |  |
| 30 | Method | Log(CoreNET.Common.Base.IDataControl, System.Exception) |  |
| 31 | Method | Log(System.Exception) |  |
| 32 | Method | SetDate(int, int, int, out System.DateTime, out System.DateTime) |  |
| 33 | Method | SetDate(int, int, out System.DateTime, out System.DateTime) |  |
| 34 | Method | SetNull(object) |  |
| 35 | Method | SetValueForProperty(object, string, string) |  |
| 36 | Method | SetValueForProperty(object, string, object) |  |
| 37 | Field | Path |  |
| 38 | Const | FILE\_SBT |  |
| 39 | Const | GROUP\_ADMINISTRATOR |  |

#### B.1.1.10 UtilityLib

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | UtilityLib() |  |
| 2 | Method | Encode(string) |  |
| 3 | Method | GetTriwulan(int) |  |

#### B.1.1.11 Icsv

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Method | GetCsvColumns(int) |  |
| 2 | Method | GetList(int, int) |  |

#### B.1.1.12 Idashboard

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Method | GetRows1() |  |
| 2 | Method | GetRows2() |  |
| 3 | Method | GetRows3() |  |
| 4 | Method | GetRows4() |  |
| 5 | Method | GetRows5() |  |

#### B.1.1.13 IDataControl

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Method | Delete(string) |  |
| 2 | Method | Delete() |  |
| 3 | Method | GetFields() |  |
| 4 | Method | GetKeys() |  |
| 5 | Method | GetProperty(string) |  |
| 6 | Method | GetValue(string) |  |
| 7 | Method | Insert() |  |
| 8 | Method | Load() |  |
| 9 | Method | SetPageKey() |  |
| 10 | Method | SetPrimaryKey() |  |
| 11 | Method | SetValue(string, object) |  |
| 12 | Method | Update(string) |  |
| 13 | Method | Update() |  |
| 14 | Method | View(string) |  |
| 15 | Method | View() |  |

#### B.1.1.14 IDataControlApp

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Method | GetAppParam(string) |  |
| 2 | Method | ResetParams(string) |  |

#### B.1.1.15 IDataControlAppuser

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Method | GetGroupingDataID() |  |
| 2 | Method | GetUserDebugInfo() |  |
| 3 | Method | GetUserID() |  |
| 4 | Method | GetUserPwd() |  |
| 5 | Method | GetUserType() |  |
| 6 | Method | GetValueProperty(string) |  |
| 7 | Method | IsAdmin() |  |
| 8 | Method | IsEnableLookup() |  |
| 9 | Method | IsVisibleLookup() |  |
| 10 | Method | SetUserID(string, string) |  |
| 11 | Method | SetUserOL(string, string) |  |
| 12 | Method | SetValueProperty(string, object) |  |
| 13 | Method | UpdatePwd(string) |  |

#### B.1.1.16 IDataControlDictionary

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Method | GetENWord() |  |
| 2 | Method | GetGEWord() |  |
| 3 | Method | GetIDWord() |  |
| 4 | Method | GetKeyword() |  |
| 5 | Method | InsertKeyword(string, string) |  |

#### B.1.1.17 IDataControlMenuMapClass

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Method | GetLookupOList1() |  |
| 2 | Method | GetLookupOListDetil1() |  |
| 3 | Method | GetLookupOListDetil2() |  |
| 4 | Method | GetLookupOListDetil3() |  |
| 5 | Method | GetLookupOListDetil4() |  |
| 6 | Method | GetOList1() |  |
| 7 | Method | GetOListDetil1() |  |
| 8 | Method | GetOListDetil2() |  |
| 9 | Method | GetOListDetil3() |  |
| 10 | Method | GetOListDetil4() |  |
| 11 | Method | LoadByRoleID(string) |  |
| 12 | Method | LoadLookupByRoleID(string) |  |

#### B.1.1.18 IDataControlText

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Method | GetText(int) |  |

#### B.1.1.19 ILoadCsv

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Method | ExecutedPostSQL(string, bool, string) |  |
| 2 | Method | ExecutedPreSQL(string, bool) |  |
| 3 | Method | ExecutedSQL(string, System.Data.DataTable, int, bool) |  |
| 4 | Method | GetLoadCsvColumns() |  |

#### B.1.1.20 ITable

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Method | GetTableName() |  |

### B.1.2 CoreNET.Common.BO

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Class | DashboardDataObject |  |
| 2 | Class | DashboardTableObject |  |
| 3 | Class | DataHelper |  |
| 4 | Class | ParamControl |  |
| 5 | Class | PropertyMapControl |  |

#### B.1.2.1 DashboardDataObject

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | DashboardDataObject(bool) |  |
| 2 | Method | SetURL(string) |  |
| 3 | Property | EnableURL |  |
| 4 | Property | Percent |  |
| 5 | Property | Percentstr |  |
| 6 | Property | Subtitle |  |
| 7 | Property | Title |  |
| 8 | Property | URL |  |
| 9 | Property | Value |  |
| 10 | Const | OnClickTemplate |  |

#### B.1.2.1 DashboardTableObject

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | DashboardTableObject() |  |
| 2 | Field | Columns |  |
| 3 | Field | Data |  |
| 4 | Field | Title |  |
| 5 | Field | URL |  |
| 6 | Field | URLTitle |  |

#### B.1.2.1 DataHelper

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | DataHelper() |  |
| 2 | Method | GetBar(int, int) |  |
| 3 | Method | GetBar120(int) |  |
| 4 | Method | GetBar160(int) |  |
| 5 | Method | GetMD12Row(CoreNET.Common.BO.DashboardDataObject, CoreNET.Common.BO.DashboardDataObject, CoreNET.Common.BO.DashboardDataObject, CoreNET.Common.BO.DashboardDataObject) |  |
| 6 | Method | GetMD4Row(CoreNET.Common.BO.DashboardDataObject, CoreNET.Common.BO.DashboardDataObject, CoreNET.Common.BO.DashboardDataObject) |  |
| 7 | Method | GetRowHeader(string, System.Collections.Generic.Dictionary<string,string>, System.Collections.Generic.Dictionary<string,string>) |  |
| 8 | Method | GetRows3Template() |  |
| 9 | Method | GetRows4Template() |  |
| 10 | Method | GetTemplateMD12Row() |  |
| 11 | Method | GetTemplateMD4Row() |  |
| 12 | Method | GetTemplateMD4Table(CoreNET.Common.BO.DashboardTableObject) |  |
| 13 | Method | GetTemplateMD4Tables(CoreNET.Common.BO.DashboardTableObject, CoreNET.Common.BO.DashboardTableObject, CoreNET.Common.BO.DashboardTableObject) |  |
| 14 | Method | GetTemplateRows1() |  |
| 15 | Field | Datas |  |
| 16 | Field | Percents |  |
| 17 | Field | Titles |  |
| 18 | Field | URLs |  |
| 19 | Const | ROW\_1 |  |
| 20 | Const | ROW\_2 |  |
| 21 | Const | ROW\_3 |  |
| 22 | Const | ROW\_4 |  |
| 23 | Const | ROW\_5 |  |
| 24 | Const | ROW\_6 |  |
| 25 | Const | ROW\_HEADER |  |

#### B.1.2.1 ParamControl

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | ParamControl() |  |
| 2 | Property | Kdpar |  |
| 3 | Property | Nmpar |  |

#### B.1.2.1 PropertyMapControl

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | PropertyMapControl() |  |
| 2 | Method | GetColumnName() |  |
| 3 | Property | Propmap |  |
| 4 | Property | Propname |  |
| 5 | Property | Value |  |

## B.2 CoreNET.Common.Data

### B.2.1 CoreNET.Common.Base

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Class | BaseContextDao |  |
| 2 | Class | BaseDataControl |  |
| 3 | Class | ConstantDict |  |
| 4 | Class | EN\_Dictionary |  |
| 5 | Class | GE\_Dictionary |  |
| 6 | Class | ID\_Dictionary |  |
| 7 | Class | LocalSqlMap |  |
| 8 | Class | MyDaoManager |  |
| 9 | Interface | IBaseDao |  |

#### B.2.1.1 BaseContextDao

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | BaseContextDao() |  |
| 2 | Method | DeleteBy(string, CoreNET.Common.Base.BaseBO, int) |  |
| 3 | Method | ExecSP(string, CoreNET.Common.Base.BaseBO, int) |  |
| 4 | Method | GetClassName(object) |  |
| 5 | Method | GetTableName() |  |
| 6 | Method | Insert(string, CoreNET.Common.Base.BaseBO, int) |  |
| 7 | Method | LoadBy(string, CoreNET.Common.Base.BaseBO, int) |  |
| 8 | Method | QueryBy(string, CoreNET.Common.Base.BaseBO, int) |  |
| 9 | Method | UpdateBy(string, CoreNET.Common.Base.BaseBO, int) |  |
| 10 | Property | TableName |  |
| 11 | Const | DEFAULT |  |
| 12 | Const | PREFIX\_DELETE |  |
| 13 | Const | PREFIX\_EXEC |  |
| 14 | Const | PREFIX\_INSERT |  |
| 15 | Const | PREFIX\_LOAD |  |
| 16 | Const | PREFIX\_QUERY |  |
| 17 | Const | PREFIX\_UPDATE |  |
| 18 | Const | SYSTEM\_ERR\_CANT\_INSERT\_DUPLICATE |  |
| 19 | Const | SYSTEM\_ERR\_CHILDREN\_STILL\_EXIST |  |
| 20 | Const | SYSTEM\_ERR\_CONVERT\_NUM\_TO\_MONEY |  |

#### B.2.1.2 BaseDataControl

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | BaseDataControl() |  |
| 2 | Method | ClearDataControl(CoreNET.Common.Base.IDataControl) |  |
| 3 | Method | CopyPropertyBOTo(CoreNET.Common.Base.IDataControl) |  |
| 4 | Method | Delete() |  |
| 5 | Method | Delete(string) |  |
| 6 | Method | ExecSP(string) |  |
| 7 | Method | ExecutedPostSQL(string, bool, string) |  |
| 8 | Method | ExecutedPreSQL(string, bool) |  |
| 9 | Method | ExecutedSQL(CoreNET.Common.Base.IDataControl, string, System.Data.DataTable, int, bool) |  |
| 10 | Method | ExecutedSQL(string, System.Data.DataTable, int, bool) |  |
| 11 | Method | GetDaoSingleton() |  |
| 12 | Method | GetKeys() |  |
| 13 | Method | GetList(CoreNET.Common.Base.IDataControl, string) |  |
| 14 | Method | GetList(CoreNET.Common.Base.IDataControl) |  |
| 15 | Method | GetReadOnlyFields(int) |  |
| 16 | Method | GetRowCount() |  |
| 17 | Method | GetTableName() |  |
| 18 | Method | GetTotal(string, CoreNET.Common.Base.IDataControl, string) |  |
| 19 | Method | Insert() |  |
| 20 | Method | Insert(string) |  |
| 21 | Method | Load(string) |  |
| 22 | Method | Load() |  |
| 23 | Method | ReadDataTable(System.Data.DataTable, int) |  |
| 24 | Method | Update() |  |
| 25 | Method | Update(string) |  |
| 26 | Method | View(string) |  |
| 27 | Method | View() |  |

#### B.2.1.3 ConstantDict

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | ConstantDict() |  |
| 2 | Method | GetColumnTitle(string, string) |  |
| 3 | Method | GetColumnTitle(string) |  |
| 4 | Method | GetColumnTitleEntry(string) |  |
| 5 | Method | GetMsg(string) |  |
| 6 | Method | SetInstanceNullForReloadDict() |  |
| 7 | Method | SetLocale(string) |  |
| 8 | Method | Translate(string) |  |
| 9 | Field | IDLOCALE |  |
| 10 | Const | ADD |  |
| 11 | Const | DELETE |  |
| 12 | Const | EDIT |  |
| 13 | Const | EN |  |
| 14 | Const | GE |  |
| 15 | Const | ID |  |
| 16 | Const | SPACE |  |
| 17 | Const | VIEW |  |

#### B.2.1.4 EN\_Dictionary

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | EN\_Dictionary() |  |

#### B.2.1.5 GE\_Dictionary

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | GE\_Dictionary() |  |

#### B.2.1.6 ID\_Dictionary

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | ID\_Dictionary() |  |

#### B.2.1.7 LocalSqlMap

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | LocalSqlMap() |  |
| 2 | Method | GetContext(IBatisNet.DataAccess.Interfaces.IDao) |  |
| 3 | Method | GetLocalSqlMap(IBatisNet.DataAccess.Interfaces.IDao, int, CoreNET.Common.Base.BaseBO) |  |

#### B.2.1.8 MyDaoManager

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | MyDaoManager() |  |
| 2 | Method | GetDao(System.Type, int, CoreNET.Common.Base.BaseBO) |  |
| 3 | Method | GetDataSource(IBatisNet.Common.IDataSource, int, CoreNET.Common.Base.BaseBO) |  |
| 4 | Property | Instance |  |

#### B.2.1.9 IBaseDao

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Method | DeleteBy(string, CoreNET.Common.Base.BaseBO, int) |  |
| 2 | Method | ExecSP(string, CoreNET.Common.Base.BaseBO, int) |  |
| 3 | Method | Insert(string, CoreNET.Common.Base.BaseBO, int) |  |
| 4 | Method | LoadBy(string, CoreNET.Common.Base.BaseBO, int) |  |
| 5 | Method | QueryBy(string, CoreNET.Common.Base.BaseBO, int) |  |
| 6 | Method | UpdateBy(string, CoreNET.Common.Base.BaseBO, int) |  |

### B.2.2 CoreNET.Common.BO

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Class | DmbulanControl |  |
| 2 | Class | DmbulanLookupControl |  |
| 3 | Class | DmlevelControl |  |
| 4 | Class | DmlevelLookupControl |  |
| 5 | Class | DmstatusControl |  |
| 6 | Class | DmstatusLookupControl |  |
| 7 | Class | DmtahunControl |  |
| 8 | Class | DmtahunLookupControl |  |
| 9 | Class | EventControl |  |
| 10 | Class | LogUtilsBase |  |
| 11 | Class | NotesControl |  |
| 12 | Class | SsappconfigControl |  |
| 13 | Class | SsappconfigLookupControl |  |
| 14 | Class | SsappControl |  |
| 15 | Class | SsappLookupControl |  |
| 16 | Class | SsappmenuControl |  |
| 17 | Class | SsappmenuLookupControl |  |
| 18 | Class | SsuserControl |  |
| 19 | Class | SysObjects |  |
| 20 | Class | SysObjectsDao |  |
| 21 | Interface | ISysObjectsDao |  |

#### B.2.2.1 DmbulanControl

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | DmbulanControl() |  |
| 2 | Method | AfterDelete() |  |
| 3 | Method | AfterInsert() |  |
| 4 | Method | AfterUpdate() |  |
| 5 | Method | FilterClick(string) |  |
| 6 | Method | GetDestinationFile(string) |  |
| 7 | Method | GetURLFile(string, string) |  |
| 8 | Method | SetFilterKey(CoreNET.Common.Base.BaseBO) |  |
| 9 | Method | ValidateTotal() |  |
| 10 | Method | View(string) |  |
| 11 | Method | View() |  |
| 12 | Property | Kdbulan |  |
| 13 | Property | Nmbulan |  |

#### B.2.2.2 DmbulanLookupControl

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | DmbulanLookupControl() |  |
| 2 | Method | FindAndSetValuesInto(CoreNET.Common.Base.IDataControl) |  |
| 3 | Method | GetFieldValueMap() |  |
| 4 | Method | GetFieldValueProps() |  |
| 5 | Method | GetListDataSingleton() |  |
| 6 | Method | SetListDataNull() |  |

#### B.2.2.3 DmlevelControl

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | DmlevelControl() |  |
| 2 | Method | DmlevelControl(CoreNET.Common.Base.BaseBO) |  |
| 3 | Method | AfterDelete() |  |
| 4 | Method | AfterInsert() |  |
| 5 | Method | AfterUpdate() |  |
| 6 | Method | FilterClick(string) |  |
| 7 | Method | GetDestinationFile(string) |  |
| 8 | Method | GetURLFile(string, string) |  |
| 9 | Method | ValidateTotal() |  |
| 10 | Method | View(string) |  |
| 11 | Method | View() |  |
| 12 | Property | Isroot |  |
| 13 | Property | Nmlevel |  |
| 14 | Property | Tablename |  |

#### B.2.2.4 DmlevelLookupControl

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | DmlevelLookupControl() |  |
| 2 | Method | FindAndSetValuesInto(CoreNET.Common.BO.DmlevelControl) |  |
| 3 | Method | GetData(string) |  |
| 4 | Method | GetFieldValueMap() |  |
| 5 | Method | GetFieldValueProps() |  |
| 6 | Method | GetListDataSingleton() |  |
| 7 | Method | SetListDataNull() |  |

#### B.2.2.5 DmstatusControl

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | DmstatusControl() |  |
| 2 | Method | AfterDelete() |  |
| 3 | Method | AfterInsert() |  |
| 4 | Method | AfterUpdate() |  |
| 5 | Method | FilterClick(string) |  |
| 6 | Method | GetDestinationFile(string) |  |
| 7 | Method | GetScript() |  |
| 8 | Method | GetURLFile(string, string) |  |
| 9 | Method | SetFilterKey(CoreNET.Common.Base.BaseBO) |  |
| 10 | Method | ValidateTotal() |  |
| 11 | Method | View(string) |  |
| 12 | Method | View() |  |
| 13 | Property | Idstatus |  |
| 14 | Property | Ketstatus |  |
| 15 | Property | Nmstatus |  |
| 16 | Const | APPROVED |  |
| 17 | Const | CANCEL |  |
| 18 | Const | CREATED |  |
| 19 | Const | REVIEWED |  |
| 20 | Const | SIGNEDOFF |  |
| 21 | Const | VALID |  |

#### B.2.2.6 DmstatusLookupControl

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | DmstatusLookupControl() |  |
| 2 | Method | FindAndSetValuesInto(CoreNET.Common.Base.IDataControl) |  |
| 3 | Method | GetFieldValueMap() |  |
| 4 | Method | GetFieldValueProps() |  |
| 5 | Method | GetListDataSingleton(string) |  |
| 6 | Method | GetListDataSingleton() |  |
| 7 | Method | SetListDataNull() |  |
| 8 | Property | Instance |  |

#### B.2.2.7 DmtahunControl

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | DmtahunControl() |  |
| 2 | Method | AfterDelete() |  |
| 3 | Method | AfterInsert() |  |
| 4 | Method | AfterUpdate() |  |
| 5 | Method | FilterClick(string) |  |
| 6 | Method | GetDestinationFile(string) |  |
| 7 | Method | GetURLFile(string, string) |  |
| 8 | Property | SetFilterKey(CoreNET.Common.Base.BaseBO) |  |
| 9 | Method | ValidateTotal() |  |
| 10 | Method | View(string) |  |
| 11 | Method | View() |  |
| 12 | Property | Kdtahun |  |
| 13 | Property | Nmtahun |  |

#### B.2.2.8 DmtahunLookupControl

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | DmtahunLookupControl() |  |
| 2 | Method | FindAndSetValuesInto(CoreNET.Common.Base.IDataControl) |  |
| 3 | Method | GetFieldValueProps() |  |
| 4 | Method | GetListDataSingleton() |  |
| 5 | Method | SetListDataNull() |  |

#### B.2.2.9 EventControl

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | EventControl() |  |
| 2 | Method | GetDaoSingleton() |  |
| 3 | Method | Log(System.Exception) |  |
| 4 | Method | Log(CoreNET.Common.Base.IDataControl, System.Exception, int) |  |
| 5 | Method | Log(CoreNET.Common.Base.IDataControl, int) |  |
| 6 | Property | App\_name |  |
| 7 | Property | Computer\_ip |  |
| 8 | Property | Computer\_name |  |
| 9 | Property | Idlog |  |
| 10 | Property | Kdtype |  |
| 11 | Property | Logdata |  |
| 12 | Property | Tgllog |  |
| 13 | Property | User\_app |  |
| 14 | Property | User\_db |  |
| 15 | Const | EVENT\_DELETE |  |
| 16 | Const | EVENT\_EXECSP |  |
| 17 | Const | EVENT\_INSERT |  |
| 18 | Const | EVENT\_LOAD |  |
| 19 | Const | EVENT\_UPDATE |  |
| 20 | Const | EVENT\_VIEW |  |

#### B.2.2.10 LogUtilsBase

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | LogUtilsBase() |  |
| 2 | Method | Log(CoreNET.Common.Base.BaseBO, string) |  |
| 3 | Method | Log(CoreNET.Common.Base.BaseBO, int) |  |
| 4 | Method | EVENT\_DELETE |  |
| 5 | Method | EVENT\_EXECSP |  |
| 6 | Property | EVENT\_INSERT |  |
| 7 | Property | EVENT\_LOAD |  |
| 8 | Property | EVENT\_UPDATE |  |
| 9 | Property | EVENT\_VIEW |  |
| 10 | Property | STR\_EVENT\_LOGIN |  |

#### B.2.2.11 NotesControl

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | NotesControl() |  |
| 2 | Method | GetDaoSingleton() |  |
| 3 | Method | Insert() |  |
| 4 | Method | Load() |  |
| 5 | Method | View() |  |
| 6 | Property | Idnotes |  |
| 7 | Property | Notes |  |
| 8 | Property | Notestype |  |
| 9 | Property | Refdb |  |
| 10 | Property | Refid |  |
| 11 | Property | Reftabel |  |
| 12 | Property | Tglnotes |  |
| 13 | Const | DESCRIPTION |  |
| 14 | Const | FORUM |  |
| 15 | Const | HTMLREPORT |  |
| 16 | Const | RELEASE\_NOTES |  |

#### B.2.2.12 SsappconfigControl

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | SsappconfigControl() |  |
| 2 | Method | GetKeys() |  |
| 3 | Method | View(string) |  |
| 4 | Method | View() |  |
| 5 | Property | Idapp |  |
| 6 | Property | Par |  |
| 7 | Property | Value |  |

#### B.2.2.13 SsappconfigLookupControl

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | SsappconfigLookupControl() |  |
| 2 | Method | FindAndSetValuesInto(CoreNET.Common.Base.IDataControl) |  |
| 3 | Method | GetFieldValueProps() |  |
| 4 | Method | GetListDataSingleton() |  |
| 5 | Method | ResetParams(string) |  |
| 6 | Method | SetListDataNull() |  |
| 7 | Method | View() |  |
| 8 | Property | Instance |  |
| 9 | Property | Params |  |

#### B.2.2.14 SsappControl

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | SsappControl() |  |
| 2 | Method | GetAppParam(string) |  |
| 3 | Method | GetChildren(System.Collections.Generic.List<CoreNET.Common.BO.SsappControl>, CoreNET.Common.BO.SsappControl) |  |
| 4 | Method | GetKeys() |  |
| 5 | Method | IsRootCondition(CoreNET.Common.BO.SsappControl) |  |
| 6 | Method | Load(string) |  |
| 7 | Method | Load() |  |
| 8 | Method | ResetParams(string) |  |
| 9 | Method | Update(System.Collections.Generic.List<CoreNET.Common.BO.SsappControl>) |  |
| 10 | Method | View(string) |  |
| 11 | Method | View() |  |
| 12 | Property | Grpack |  |
| 13 | Property | Icon |  |
| 14 | Property | Idapp |  |
| 15 | Property | Info1 |  |
| 16 | Property | Info2 |  |
| 17 | Property | Info3 |  |
| 18 | Property | Kdapp |  |
| 19 | Property | Nmapp |  |
| 20 | Property | ParentKdapp |  |
| 21 | Property | QSSub |  |
| 22 | Property | Urapp |  |
| 23 | Property | Url |  |
| 24 | Property | UrlFull |  |

#### B.2.2.15 SsappLookupControl

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | SsappLookupControl() |  |
| 2 | Method | FindAndSetValuesIntoByIdapp(CoreNET.Common.Base.IDataControl) |  |
| 3 | Method | FindAndSetValuesIntoByKdapp(CoreNET.Common.Base.IDataControl) |  |
| 4 | Method | GetFieldValueProps() |  |
| 5 | Method | GetListDataSingleton() |  |
| 6 | Method | SetListDataNull() |  |
| 7 | Property | Instance |  |

#### B.2.2.16 SsappmenuControl

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | SsappmenuControl() |  |
| 2 | Method | View(string) |  |
| 3 | Method | View() |  |
| 4 | Property | Idapp |  |
| 5 | Property | Idmenu |  |
| 6 | Property | Kdapp |  |
| 7 | Property | Kdmenu |  |
| 8 | Property | Nmapp |  |
| 9 | Property | Nmmenu |  |
| 10 | Property | Olist1 |  |
| 11 | Property | Olistdetil1 |  |
| 12 | Property | Olistdetil2 |  |
| 13 | Property | Olistdetil3 |  |
| 14 | Property | Olistdetil4 |  |
| 15 | Property | UrlFull |  |

#### B.2.2.17 SsappmenuLookupControl

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | SsappmenuLookupControl() |  |
| 2 | Method | FindAndSetValuesInto(CoreNET.Common.Base.IDataControl) |  |
| 3 | Method | GetFieldValueProps() |  |
| 4 | Method | GetListDataSingleton() |  |
| 5 | Method | SetListDataNull() |  |

#### B.2.2.18 SsuserControl

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | SsuserControl() |  |
| 2 | Method | En(string) |  |
| 3 | Method | Encode(string) |  |
| 4 | Method | Load() |  |
| 5 | Method | UpdatePwd(string) |  |
| 6 | Property | DefaultKdunit |  |
| 7 | Property | DefaultNmunit |  |
| 8 | Property | DefaultNodok |  |
| 9 | Property | DefaultUraian |  |
| 10 | Property | Idapp |  |
| 11 | Property | Idrole |  |
| 12 | Property | Idunit |  |
| 13 | Property | Kdapp |  |
| 14 | Property | Kdgroup |  |
| 15 | Property | Kdpemda |  |
| 16 | Property | Kdunit |  |
| 17 | Property | ModeEditable |  |
| 18 | Property | Nip |  |
| 19 | Property | Nmapp |  |
| 20 | Property | Nmpemda |  |
| 21 | Property | Nmrole |  |
| 22 | Property | Nmunit |  |
| 23 | Property | Nodok |  |
| 24 | Property | Uraian |  |
| 25 | Property | Userblock |  |
| 26 | Property | Useremail |  |
| 27 | Property | Userhp |  |
| 28 | Property | Userid |  |
| 29 | Property | UseridForEntry |  |
| 30 | Property | Userket |  |
| 31 | Property | Usernama |  |
| 32 | Property | Usernip |  |
| 33 | Property | Userno |  |
| 34 | Property | Userpwd |  |
| 35 | Property | Userstatus |  |
| 36 | Property | Usertype |  |
| 37 | Property | Useruraian |  |
| 38 | Property | Uturaian |  |
| 39 | Const | USER\_ADMIN |  |
| 40 | Const | USER\_DEVELOPER |  |
| 41 | Const | USER\_LEVEL\_1 |  |
| 42 | Const | USER\_LEVEL\_2 |  |
| 43 | Const | USER\_LEVEL\_3 |  |
| 44 | Class | USER\_LEVEL\_4 |  |
| 45 | Class | USER\_LEVEL\_5 |  |
| 46 | Class | USER\_TESTER |  |

#### B.2.2.19 SysObjects

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | SysObjects() |  |
| 2 | Method | GetDaoSingleton() |  |
| 3 | Method | GetSysObjSingleton() |  |
| 4 | Method | GetTableSysObjSingleton(CoreNET.Common.Base.BaseBO, string) |  |
| 5 | Property | ColumnName |  |
| 6 | Property | CreateDate |  |
| 7 | Property | IsNullable |  |
| 8 | Property | Length |  |
| 9 | Property | TableName |  |
| 10 | Property | TypeName |  |
| 11 | Field | \_SysObjs |  |
| 12 | Field | \_TableSysObjs |  |

#### B.2.2.20 SysObjectsDao

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Construct | SysObjectsDao() |  |
| 2 | Method | GetTableName() |  |

#### B.2.2.21 ISysObjectsDao

## B.3 CoreNET.Common.UI

### B.3.1 CoreNET.Common.Base

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Class | ADMethodsAccountManagement |  |
| 2 | Class | AssemblyUtils |  |
| 3 | Class | BaseDataControlUI |  |
| 4 | Class | BaseDataControlUIEntry |  |
| 5 | Class | BaseUserControl |  |
| 6 | Class | Fields |  |
| 7 | Class | FileReferences |  |
| 8 | Class | GlobalAsp |  |
| 9 | Class | HashTableofParameterRow |  |
| 10 | Class | MyBoundField |  |
| 11 | Class | PageMasterProperties |  |
| 12 | Class | ParameterRow |  |
| 13 | Class | ParameterRowAppBy |  |
| 14 | Class | ParameterRowCek |  |
| 15 | Class | ParameterRowCreBy |  |
| 16 | Class | ParameterRowDate |  |
| 17 | Class | ParameterRowForum |  |
| 18 | Class | ParameterRowHelp |  |
| 19 | Class | ParameterRowHtml |  |
| 20 | Class | ParameterRowLastBy |  |
| 21 | Class | ParameterRowLookup2 |  |
| 22 | Class | ParameterRowMemo |  |
| 23 | Class | ParameterRowModBy |  |
| 24 | Class | ParameterRowNumeric |  |
| 25 | Class | ParameterRowProgress |  |
| 26 | Class | ParameterRowRevBy |  |
| 27 | Class | ParameterRowSelect |  |
| 28 | Class | ParameterRowSignBy |  |
| 29 | Class | ParameterRowTextBox |  |
| 30 | Class | ParameterRowTextBox2 |  |
| 31 | Class | ParameterRowTime |  |
| 32 | Class | ParameterRowType |  |
| 33 | Class | ParameterRowUploadFile |  |
| 34 | Class | Printer |  |
| 35 | Class | Size |  |
| 36 | Class | TextBoxRow2Template |  |
| 37 | Class | TextBoxRowTemplate |  |
| 38 | Class | UtilityUI |  |
| 39 | Class | ViewListProperties |  |
| 40 | Interface | IDataControlAppuserUI |  |
| 41 | Interface | IDataControlLookup |  |
| 42 | Interface | IDataControlUI |  |
| 43 | Interface | IDataControlUIEntry |  |
| 44 | Interface | IDataControlWebgroup |  |
| 45 | Interface | IEksporable |  |
| 46 | Interface | IFormKTP |  |
| 47 | Interface | IHasJSScript |  |
| 48 | Interface | IMenuTree |  |
| 49 | Interface | IPageMaster |  |
| 50 | Interface | IPrintable |  |
| 51 | Interface | IProperties |  |
| 52 | Interface | IReferences |  |
| 53 | Interface | IURL |  |
| 54 | Interface | IWord |  |
| 55 | Enum | ParameterRowEvent |  |
| 56 | Enum | Printer.PropertyTypes |  |

### B.3.2 CoreNET.Common.BO

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Class | BaseURL |  |
| 2 | Class | LogUtils |  |
| 3 | Class | LogUtils.LogObject |  |
| 4 | Class | RptPars |  |

## B.4 CoreNET.Common.Ext

### B.3.1 CoreNET.Common.Base

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Class | BaseDataControlExt |  |
| 2 | Class | BaseDataControlLog |  |
| 3 | Class | BaseUrl |  |
| 4 | Class | ConstantDictExt |  |
| 5 | Class | ConstantDictUI |  |
| 6 | Class | CoreNETCompositeField |  |
| 7 | Class | ExtFields |  |
| 8 | Class | ExtFormDetail |  |
| 9 | Class | ExtGridFilter |  |
| 10 | Class | ExtGridPanel |  |
| 11 | Class | ExtGridPanelFilter |  |
| 12 | Class | ExtStore |  |
| 13 | Class | ExtTreeNode |  |
| 14 | Class | ExtTreePageUtils |  |
| 15 | Class | ExtTreePanelUtil |  |
| 16 | Class | ExtWindows |  |
| 17 | Class | GlobalExt |  |
| 18 | Class | MyDisplayField20 |  |
| 19 | Class | UtilityExt |  |
| 20 | Class | WindowAdmin |  |
| 21 | Class | WindowDebug |  |
| 22 | Class | WindowForum |  |
| 23 | Class | WindowHelp |  |
| 24 | Class | WindowLoadCSV |  |
| 25 | Class | WindowLookup1 |  |
| 26 | Class | WindowLookupText |  |
| 27 | Class | WindowPrint |  |
| 28 | Class | WindowSearch |  |
| 29 | Class | WindowUrl |  |
| 30 | Interface | IDataControlMenu |  |
| 31 | Interface | IDataControlTreeGrid3 |  |
| 32 | Interface | IDataControlTreeGrid3 |  |
| 33 | Interface | IExtFormEntry |  |
| 34 | Interface | IExtLoadCsv |  |
| 35 | Interface | IExtPage |  |
| 36 | Interface | IHasMenuCommand |  |

### B.3.2 CoreNET.Common.BO

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Class | BOSysUtils |  |
| 2 | Class | EventUIControl |  |
| 3 | Class | NotesUIControl |  |
| 4 | Class | NotesUIListControl |  |
| 5 | Class | ParamValue |  |
| 6 | Class | SysgetcolsControl |  |
| 7 | Class | SysgetcolsLookupControl |  |
| 8 | Class | SysgetfiltersControl |  |
| 9 | Class | SysgetfiltersLookupControl |  |
| 10 | Class | SysgetkeysControl |  |
| 11 | Class | SysgetkeysLookupControl |  |
| 12 | Class | SysgetrowsControl |  |
| 13 | Class | SysgetrowsLookupControl |  |
| 14 | Class | SysgettreecolsControl |  |
| 15 | Class | SysgettreecolsLookupControl |  |

## B.5 CoreNET.Common.Sys

### B.5.1 CoreNET.Common.Base

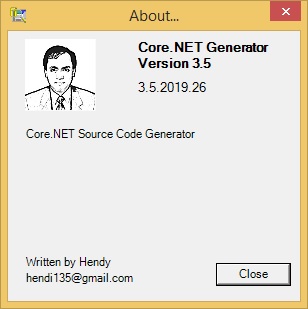
|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Class | BaseDataControlMenu |  |
| 2 | Class | BaseDataControlSys |  |
| 3 | Class | SysUtils |  |

### B.5.2 CoreNET.Common.BO

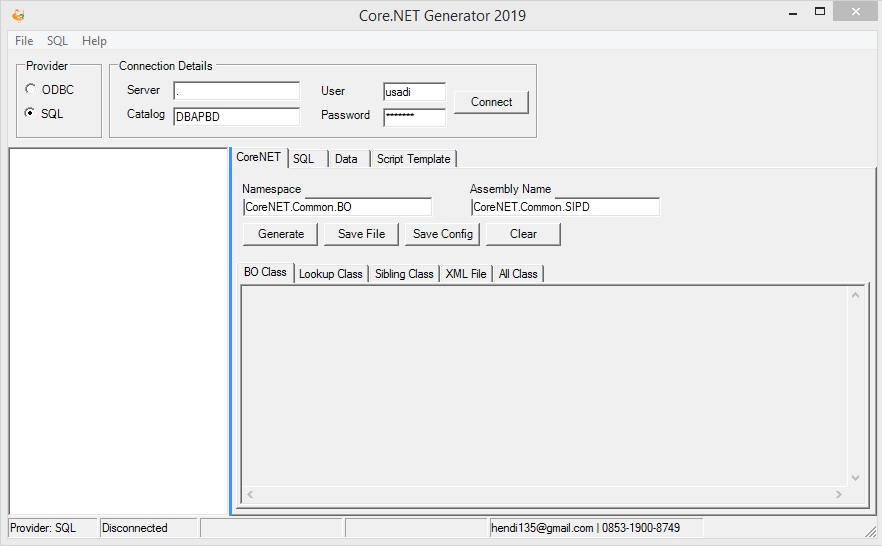
|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Nama | Keterangan |
| 1 | Class | ConstantTablesSys |  |
| 2 | Class | DashboardHelper |  |
| 3 | Class | DashboardUtils |  |
| 4 | Class | DmbulanUIControl |  |
| 5 | Class | DmdokControl |  |
| 6 | Class | DmdokLookupControl |  |
| 7 | Class | DmlevelUIControl |  |
| 8 | Class | DmlevelUILookupControl |  |
| 9 | Class | DmpemdaControl |  |
| 10 | Class | DmpemdaFormControl |  |
| 11 | Class | DmpemdaLookupControl |  |
| 12 | Class | DmstatusUIControl |  |
| 13 | Class | DmtahunUIControl |  |
| 14 | Class | DmtahunUILookupControl |  |
| 15 | Class | ExtIcon |  |
| 16 | Class | Rpt00datavolControl |  |
| 17 | Class | Rpt00datavolLookupControl |  |
| 18 | Class | Ss00appconfigControl |  |
| 19 | Class | Ss00appconfigLookupControl |  |
| 20 | Class | Ss00appconfigparControl |  |
| 21 | Class | Ss00appconfigparLookupControl |  |
| 22 | Class | Ss00appconfigRegControl |  |
| 23 | Class | Ss00appconfigUIControl |  |
| 24 | Class | Ss00appControl |  |
| 25 | Class | Ss00appkkpControl |  |
| 26 | Class | Ss00appLinkControl |  |
| 27 | Class | Ss00appLookupControl |  |
| 28 | Class | Ss00appmenuAdminControl |  |
| 29 | Class | Ss00appmenuconfigControl |  |
| 30 | Class | Ss00appmenuconfigLookupControl |  |
| 31 | Class | Ss00appmenuControl |  |
| 32 | Class | Ss00appmenuLookupControl |  |
| 33 | Class | Ss00appmenuMapClassControl |  |
| 34 | Class | Ss00appmenuRegControl |  |
| 35 | Class | Ss00appmenuSetURLControl |  |
| 36 | Class | Ss00appMonControl |  |
| 37 | Class | Ss00appNewControl |  |
| 38 | Class | Ss00appregconfigControl |  |
| 39 | Class | Ss00appregconfigLookupControl |  |
| 40 | Class | Ss00appregControl |  |
| 41 | Class | Ss00appregLookupControl |  |
| 42 | Class | Ss00appversiconfigControl |  |
| 43 | Class | Ss00appversiconfigLookupControl |  |
| 44 | Class | Ss00appversiControl |  |
| 45 | Class | Ss00appversiLookupControl |  |
| 46 | Class | Ss01appmenuAdminControl |  |
| 47 | Class | Ss01appmenuAppControl |  |
| 48 | Class | Ss01appmenuAppLookupControl |  |
| 49 | Class | Ss01appmenuconfigControl |  |
| 50 | Class | Ss01appmenuconfigLookupControl |  |
| 51 | Class | Ss01appmenuControl |  |
| 52 | Class | Ss01appmenuDebugControl |  |
| 53 | Class | Ss01appmenuFilterControl |  |
| 54 | Class | Ss01appmenukkpControl |  |
| 55 | Class | Ss01appmenuLookupControl |  |
| 56 | Class | Ss01appmenuMapClassControl |  |
| 57 | Class | Ss01appmenuRegControl |  |
| 58 | Class | Ss01appmenuSetURLControl |  |
| 59 | Class | Ss01appmenuStatisControl |  |
| 60 | Class | Ss01appmenuStatusControl |  |
| 61 | Class | Ss01appmenuStatusFormControl |  |
| 62 | Class | Ss01appmenuTahunControl |  |
| 63 | Class | Ss10userappByUserControl |  |
| 64 | Class | Ss10userappControl |  |
| 65 | Class | Ss10userappLookupControl |  |
| 66 | Class | Ss10userByUserTypeAdminControl |  |
| 67 | Class | Ss10userByUserTypeControl |  |
| 68 | Class | Ss10userControl |  |
| 69 | Class | Ss10userLoginControl |  |
| 70 | Class | Ss10userLookupControl |  |
| 71 | Class | Ss10usermenuControl |  |
| 72 | Class | Ss10usertypesControl |  |
| 73 | Class | Ss10usertypesLookupControl |  |
| 74 | Class | Ss11userolControl |  |
| 75 | Class | Ss11userolLookupControl |  |
| 76 | Class | Ss20groupAppControl |  |
| 77 | Class | Ss20groupconfigControl |  |
| 78 | Class | Ss20groupconfigLookupControl |  |
| 79 | Class | Ss20groupControl |  |
| 80 | Class | Ss20groupLookupControl |  |
| 81 | Class | Ss20groupmenuControl |  |
| 82 | Class | Ss20groupmenuLookupControl |  |
| 83 | Class | Ss20groupmenuLookupForSelfControl |  |
| 84 | Class | Ss20groupuserControl |  |
| 85 | Class | Ss20groupuserLookupForSelfControl |  |
| 86 | Class | Ss90dictionaryControl |  |
| 87 | Class | SsappmenuAllIdmenuLookupControl |  |
| 88 | Class | SsappmenuAllOlist1Control |  |
| 89 | Class | SsappmenuAllOlist1LookupControl |  |
| 90 | Class | SsappmenuconfigAll |  |
| 91 | Class | SsuserappControl |  |
| 92 | Class | SysgetcolsUIControl |  |
| 93 | Class | SysgetcolsUISs00appmenuControl |  |
| 94 | Class | SysgetcolsUISs01appmenuControl |  |
| 95 | Class | SysgetfiltersUIControl |  |
| 96 | Class | SysgetfiltersUISs00appmenuControl |  |
| 97 | Class | SysgetfiltersUISs01appmenuControl |  |
| 98 | Class | SysgetkeysUIControl |  |
| 99 | Class | SysgetkeysUISs00appmenuControl |  |
| 100 | Class | SysgetkeysUISs01appmenuControl |  |
| 101 | Class | SysgetrowsUIControl |  |
| 102 | Class | SysgetrowsUISs00appmenuControl |  |
| 103 | Class | SysgetrowsUISs01appmenuControl |  |
| 104 | Class | SysgettreecolsUIControl |  |
| 105 | Class | SysgettreecolsUISs00appmenuControl |  |
| 106 | Class | SysgettreecolsUISs01appmenuControl |  |
| 107 | Enum | MyIcon |  |

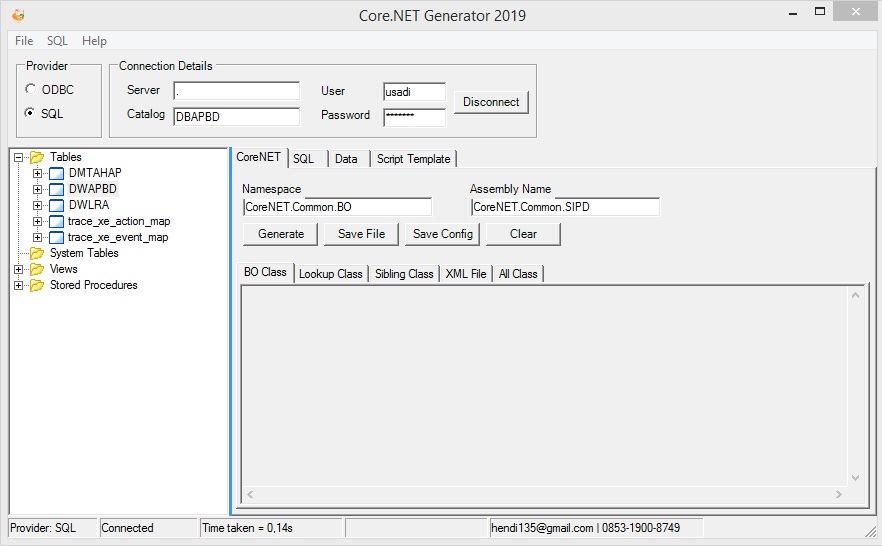
# Lampiran C CoreNET Generator

## 1. Download CoreNET Generator Versi Terakhir

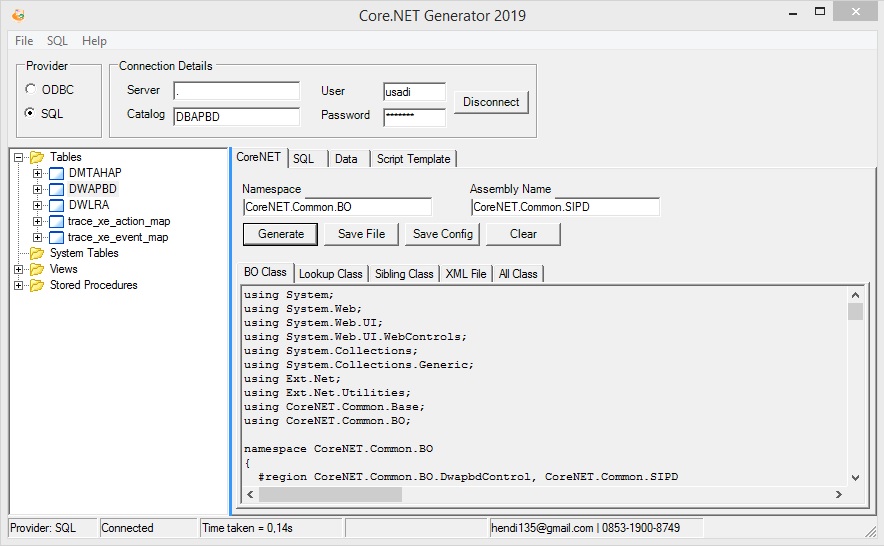


## 2. Connect ke Database

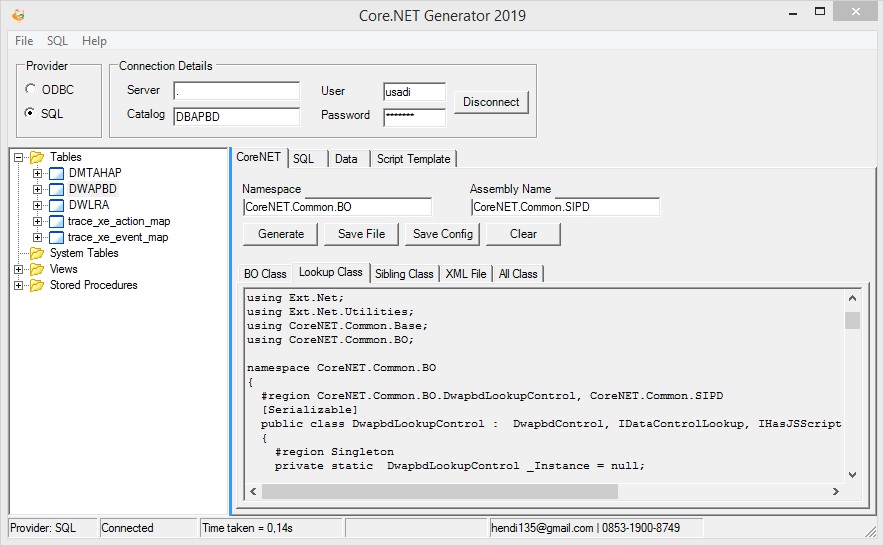




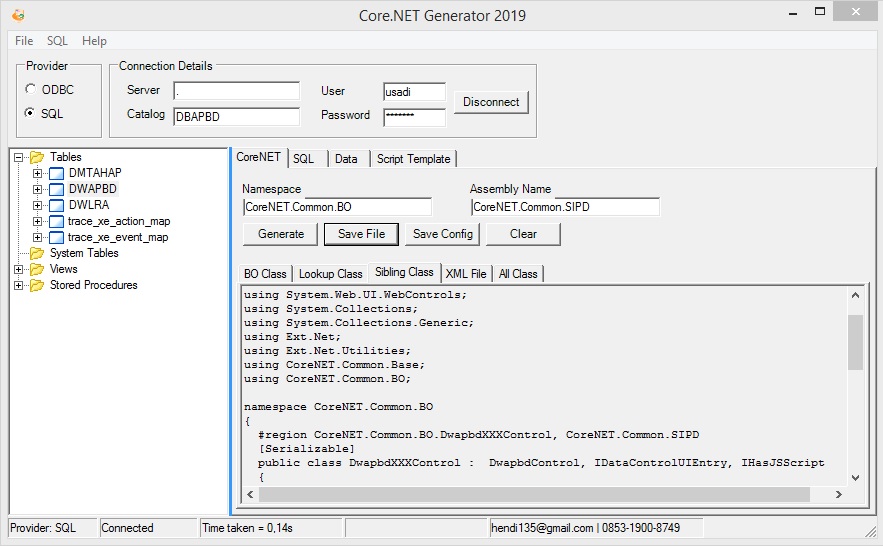
## 3. Generate BO (*Bussiness Object*) *Class* File



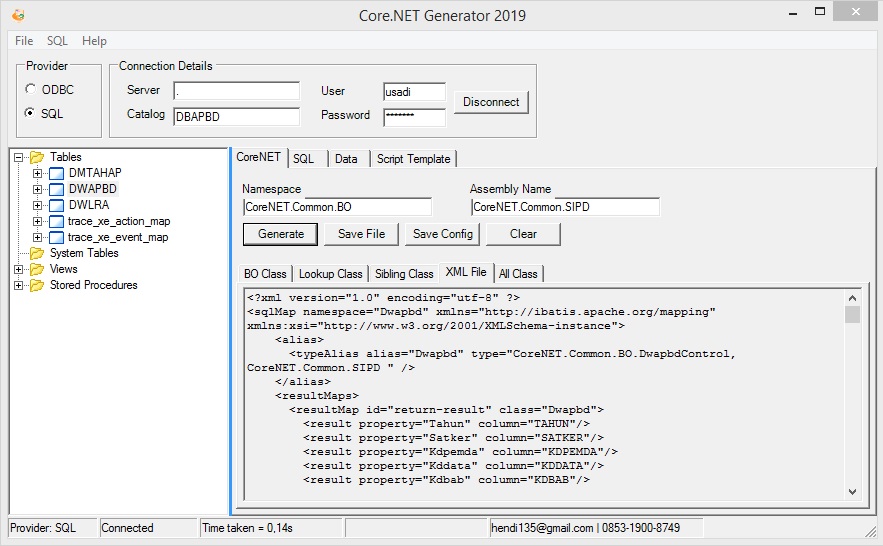
## 4. Generate *Lookup Class* File



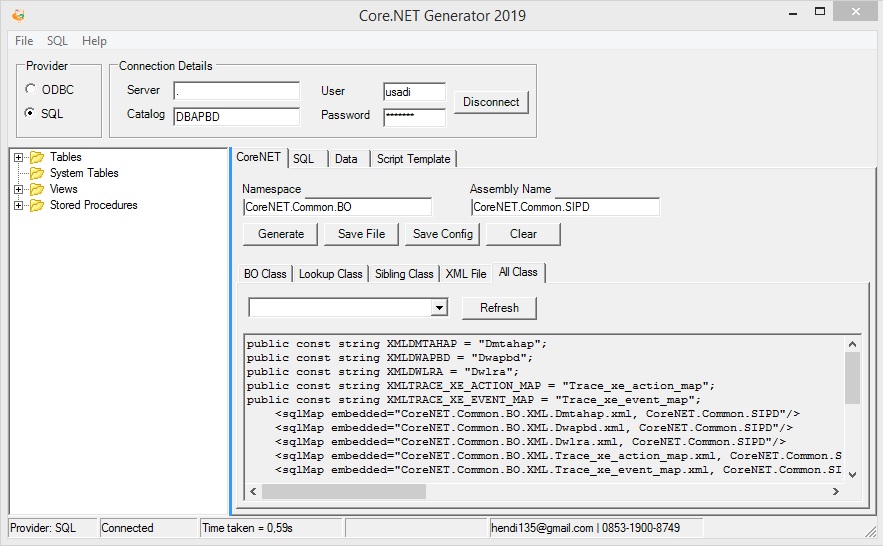
## 5. Generate *Sibling Class* File



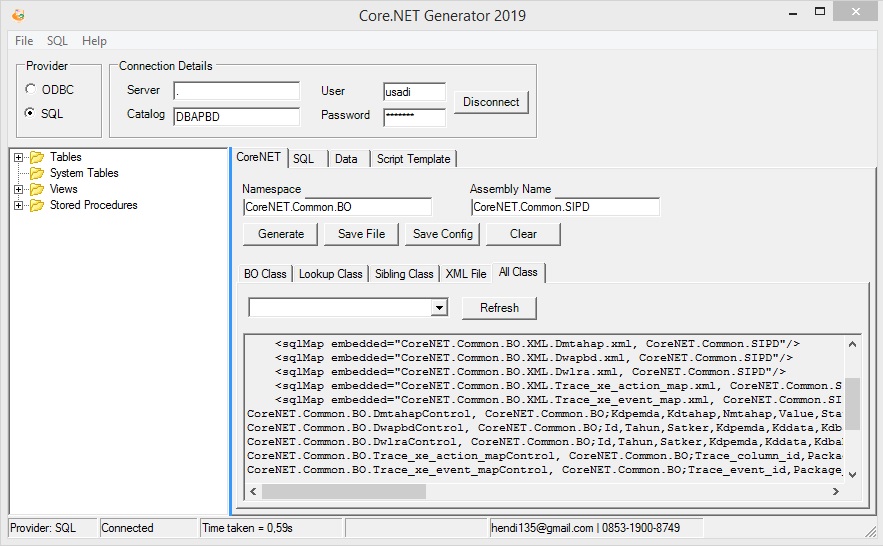
## 6. Generate XML File



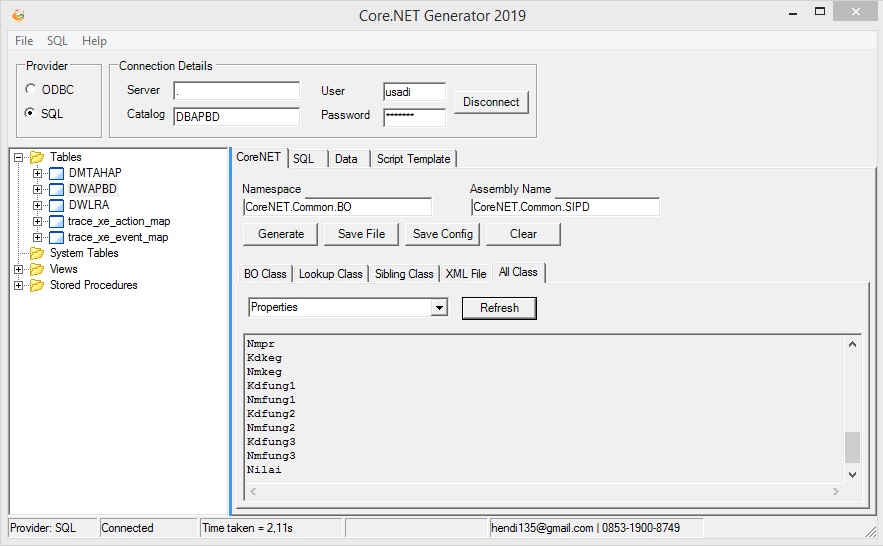
## 7. Generate ConstantTables Entries



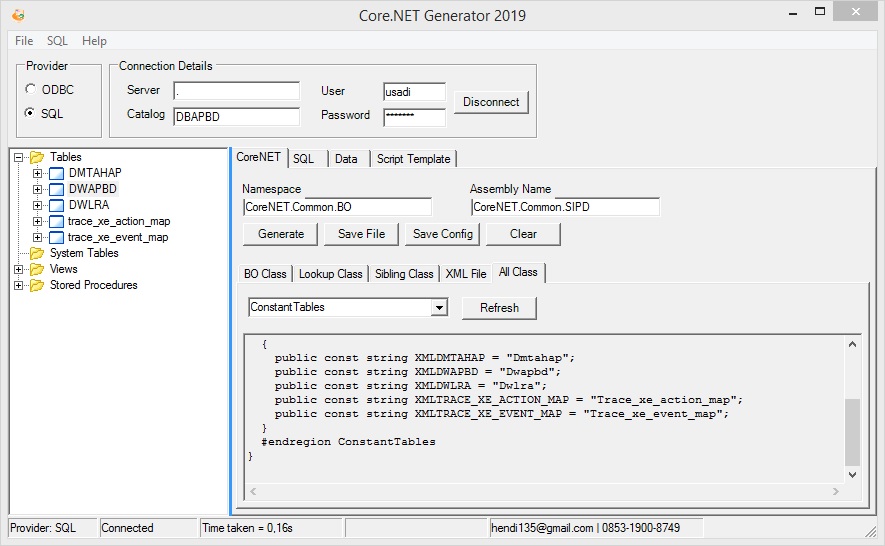
## 8. Generate sqlmap.config Entries



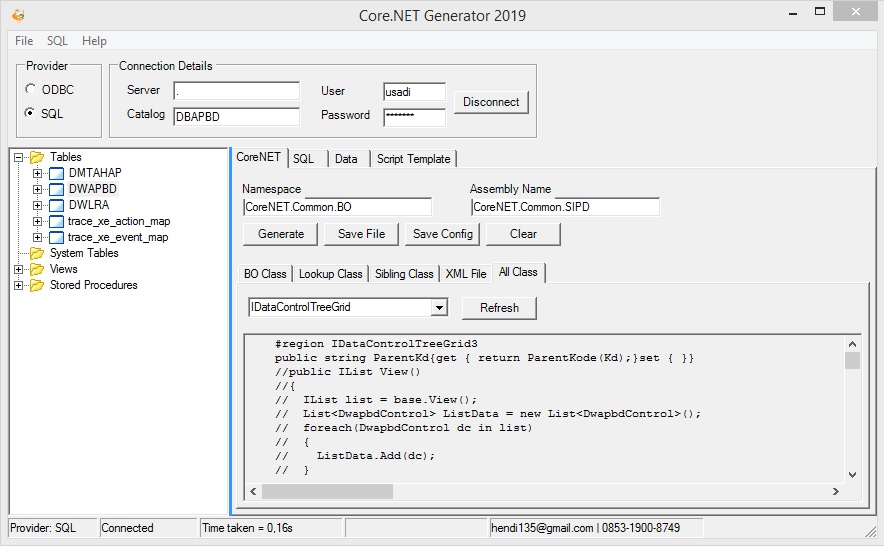
## 9. Generate Properties from Table



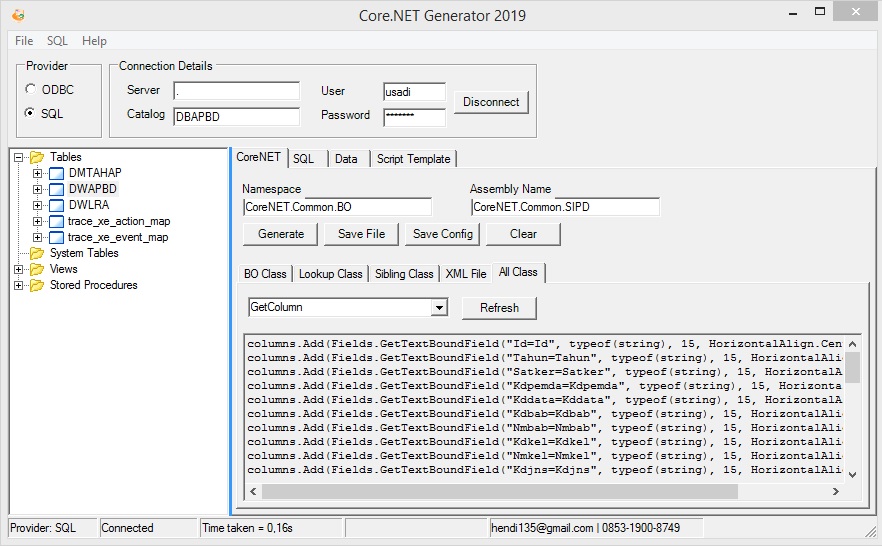
## 10. Generate ConstantTable Class



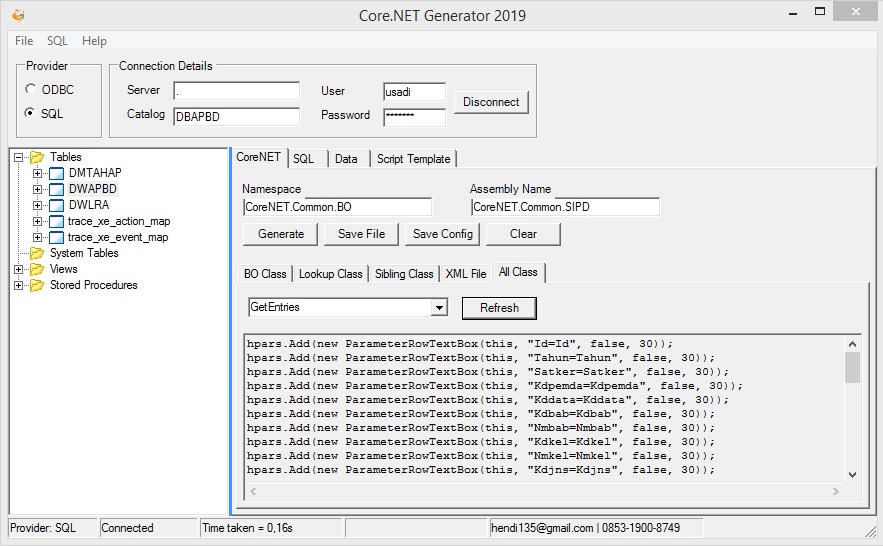
## 11. Generate Snippet Region IdataControlTreeGrid3



## 12. Generate Entries GetColumn() Method



## 13. Generate Entries GetEntries() Method

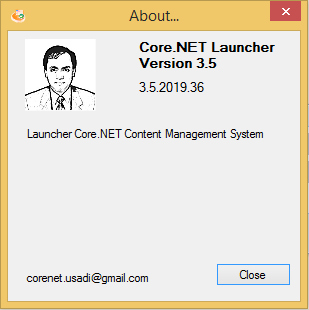


# Lampiran D CoreNETLauncher

## 1. Menampilkan Versi dari “CoreNETLauncher”

### 3.1 Klik menu “**About**” untuk menampilkan jendela “**About**”

### 3.2 Mengetahui versi CoreNETLauncher dari jendela “**About**”



Contoh CoreNET Launcher yang dijalankan versi “**3.5.2019.36**”

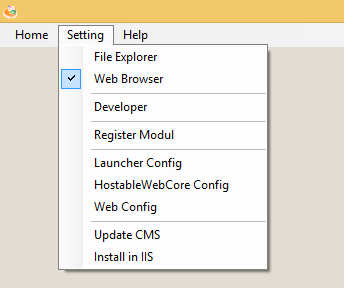
## 2. Mode “File Explorer”

### 3.1 Klik menu “**About**” untuk menampilkan jendela “**About**”

### 3.2 Mengetahui versi CoreNETLauncher dari jendela “**About**”

## 3. Update CoreNET WebCMS

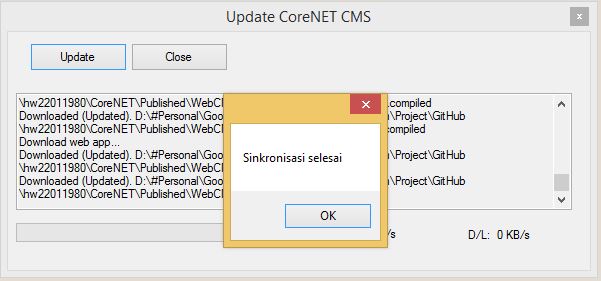
### 3.1 Klik menu “**Update CMS**” untuk menampilkan jendela “**Update CoreNET CMS**”



### 2.2 Klik tombol “Update”

### 

### 2.3 Jika berhasil, progress update akan muncul, file-file library terbaru akan didownload dan akan muncul pesan sukses.



## 3. Troubleshooting

# Lampiran E Instalasi WebCMS di Internet Information Services (IIS)

1. Pastikan IIS terinstal di komputer anda.
2. Pastikan .NET Framework versi 3.5 terinstal di komputer anda
3. Jalankan *tool* **regiis.bat** di folder **/Tool** dari folder **ADK CoreNET Framework** yang sudah anda download
4. Jalankan ***IIS management services*** dengan me-run ***inetmgr*** di *run dialog/command prompt*
5. Klik kanan di “Application Pool” lalu klik “**Add Application Pool**”
6. Klik kanan di “Default Web Sites” lalu klik “**Add Application**”
7. Isikan nama aplikasi dan lokasi (path) dari aplikasi WebCMS, yaitu di :
8. Tes aplikasi dengan cara klik kanan
9. Jika tidak ada pesan error, aplikasi WebCMS telah berhasil diinstal dengan alamat http:// localhost/myapp”
10. Edit file konfigurasi CMSLauuncher
11. Tambahkan URL di langkah 9 ke modul aplikasi

# Lampiran F Data Berstruktur/Berlevel/Berjenjang

1. Data berstruktur/berjenjang/berlevel adalah

# Lampiran G Status dan Status Icon

1. Data berstruktur/berjenjang/berlevel adalah

# Lampiran H Daftar Jenis ParameterRow (Entry di GetEntries)

**GetEntries** adalah *abstract method* dari interface **IDataControlUIEntry**, yang harus diimplementasikan oleh suatu kelas controller yang menggunakannya. Fungsi dari **GetEntries** adalah membentuk “**form entry**”, yaitu halaman berbentuk form/formulir untuk menambah atau mengedit suatu baris data dari suatu tabel database.

Berikut ini jenis komponen UI yang dapat digunakan dalam suatu **form entry**.

|  |  |  |  |
| --- | --- | --- | --- |
| No | Type | Reference Class | Keterangan |
| 1 | Class | ParameterRow |  |
| 2 | Class | ParameterRowAppBy |  |
| 3 | Class | ParameterRowCek |  |
| 4 | Class | ParameterRowCreBy |  |
| 5 | Class | ParameterRowDate |  |
| 6 | Class | ParameterRowForum |  |
| 7 | Class | ParameterRowHelp |  |
| 8 | Class | ParameterRowHtml |  |
| 9 | Class | ParameterRowLastBy |  |
| 10 | Class | ParameterRowLookup2 |  |
| 11 | Class | ParameterRowMemo |  |
| 12 | Class | ParameterRowModBy |  |
| 13 | Class | ParameterRowNumeric |  |
| 14 | Class | ParameterRowProgress |  |
| 15 | Class | ParameterRowRevBy |  |
| 16 | Class | ParameterRowSelect |  |
| 17 | Class | ParameterRowSignBy |  |
| 18 | Class | ParameterRowTextBox |  |
| 19 | Class | ParameterRowTextBox2 |  |
| 20 | Class | ParameterRowTime |  |
| 21 | Class | ParameterRowType |  |
| 22 | Class | ParameterRowUploadFile |  |

# Lampiran I Daftar Jenis Kolom Grid (Entry di GetColumn)

1. Data berstruktur/berjenjang/berlevel adalah

|  |  |  |
| --- | --- | --- |
|  |  | Dear Brothers & Sisters  All over the universe  Feeling troublesome when learning programming?  It's no longer a time when you are confused about learning front-end and back-end programming. Start learning **CoreNET Application Development Kit** to create transactional **web-based** or **hybrid desktop** applications.  Contact us for training information.  With Love 3000  Hendi Wibowo |
| Hendi Wibowo  CoreNET Framework Evangelist  **CONTACT**  PHONE:  (+62)-813-9592-9218  WEBSITE:  <https://www.linkedin.com/in/hendi-wibowo-12938458/>  EMAIL:  hendi135@gmail.com |  |