

## MVC\_Java

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## Modul 13.2

1. Buatlah Design Seperti berikut

## APLIKASI DATA MEMBER

ID/KODE

NAMA PELANGGAN

NO TELEPON

ALAMAT

PAKET MEMBER

Item 1

SIMPAN

UBAH

HAPUS

BATAL

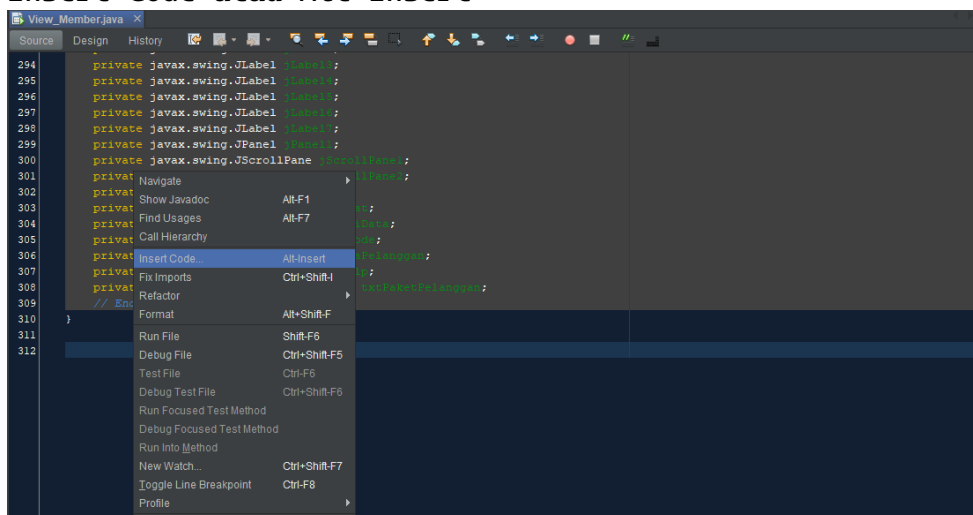
Cari Data :

CARI

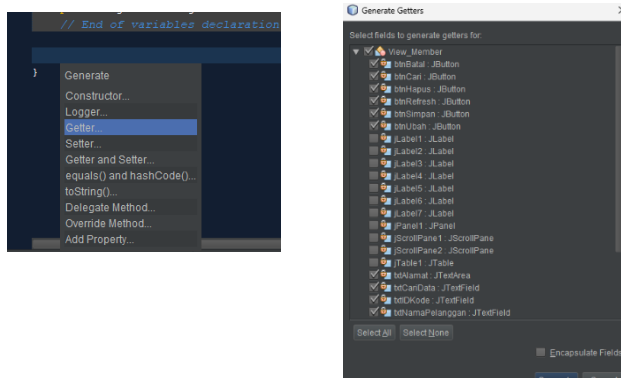
REFRESH

Title 1	Title 2	Title 3	Title 4

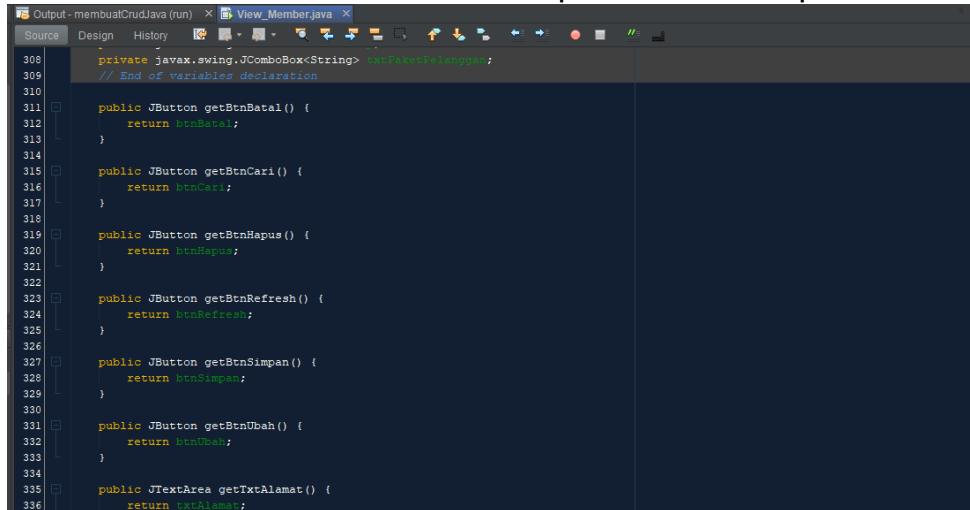
2.Masuk Ke Source kemudian Scroll ke paling bawah klik kanan dan pilih Insert Code atau Alt+Insert



3.kemudian pilih Getter dan centang beberapa variabel berikut



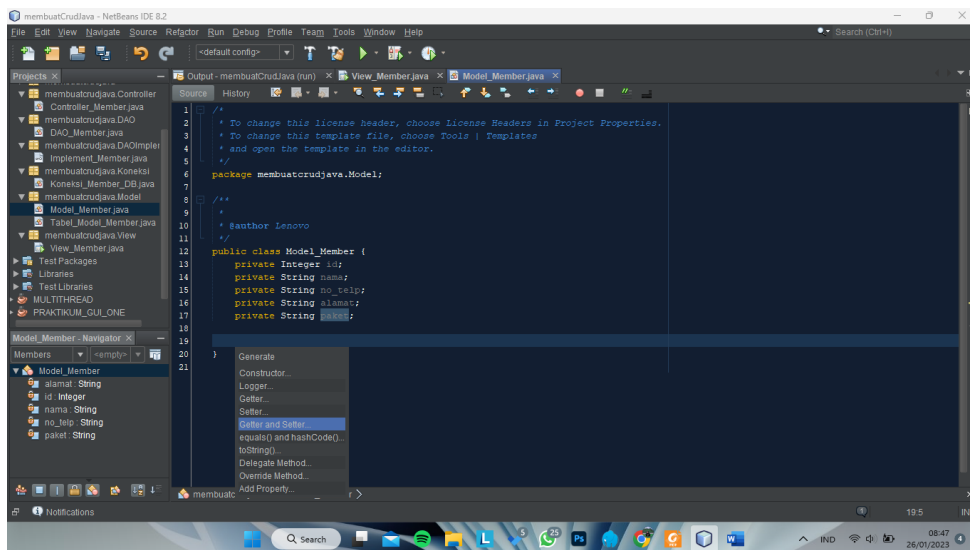
4. Setelah itu akan muncul beberapa function seperti berikut



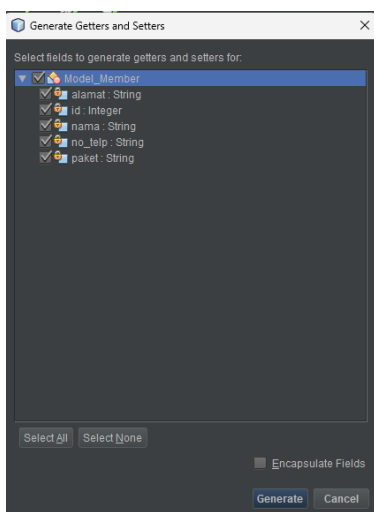
```
308 private javax.swing.JComboBox<String> getBtnBatal();
309 // End of variables declaration
310
311 public JButton getBtnBatal() {
312     return btnBatal;
313 }
314
315 public JButton getBtnCari() {
316     return btnCari;
317 }
318
319 public JButton getBtnHapus() {
320     return btnHapus;
321 }
322
323 public JButton getBtnRefresh() {
324     return btnRefresh;
325 }
326
327 public JButton getBtnSimpan() {
328     return btnSimpan;
329 }
330
331 public JButton getBtnUbah() {
332     return btnUbah;
333 }
334
335 public JTextArea getTxtAlamat() {
336     return txtAlamat;
```

5. Mengatur Syntax Model\_Member.Java

- Silahkan masuk pada syntax Model, panggil beberapa field yang sudah dibuat disesuaikan dengan database.
- Langkah selanjutnya silahkan masukkan Getter dan Setter dengan cara klik *Alt Insert*, kemudian pilih menu Getter and Setter.



Silahkan dicentang semua, kemudian klik *Generate*



Maka hasil dari Getter dan Setter seperti berikut

```
package membuatcrudjava.Model;

public class Model_Member {
    private Integer id;
    private String nama;
    private String no_telp;
    private String alamat;
    private String email;

    public Integer getId() {
        return id;
    }

    public void setId(Integer id) {
        this.id = id;
    }

    public String getNama() {
        return nama;
    }

    public void setNama(String nama) {
        this.nama = nama;
    }

    public String getNo_telp() {
        return no_telp;
    }

    public void setNo_telp(String no_telp) {
        this.no_telp = no_telp;
    }

    public String getAlamat() {
        return alamat;
    }
}
```

## 6. Mengatur Syntax Tabel\_Model\_Member.java

- Mengextends tablemodelmember
- Jika terdapat tanda pentung merah, silahkan klik baris pertama seperti berikut

```
13 public class Tabel_Model_Member extends AbstractTableModel {
14     Add import for javax.swing.table.AbstractTableModel
15     Create class "AbstractTableModel" in package membuatcrudmvjava.Model (Source Packages)
```

- Jika masih terdapat peringatan, silahkan klik baris pertama seperti gambar berikut

```
15 public class Tabel_Model_Member extends AbstractTableModel {
16     Implement all abstract methods
17     Make class Tabel_Model_Member abstract
```

Maka syntaxnya menjadi seperti berikut

```
Source | History | Output - membuatcrudJava (run) | View_Member.java | Model_Member.java | Tabel_Model_Member.java
1 package membuatcrudjava.Model;
2
3
4 import javax.swing.table.AbstractTableModel;
5
6 public class Tabel_Model_Member extends AbstractTableModel {
7
8     @Override
9     public int getRowCount() {
10         throw new UnsupportedOperationException("Not supported yet."); //To change body of generated methods, choose Tools
11     }
12
13     @Override
14     public int getColumnCount() {
15         throw new UnsupportedOperationException("Not supported yet."); //To change body of generated methods, choose Tools
16     }
17
18     @Override
19     public Object getValueAt(int i, int ii) {
20         throw new UnsupportedOperationException("Not supported yet."); //To change body of generated methods, choose Tools
21     }
22
23 }
24
```

Karena syntax diatas masih eroor, maka Lakukan modifikasi syntax seperti berikut

```
Output - membuatcrudjava (run) x View_Member.java x Model_Member.java x Tabel_Model_Member.java x
Source History
1 package membuatcrudjava.Model;
2
3 import java.awt.List;
4 import javax.swing.table.AbstractTableModel;
5
6 public class Tabel_Model_Member extends AbstractTableModel {
7
8     java.util.List<Model_Member> List_Member;
9
10    public Tabel_Model_Member(java.util.List<Model_Member> List_Member){
11        this.List_Member = List_Member;
12    }
13
14    @Override
15    public int getRowCount() {
16        return List_Member.size();
17    }
18
19    @Override
20    public int getColumnCount() {
21        return 5;
22    }
23
24    @Override
25    public String getColumnName(int column) {
26        switch (column){
27            case 0 :
28                return "ID/KODE";
29            case 1 :
```

```
30                return "NAMA";
31            case 2 :
32                return "NOMOR TELEPHONE";
33            case 3 :
34                return "ALAMAT";
35            case 4 :
36                return "PAKET MEMBER";
37            default:
38                return null;
39        }
40    }
41
42    @Override
43    public Object getValueAt(int row, int column) {
44        switch (column){
45            case 0 :
46                return List_Member.get(row).getId();
47            case 1 :
48                return List_Member.get(row).getNama();
49            case 2 :
50                return List_Member.get(row).getNo_telp();
51            case 3 :
52                return List_Member.get(row).getAlamat();
53            case 4 :
54                return List_Member.get(row).getPaket();
55            default:
56                return null;
57        }
58    }
59 }
```