

## CHAPTER 3 PERINTAH DASAR MANIPULASI DATA

### STUDI KASUS :

```
Create Database DB_MHS;
Use DB_MHS;

Create Table Biodata (
NIM Char(4) not Null,
Nama Varchar(6),
Jurusan Varchar (10) );

Insert Biodata values ( '0611' , 'Diana' , 'Akuntansi');
Insert Biodata values ( '0512' , 'Susan' , 'Komputer');
Insert Biodata values ( '0713' , 'Pandi' , 'B_Ingggris');
Insert Biodata values ( '0415' , 'Reza' , 'Komputer');
Insert Biodata values ( '0816' , 'Dani' , 'B_Ingggris');
Insert Biodata values ( '0414' , 'Ronal' , 'Akutansi');
Desc Biodata ;
Select * From Biodata ;
```

#### 1. Mengganti Nama field

```
BU : Alter Table Nama_Tabel Change Field_Lama Field_Baru Type ([Ukuran]) ;
Cth : ~ Alter table Biodata change NIM NIRM Char (5) Null ;
      ~ Alter table Biodata change NIRM NIM Char (4) not Null ;
```

#### 2. Menyisip Primary Key

```
BU : Alter Table Nama_Tabel Add Primary Key (Field) ;
Cth : Alter Table Biodata Add Primary Key (NIM) ;
```

#### 3. Menghapus Primary Key

```
BU : Alter Table Nama_Tabel Drop Primary Key ;
Cth : Alter Table Biodata Drop Primary Key;
```

#### 4. Menambah field

```
BU : Alter Table Nama_Tabel Add Field Type ([Ukuran]);
Cth : Alter Table Biodata Add Alamat varchar (10) ;
```

#### 5. Menghapus field

```
BU : Alter Table Nama_Tabel Drop Field ;
Cth : Alter Table Biodata Drop Alamat ;
```

#### 6. Mengganti record tabel

```
BU : Update Nama_tabel Set Field_1=Nilai_Baru_1,
Field_2=Nilai_Baru_2 , . . . , Field_n =Nilai_Baru_n
Where (Kondisi);
```

```
UPDATE BIODATA SET NIM='0101'
WHERE NAME='diana';
```

```
Cth1 : Update Biodata set Nama='Melati' Where NIM = '0611';
Cth2 : Update Biodata set NIM = '0601' where NIM ='0611' ;
Cth3 : Update Biodata set Nama = 'Jamal',Jur = 'Akuntansi ' where NIM ='0512' ;
Cth4 : Update Biodata set Jur = 'Komputer ' where NIM ='0512' or NIM='0713' ;
```

### 7. Menghapus sebagian record tabel

BU : Delete from Nama\_Tabel Where Kondisi ;

Cth : Delete from Biodata Where NIM = '0414' ;

Atau

Delete from Biodata Where Jurusan = 'Akuntansi' ;

### 8. Menghapus seluruh record tabel

BU : Delete from Nama\_Tabel ;

Cth : Delete from Biodata ;

- Tambahkan kondisi dengan perintah where untuk menghapus record berdasarkan kriteria tertentu.

- Tambahkan perintah **limit** untuk batasan penghapusan record.

Cth : Delete from Biodata limit 3;

### 9. Mengetahui jumlah record

BU : Select count ( \* ) from Nama\_Tabel ;

Cth : Select count ( \* ) from Biodata ;

Count *
7

Select count ( \* ) as Jumlah from Biodata ;

Jumlah
7

Select count ( \* ) as 'Jlh Data' from Biodata ;

Jlh Data
7