UAS Perancangan Database

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1. Membuat Database dengan nama Market_npm

create database Market_2010010517;

```
MariaDB [(none)]> create database Market_2010010517;
Query OK, 1 row affected (0.001 sec)

MariaDB [(none)]>
```

2. Gunakan database dengan command

Use Market_2010010517;

```
MariaDB [(none)]> Use Market_2010010517;
Database changed
MariaDB [Market_2010010517]>
```

3. Membuat Struktur Table Membuat Table Barang:

create table Barang (Id_barang varchar (15) Primary key, Nama_barang varchar (50), Kd_Jenis varchar (15), Harga_Jual double, Harga_Beli double, Stok Int (5));

```
MariaDB [Market_2010010517]> create table Barang (Id_barang varchar (15) Primary key, Nama_barang varchar (50), Kd_Jenis
 varchar (15), Harga_Jual double, Harga_Beli double, Stok Int (5));
Query OK, 0 rows affected (0.026 sec)
```

Membuat Table Pelanggan:

create table Pelanggan (Kd_Pelanggan varchar (15) Primary Key, Nm_Pelanggan varchar (50), Alamat varchar (50), No_telp varchar (15));

```
MariaDB [Market_2010010517]> create table Pelanggan (Kd_Pelanggan varchar (15) Primary Key, Nm_Pelanggan varchar (50), A
lamat varchar (50), No_telp varchar (15));
Query OK, 0 rows affected (0.024 sec)
```

Membuat table Supplier:

create table Supplier (Kd_Supplier varchar (15) Primary key, Nm_Supplier varchar (50), Alamat varchar (50), No_telp varchar (15));

```
MariaDB [Market_2010010517]> create table Supplier (Kd_Supplier varchar (15) Primary key, Nm_Supplier varchar (50), Alam
at varchar (50), No_telp varchar (15));
Query OK, 0 rows affected (0.026 sec)

MariaDB [Market_2010010517]>
```

Membuat table Pembelian:

create table Pembelian (No_faktur varchar (15) Primary key, Kd_Supplier varchar (15), Id_barang varchar (15), Tgl_beli date, Harga_Beli double, Jumlah int (5), Total_Harga double);

```
MariaDB [Market_2010010517]> create table Pembelian (No_faktur varchar (15) Primary key, Kd_Supplier varchar (15), Id_ba
rang varchar (15), Tgl_beli date, Harga_Beli double, Jumlah int (5), Total_Harga double);
Query OK, 0 rows affected (0.035 sec)

MariaDB [Market_2010010517]>
```

Membuat table Penjualan:

create table Penjualan (No_faktur varchar (15) Primary Key, Kd_Pelanggan varchar (15), Id_barang varchar (15), Tgl_Jual date, Harga_Jual double, Jumlah int (5), Total_Harga double);

```
MariaDB [Market_2010010517]> create table Penjualan (No_faktur varchar (15) Primary Key, Kd_Pelanggan varchar (15), Id_b
arang varchar (15), Tgl_Jual date, Harga_Jual double, Jumlah int (5), Total_Harga double);
Query OK, 0 rows affected (0.027 sec)

MariaDB [Market_2010010517]>
```

4. Mengisi Data Pada 8 Table:

5. Menampilkan perintah sql syintax masing-masing pengisian (ISI DATA) tabel

Insert into Barang values
("1","Aqua","Air Minum",4000,2000,100),
("2","Leminerale","Air Minum",3000,1500,100),
("3","Proof","Air Minum",5000,3000,100),
("4","Superstar","Snack",1000,500,100),
("5","Chitato","Snack",2000,1000,100),
("6","Saori","Bumbu",5000,2000,100),
("7","Ajinomoto","Bumbu",5000,2000,100),
("8","Royco","Bumbu",500,200,100);

```
MariaDB [Market_2010010517]> Insert into Barang values
    -> ("1","Aqua","Air Minum",4000,2000,100),
    -> ("2","Leminerale","Air Minum",3000,1500,100),
    -> ("3","Proof","Air Minum",5000,3000,100),
    -> ("4","Superstar","Snack",1000,500,100),
    -> ("5","Chitato","Snack",2000,1000,100),
    -> ("6","Saori","Bumbu",5000,2000,100),
    -> ("7","Ajinomoto","Bumbu",5000,2000,100),
    -> ("8","Royco","Bumbu",500,200,100);
Query OK, 8 rows affected (0.008 sec)
Records: 8  Duplicates: 0  Warnings: 0
```

Insert into Pelanggan values
("1","Mina","Jl. Pahlawan","081235802490"),
("2","Arif","Jl. Pramuka", "08123575435"),
("3","Ale","Jl. Veteran", "08123585663"),
("4","Ehlija","Jl. Sekolah", "081286432689"),
("5","Santo","Jl. Luar", "0856702490"),
("6","Mira","Jl. Dalam", "08126783905"),
("7","Amat","Jl. Luas", "089635290689"),
("8","Hani","Jl. Sempit","08634389380");

```
MariaDB [Market_2010010517]> Insert into Pelanggan values
    -> ("1","Mina","Jl. Pahlawan","081235802490"),
    -> ("2","Arif","Jl. Pramuka", "08123575435"),
    -> ("3","Ale","Jl. Veteran", "08123585663"),
    -> ("4","Ehlija","Jl. Sekolah", "081286432689"),
    -> ("5","Santo","Jl. Luar", "0856702490"),
    -> ("6","Mira","Jl. Dalam", "08126783905"),
    -> ("7","Amat","Jl. Luas", "089635290689"),
    -> ("8","Hani","Jl. Sempit","08634389380");
Query OK, 8 rows affected (0.007 sec)
Records: 8  Duplicates: 0  Warnings: 0
```

Insert into supplier values
("1","PT. Perkecapan","Surabaya","0812319239"),
("2","PT. Perbumbuan","Minangkabau","08123123123"),

("3","PT. Perbukuan","Lombok","0893123123"),
("4","PT. Tambang Raya","Batu Licin","08321931203"),
("5","PT. Percetakan","Medan","08961238123"),
("6","PT. Pertanian","Bandung","0812312331"),
("7","PT. Perikanan","Papua","0812391233"),
("8","PT. Snack","Palangka Raya","08912312331");

```
MariaDB [market_2010010517]> Insert into supplier values
    -> ("1","PT. Perkecapan","Surabaya","0812319239"),
    -> ("2","PT. Perbumbuan","Minangkabau","08123123123"),
    -> ("3","PT. Perbukuan","Lombok","0893123123"),
    -> ("4","PT. Tambang Raya","Batu Licin","08321931203"),
    -> ("5","PT. Percetakan","Medan","08961238123"),
    -> ("6","PT. Pertanian","Bandung","0812312331"),
    -> ("7","PT. Perikanan","Papua","0812391233"),
    -> ("8","PT. Snack","Palangka Raya","08912312331");
Query OK, 8 rows affected (0.153 sec)
```

Insert into pembelian values
('ABC', '1', '1', '2022-07-05', 2000, 100, 200000),
('ABD', '2', '2', '2022-07-05', 1500, 100, 150000),
('ABE', '3', '3', '2022-07-05', 3000, 100, 300000),
('ABF', '4', '4', '2022-07-05', 500, 100, 50000),
('ABG', '5', '5', '2022-07-05', 1000, 100, 100000),
('ABH', '6', '6', '2022-07-05', 2000, 100, 200000),
('ABI', '7', '7', '2022-07-05', 2000, 100, 200000),
('ABJ', '8', '8', '2022-07-05', 200, 100, 20000);

```
MariaDB [Market_2010010517]> Insert into pembelian values
    -> ('ABC', '1', '1', '2022-07-05', 2000, 100, 200000),
    -> ('ABD', '2', '2', '2022-07-05', 1500, 100, 150000),
    -> ('ABE', '3', '3', '2022-07-05', 3000, 100, 300000),
    -> ('ABF', '4', '4', '2022-07-05', 500, 100, 50000),
    -> ('ABG', '5', '5', '2022-07-05', 1000, 100, 100000),
    -> ('ABH', '6', '6', '2022-07-05', 2000, 100, 200000),
    -> ('ABI', '7', '7', '2022-07-05', 2000, 100, 200000),
    -> ('ABJ', '8', '8', '2022-07-05', 200, 100, 20000);
Query OK, 8 rows affected (0.008 sec)
Records: 8  Duplicates: 0  Warnings: 0

MariaDB [Market_2010010517]>
```

Insert into Penjualan values
('ABC1', '1', '1', '2022-07-05', 4000, 50, 200000),
('ABC2', '2', '2', '2022-07-05', 3000, 50, 150000),
('ABC3', '3', '3', '2022-07-05', 5000, 50, 250000),
('ABC4', '4', '4', '2022-07-05', 1000, 50, 50000),
('ABC5', '5', '5', '2022-07-05', 2000,50,100000),
('ABC6', '6', '6', '2022-07-05', 5000, 50, 250000),
('ABC7', '7', '7', '2022-07-05', 5000, 50, 250000),
('ABC8', '8', '8', '2022-07-05', 500, 50,25000);

```
MariaDB [Market_2010010517]> Insert into Penjualan values
    -> ('ABC1', '1', '1', '2022-07-05', 4000, 50, 200000),
    -> ('ABC2', '2', '2', '2022-07-05', 3000, 50, 150000),
    -> ('ABC3', '3', '3', '2022-07-05', 5000, 50, 250000),
    -> ('ABC4', '4', '4', '2022-07-05', 1000, 50, 50000),
    -> ('ABC5', '5', '5', '2022-07-05', 2000,50,100000),
    -> ('ABC6', '6', '6', '2022-07-05', 5000, 50, 250000),
    -> ('ABC7', '7', '7', '2022-07-05', 5000, 50, 250000),
    -> ('ABC8', '8', '8', '2022-07-05', 500, 50,25000);
Query OK, 8 rows affected (0.002 sec)
Records: 8  Duplicates: 0  Warnings: 0
```

6. Perintah menampilkan data table Penjualan:

select * from penjualan;

```
MariaDB [Market_2010010517]> select * from penjualan;
+-----------+-------------+-----------+------------+------------+--------+-------------+
| No_faktur | Kd_Pelanggan | Id_barang | Tgl_Jual  | Harga_Jual | Jumlah | Total_Harga |
+-----------+-------------+-----------+------------+------------+--------+-------------+
| ABC1      | 1           | 1         | 2022-07-05 |       4000 |     50 |      200000 |
| ABC2      | 2           | 2         | 2022-07-05 |       3000 |     50 |      150000 |
| ABC3      | 3           | 3         | 2022-07-05 |       5000 |     50 |      250000 |
| ABC4      | 4           | 4         | 2022-07-05 |       1000 |     50 |       50000 |
| ABC5      | 5           | 5         | 2022-07-05 |       2000 |     50 |      100000 |
| ABC6      | 6           | 6         | 2022-07-05 |       5000 |     50 |      250000 |
| ABC7      | 7           | 7         | 2022-07-05 |       5000 |     50 |      250000 |
| ABC8      | 8           | 8         | 2022-07-05 |        500 |     50 |       25000 |
+-----------+-------------+-----------+------------+------------+--------+-------------+
8 rows in set (0.001 sec)
```

7. Perintah menampilkan data table Barang:

select * from barang;

```
MariaDB [Market_2010010517]> select * from barang;
+-----------+-------------+-----------+------------+-----------+------+
| Id_barang | Nama_barang | Kd_Jenis  | Harga_Jual | Harga_Beli | Stok |
+-----------+-------------+-----------+------------+-----------+------+
| 1         | Aqua        | Air Minum |       4000 |      2000 |  100 |
| 2         | Leminerale  | Air Minum |       3000 |      1500 |  100 |
| 3         | Proof       | Air Minum |       5000 |      3000 |  100 |
| 4         | Superstar   | Snack     |       1000 |       500 |  100 |
| 5         | Chitato     | Snack     |       2000 |      1000 |  100 |
| 6         | Saori       | Bumbu     |       5000 |      2000 |  100 |
| 7         | Ajinomoto   | Bumbu     |       5000 |      2000 |  100 |
| 8         | Royco       | Bumbu     |        500 |       200 |  100 |
+-----------+-------------+-----------+------------+-----------+------+
8 rows in set (0.001 sec)
```

8. Perintah menampilkan data table Pembelian:

select * from pembelian;

```
MariaDB [Market_2010010517]> select * from pembelian;
+-----------+-------------+-----------+------------+-----------+--------+-------------+
| No_faktur | Kd_Supplier | Id_barang | Tgl_beli  | Harga_Beli | Jumlah | Total_Harga |
+-----------+-------------+-----------+------------+-----------+--------+-------------+
| ABC       | 1           | 1         | 2022-07-05 |      2000 |    100 |      200000 |
| ABD       | 2           | 2         | 2022-07-05 |      1500 |    100 |      150000 |
| ABE       | 3           | 3         | 2022-07-05 |      3000 |    100 |      300000 |
| ABF       | 4           | 4         | 2022-07-05 |       500 |    100 |       50000 |
| ABG       | 5           | 5         | 2022-07-05 |      1000 |    100 |      100000 |
| ABH       | 6           | 6         | 2022-07-05 |      2000 |    100 |      200000 |
| ABI       | 7           | 7         | 2022-07-05 |      2000 |    100 |      200000 |
| ABJ       | 8           | 8         | 2022-07-05 |       200 |    100 |       20000 |
+-----------+-------------+-----------+------------+-----------+--------+-------------+
8 rows in set (0.007 sec)
```

9.Perintah menampilkan data table Supplier:

select * from supplier;

```
MariaDB [Market_2010010517]> select * from supplier;
+-------------+----------------+--------------+-------------+
| Kd_Supplier | Nm_Supplier    | Alamat       | No_telp     |
+-------------+----------------+--------------+-------------+
| 1           | PT. Perkecapan | Surabaya     | 0812319239  |
| 2           | PT. Perbumbuan | Minangkabau  | 08123123123 |
| 3           | PT. Perbukuan  | Lombok       | 0893123123  |
| 4           | PT. Tambang Raya | Batu Licin | 08321931203 |
| 5           | PT. Percetakan | Medan        | 08961238123 |
| 6           | PT. Pertanian  | Bandung      | 0812312331  |
| 7           | PT. Perikanan  | Papua        | 0812391233  |
| 8           | PT. Snack      | Palangka Raya | 08912312331 |
+-------------+----------------+--------------+-------------+
8 rows in set (0.001 sec)
```

10. Perintah menampilkan data table Pelanggan:

select * from pelanggan;

```
MariaDB [Market_2010010517]> select * from pelanggan;
+--------------+--------------+-------------+-------------+
| Kd_Pelanggan | Nm_Pelanggan | Alamat      | No_telp     |
+--------------+--------------+-------------+-------------+
| 1            | Mina         | Jl. Pahlawan | 081235802490 |
| 2            | Arif         | Jl. Pramuka  | 08123575435 |
| 3            | Ale          | Jl. Veteran  | 08123585663 |
| 4            | Ehlija       | Jl. Sekolah  | 081286432689 |
| 5            | Santo        | Jl. Luar     | 0856702490  |
| 6            | Mira         | Jl. Dalam    | 08126783905 |
| 7            | Amat         | Jl. Luas     | 089635290689 |
| 8            | Hani         | Jl. Sempit   | 08634389380 |
+--------------+--------------+-------------+-------------+
8 rows in set (0.001 sec)
```

11. Mengganti Nama field Total Harga Menjadi Harga Keseluruhan

Alter table Penjualan change Total_Harga Harga_Keseluruhan double;

```
MariaDB [Market_2010010517]> Alter table Penjualan change Total_Harga Harga_Keseluruhan double;
Query OK, 0 rows affected (0.021 sec)
Records: 0  Duplicates: 0  Warnings: 0

MariaDB [Market_2010010517]> select * from penjualan;
+-----------+-------------+-----------+------------+-----------+--------+------------------+
| No_faktur | Kd_Pelanggan | Id_barang | Tgl_Jual  | Harga_Jual | Jumlah | Harga_Keseluruhan |
+-----------+-------------+-----------+------------+-----------+--------+------------------+
| ABC1      | 1           | 1         | 2022-07-05 |      4000 |     50 |           200000 |
| ABC2      | 2           | 2         | 2022-07-05 |      3000 |     50 |           150000 |
| ABC3      | 3           | 3         | 2022-07-05 |      5000 |     50 |           250000 |
| ABC4      | 4           | 4         | 2022-07-05 |      1000 |     50 |            50000 |
| ABC5      | 5           | 5         | 2022-07-05 |      2000 |     50 |           100000 |
| ABC6      | 6           | 6         | 2022-07-05 |      5000 |     50 |           250000 |
| ABC7      | 7           | 7         | 2022-07-05 |      5000 |     50 |           250000 |
| ABC8      | 8           | 8         | 2022-07-05 |       500 |     50 |            25000 |
+-----------+-------------+-----------+------------+-----------+--------+------------------+
8 rows in set (0.001 sec)
```

12. Menampilkan isi Data 3 Field, Kecuali No. Telpon (T. Supplier)

select kd_supplier, nm_supplier, alamat from supplier;

```
MariaDB [Market_2010010517]> select kd_supplier, nm_supplier, alamat from supplier;
+-------------+------------------+---------------+
| kd_supplier | nm_supplier      | alamat        |
+-------------+------------------+---------------+
| 1           | PT. Perkecapan   | Surabaya      |
| 2           | PT. Perbumbuan   | Minangkabau   |
| 3           | PT. Perbukuan    | Lombok        |
| 4           | PT. Tambang Raya | Batu Licin    |
| 5           | PT. Percetakan   | Medan         |
| 6           | PT. Pertanian    | Bandung       |
| 7           | PT. Perikanan    | Papua         |
| 8           | PT. Snack        | Palangka Raya |
+-------------+------------------+---------------+
8 rows in set (0.001 sec)

MariaDB [Market_2010010517]>
```

13. Menambahkan 1 record pada table Pembelian

Insert into pembelian values
('ABK', '1', '1', '2022-07-05', 2000, 100, 200000);

```
MariaDB [Market_2010010517]> Insert into pembelian values
    -> ('ABK', '1', '1', '2022-07-05', 2000, 100, 200000);
Query OK, 1 row affected (0.012 sec)

MariaDB [Market_2010010517]>
```

14. Menghapus table Pelanggan

Drop table pelanggan

```
MariaDB [Market_2010010517]> drop table pelanggan;
Query OK, 0 rows affected (0.015 sec)

MariaDB [Market_2010010517]>
```

15. Menghapus data stok pada table barang (data no.3)

Delete from barang where id_barang = 3;

```
MariaDB [Market_2010010517]> Delete from barang where id_barang = 3;
Query OK, 1 row affected (0.003 sec)

MariaDB [Market_2010010517]>
MariaDB [Market_2010010517]> select * from barang;
+-----------+--------------+-----------+------------+-----------+------+
| Id_barang | Nama_barang  | Kd_Jenis  | Harga_Jual | Harga_Beli | Stok |
+-----------+--------------+-----------+------------+-----------+------+
| 1         | Aqua         | Air Minum |      4000 |      2000 |  100 |
| 2         | Leminerale   | Air Minum |      3000 |      1500 |  100 |
| 4         | Superstar    | Snack     |      1000 |       500 |  100 |
| 5         | Chitato      | Snack     |      2000 |      1000 |  100 |
| 6         | Saori        | Bumbu     |      5000 |      2000 |  100 |
| 7         | Ajinomoto    | Bumbu     |      5000 |      2000 |  100 |
| 8         | Royco        | Bumbu     |       500 |       200 |  100 |
+-----------+--------------+-----------+------------+-----------+------+
7 rows in set (0.001 sec)
```