

❖ Trigger database untuk proses update Stok

1. Pembuatan table produk untuk database orderentry

```
MariaDB [(none)]> use db_orderentry;
Database changed
MariaDB [db_orderentry]> select * from produk;
```

prod_id	vend_id	prod_name	prod_price	prod_desc
tnt1	101	mouse	30000	NULL
tnt2	102	keyboard	150000	NULL
tnt3	103	layar	500000	NULL

```
3 rows in set (0.000 sec)
```

2. Pembuatan table produk_hapus sebagai proses untuk trigger

```
MariaDB [db_orderentry]> create table produk_hapus as select * from produk where 1=2;
Query OK, 0 rows affected (0.016 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [db_orderentry]> desc produk_hapus;
```

Field	Type	Null	Key	Default	Extra
prod_id	varchar(10)	NO		NULL	
vend_id	char(4)	NO		NULL	
prod_name	varchar(25)	NO		NULL	
prod_price	int(11)	NO		NULL	
prod_desc	varchar(255)	YES		NULL	

```
5 rows in set (0.004 sec)
```

3. Penambahan kolom tgl_hapus dan user pada table produk hapus

```
MariaDB [db_orderentry]> alter table produk_hapus add (tgl_hapus date NULL, user varchar (30) NULL);
Query OK, 0 rows affected (0.009 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [db_orderentry]> desc produk_hapus;
```

Field	Type	Null	Key	Default	Extra
prod_id	varchar(10)	NO		NULL	
vend_id	char(4)	NO		NULL	
prod_name	varchar(25)	NO		NULL	
prod_price	int(11)	NO		NULL	
prod_desc	varchar(255)	YES		NULL	
tgl_hapus	date	YES		NULL	
user	varchar(30)	YES		NULL	

```
7 rows in set (0.004 sec)
```

4. Pembuatan proses trigger

```
MariaDB [db_orderentry]> create trigger hapus_barang after delete on produk for each row
-> begin
-> insert into produk_hapus set
-> prod_id = old.prod_id,
-> vend_id = old.vend_id,
-> prod_name = old.prod_name,
-> prod_price = old.prod_price,
-> prod_desc = old.prod_desc,
-> tgl_hapus = NOW(),
-> user = CURRENT_USER;
-> end //
Query OK, 0 rows affected (0.009 sec)

MariaDB [db_orderentry]> delimiter ;
```

5. Hasil trigger

```
MariaDB [db_orderentry]> delete from produk where prod_id='tnt3';
Query OK, 1 row affected (0.005 sec)

MariaDB [db_orderentry]> select * from produk_hapus;
+-----+-----+-----+-----+-----+-----+-----+
| prod_id | vend_id | prod_name | prod_price | prod_desc | tgl_hapus | user          |
+-----+-----+-----+-----+-----+-----+-----+
| tnt3    | 103     | layar    | 500000    | NULL      | 2022-05-10 | root@localhost |
+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.000 sec)
```