

1. Buat TRIGGER dibawah ini :

```
create trigger tr_au_buku
->     after update
->     on buku
->     for each row
->     begin
->     declare isbn char(13);
->     declare judul varchar(75);
->     declare idpenerbit char(4);
->     declare tglterbit date;
->     declare jmlhalaman int;
->     declare deskripsi text;
->     declare harga decimal(10,0);
->     if new.buku_isbn is null then
->     set isbn=old.buku_isbn;
->     else
->     set isbn = new.buku_isbn;
->     end if;
->     if new.buku_judul is null then
->     set judul=old_buku_judul;
->     else
->     set judul = new.buku_judul;
->     end if;
->     if new.penerbit_id is null then
->     set idpenerbit = old.penerbit_id;
->     else
->     set idpenerbit = old.penerbit_id;
->     end if;
->     if new.buku_tglterbit is null then
->     set tglterbit = old.buku_tglterbit;
->     else
->     set tglterbit = new.buku_tglterbit;
->     end if;
->     if new.buku_jmlhalaman is null then
->     set jmlhalaman = old.buku_jmlhalaman;
->     else
->     set jmlhalaman = new.buku_jmlhalaman;
->     end if;
->     if new.buku_deskripsi is null then
->     set deskripsi = old.buku_deskripsi;
->     else
->     set deskripsi = new.buku_deskripsi;
->     end if;
->     if new.buku_harga is null then
->     set harga = old.buku_harga;
->     else
->     set harga = new.buku_harga;
->     end if;
->     insert into histori_buku values (
->     isbn,
->     judul,
->     idpenerbit,
->     tglterbit,
->     jmlhalaman,
->     deskripsi,
->     harga,
->     'UPDATE',
->     NOW() );
->     END $$
```

2. Buat Trigger dibawah ini :

```
create trigger tr_ad_buku
-> after delete
-> on buku
-> for each row
-> begin
-> insert into histori_buku values (
-> old.buku_isbn,
-> old.buku_judul,
-> old.penerbit_id,
-> old.buku_tglterbit,
-> old.buku_jmlhalaman,
-> old.buku_deskripsi,
-> old.buku_harga,
-> 'DELETE',
-> NOW()
-> );
-> END$$
```

3. Jalankan perintah dibawah ini, kemudian tampilkan data histori buku :

a. Update Data

```
> update buku
-> set penerbit_id='PB05',
-> buku_jmlhalaman = 254,
-> buku_harga = 64000
-> where
-> buku_isbn = '999-11555-2-2';
-> $$
```

b. Hapus Data

```
delete from buku where buku_isbn = '999-11555-2-2'$$
```