**PROJECT AKHIR SYSTEM MANAGEMENT DATABASE**

**DATABASE BAKUL ORIGINAL**



Dosen Pembimbing :

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**PROGRAM STUDI TEKNIK INFORMATIKA S1**

**FAKULTAS TEKNIK**

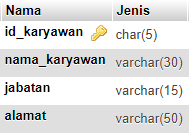
**UNIVERSITAS MUHAMMADIYAH MAGELANG**

1. **Perancangan Database**

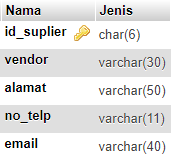
Dalam project akhir ini kita membuat database untuk salah satu toko hardwear dan footwear yang terkenal dikalangan anak muda di Magelang, alamatnya berada di Jl. Lettu Sugiarno KM 1, Growong, Pucungrejo, Kec. Muntilan, Kab. Magelang.

* **Struktur Tabel**

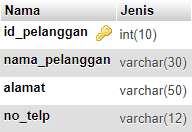
Tabel Karyawan



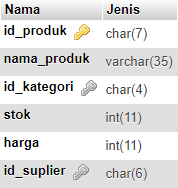
Tabel Suplier



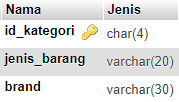
Tabel Pelanggan



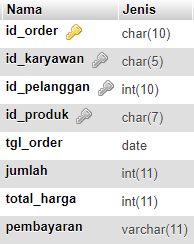
Tabel Produk



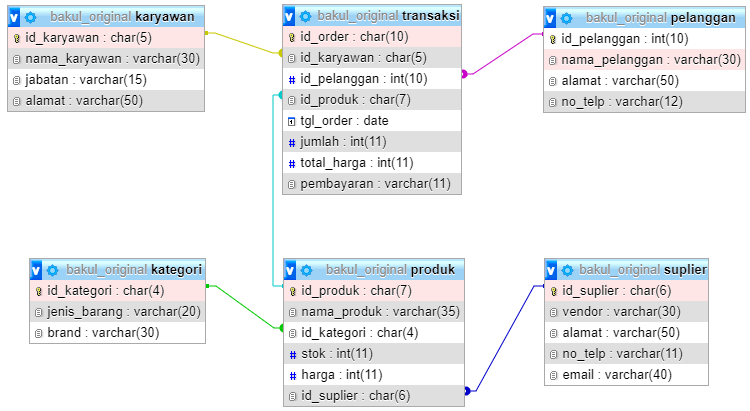
Tabel Kategori



Tabel Transaksi



* **Relasi**

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* Tabel utama : karyawan

Tabel kedua : transaksi

Relationship : one to many (1:N)

Atribut penghubung : id\_karyawan (FK id\_karyawan di tabel order)

* Tabel utama : pelanggan

Tabel kedua : transaksi

Relationship : one to many (1:N)

Atribut penghubung : id\_pelanggan (FK id\_pelanggan di tabel order)

* Tabel utama : produk

Tabel kedua : transaksi

Relationship : one to many (1:N)

Atribut penghubung : id\_produk (FK id\_produk di tabel order)

* Tabel utama : kategori

Tabel kedua : produk

Relationship : one to many (1:N)

Atribut penghubung : id\_kategori (FK id\_kategori di tabel produk)

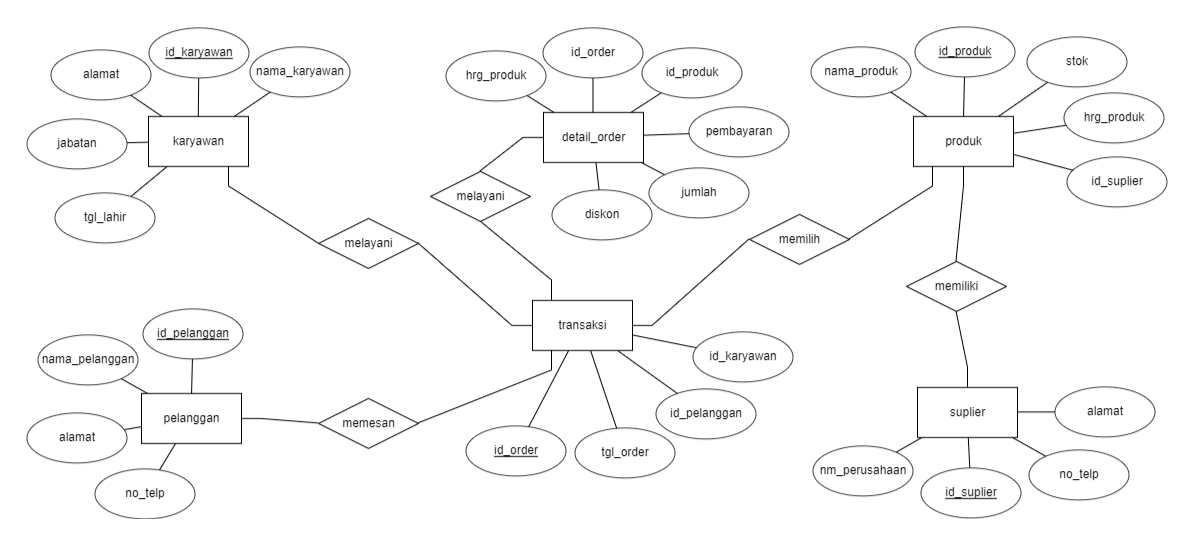
* Tabel utama : suplier

Tabel kedua : produk

Relationship : one to many (1:N)

Atribut penghubung : id\_suplier (FK id\_suplier di tabel produk)

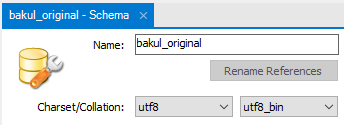
* **ERD**

****

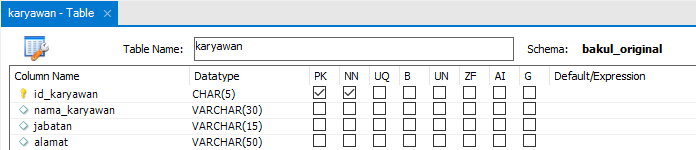
1. **Membuat Database**

* **Membuat tabel dengan MySQL Workbench CE**

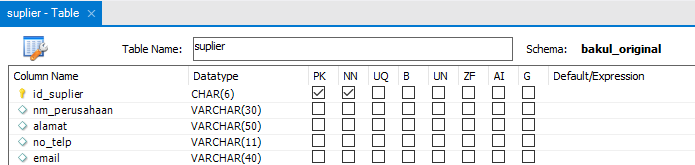
Buat database baru (bakul\_original)



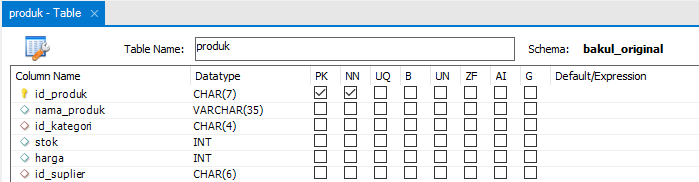
Buat tabel karyawan



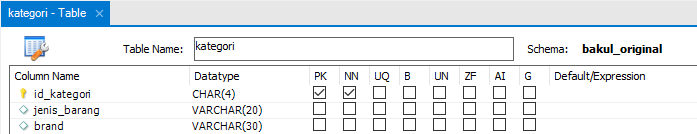
Buat tabel suplier



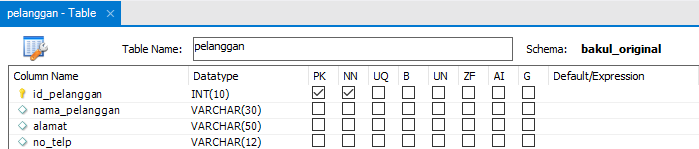
Buat tabel produk



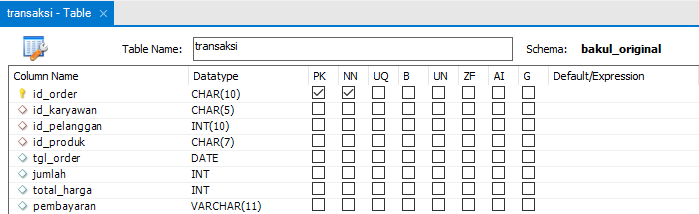
Buat tabel kategori



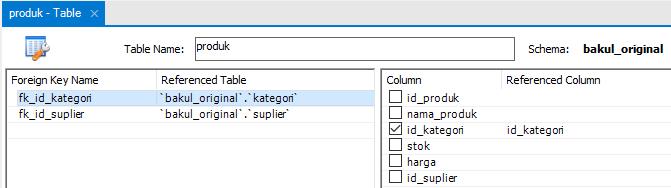
Buat tabel pelanggan

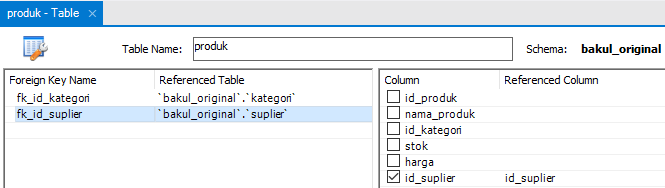


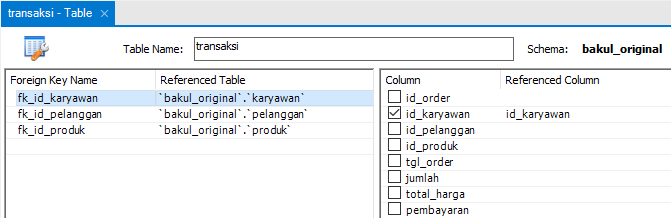
Buat tabel transaksi

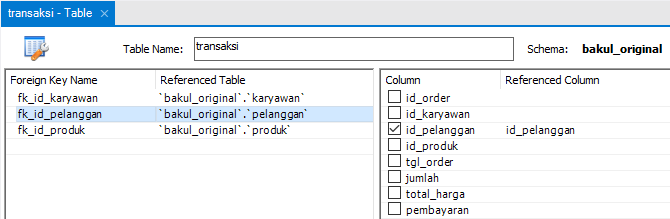


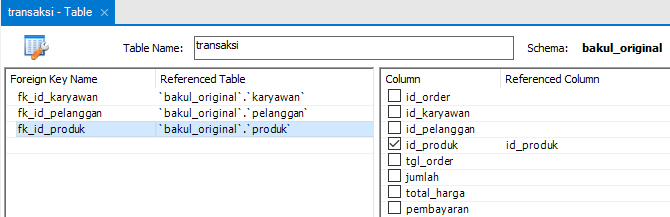
* **Membuat relasi antar tabel (Foreign Key)**







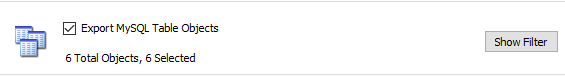


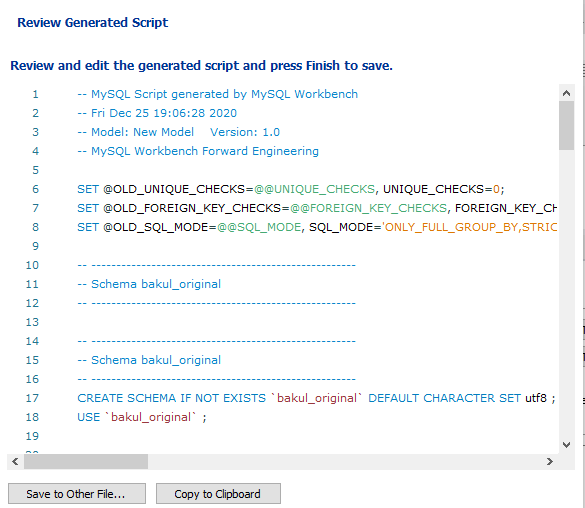


* **Export menjadi script sql**









* **Dumb database ke PhpmyAdmin**

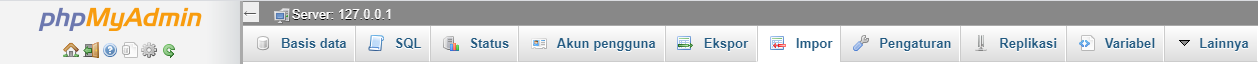
Hidupkan control panel xampp



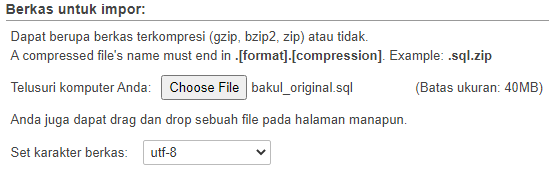
Masuk ke localhost/phpmyadmin



Klik tab impor

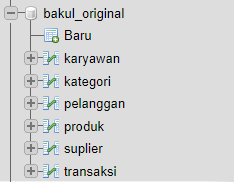


Masukkan file sql



Kemudian klik kirim

Jika berhasil maka database kita sudah terlihat seperti berikut



* **Mengisi data dummy**

Contoh mengisikan data melalui phpmyadmin





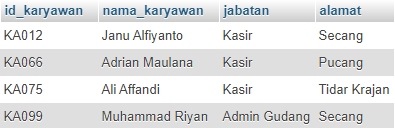
Isikan datanya

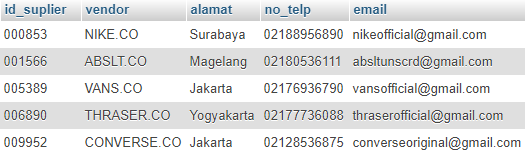




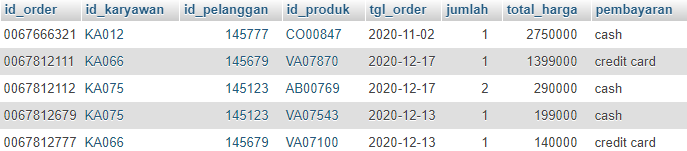
Kemudian klik kirim

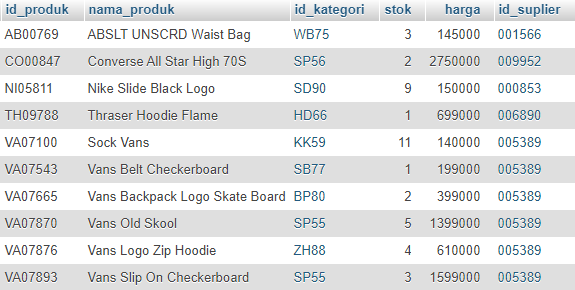
Berikut data-data yang sudah kami inputkan ke masing-masing tabel













1. **Demo Query**

* **Nested Query**



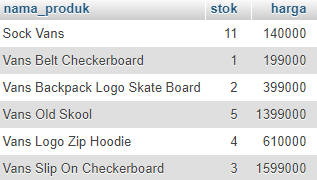




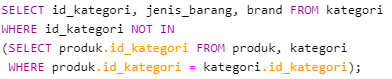


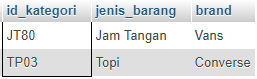
* **Subquery baris tunggal**



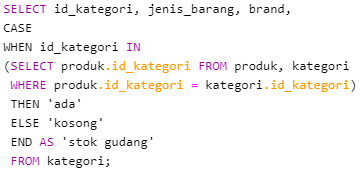


* **Subquery baris berganda**



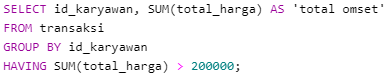


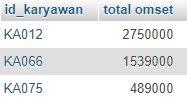
* **Subquery scalar**





* **Subquery pada klausa HAVING**





* **Natural join**

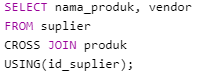








* **Cross join**





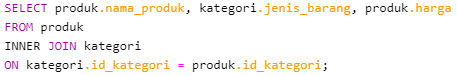








* **Inner & Outer join**





* **Union**

