Studi Kasus:

Apotek Seger Waras ingin merubah model pembukuannya dengan komputerisasi maka diperlukan sebuah program yang dapat menampung data penjualan tersebut. Berikut ini adalah alur proses transaksi dalam apotek tersebut.

**Transaksi pembelian**

Pembeli datang ke apotek dilayani oleh karyawan, karyawan mengecek stok obat dan apabila terdapat obat yang diinginkan maka stok obat berkurang dan karyawan mencatat no kuitansi, pembeli memperoleh obat dan kuitansi.

**ERD Apotek**

1

M

Karyawan

Pembeli

Dilayani

**Rancangan Tabel**

**Tabel Pembeli:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Field | Type | Size | Null | Index |
| 1 | No\_nota\_pembeli | Varchar | 8 | N | Primary Key |
| 2 | Nama\_pembeli | Varchar | 30 | Y |  |
| 3 | Total | Number | 11 |  |  |

**Tabel Obat:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Field | Type | Size | Null | Index |
| 1 | Kode\_obat | Varchar | 8 | N | Primary Key |
| 2 | Nama\_obat | Varchar | 30 | N |  |
| 3 | Jenis\_obat | Varchar | 8 | N |  |
| 4 | Keluhan | Varchar | 50 | N |  |

**Tabel Karyawan:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Field | Type | Size | Null | Index |
| 1 | Nik | Varchar | 8 | N | Primary Key |
| 2 | Nama\_karyawan | Varchar | 30 | N |  |
| 3 | Alamat\_karyawan | Varchar | 50 | N |  |
| 4 | Bagian | Varchar | 10 | Y |  |

**Tabel Banyak:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Field | Type | Size | Null | Index |
| 1 | No\_nota | Varchar | 8 | N | Foreign Key |
| 2 | Kode\_obat | Varchar | 8 | N | Foreign Key |
| 3 | Banyaknya | Number | 9 | N |  |
| 4 | Sub\_total | Number | 9 |  |  |

**Tabel Login:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Field | Type | Size | Null | Index |
| 1 | Nik | Varchar | 8 | N | Foreign Key |
| 2 | Username | Varchar | 20 | N | Primary Key |
| 3 | Password | Number | 8 | N |  |

**Tabel Stok:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Field | Type | Size | Null | Index |
| 1 | Kode\_obat | Varchar | 8 | N | Foreign Key |
| 2 | Stok | Number | 9 | N |  |
| 3 | Harga | Number | 9 | N |  |

**Perancangan SQL**

**DDL (Data Definition Language)**

**Relasi Tabel**

**Pengisian Tabel**

**DML (Data Manipulation Language)**