**KLINIK**

**LAPORAN FINAL PROJECT MATA KULIAH PEMROGRAMAN BASIS DATA [ST116]**

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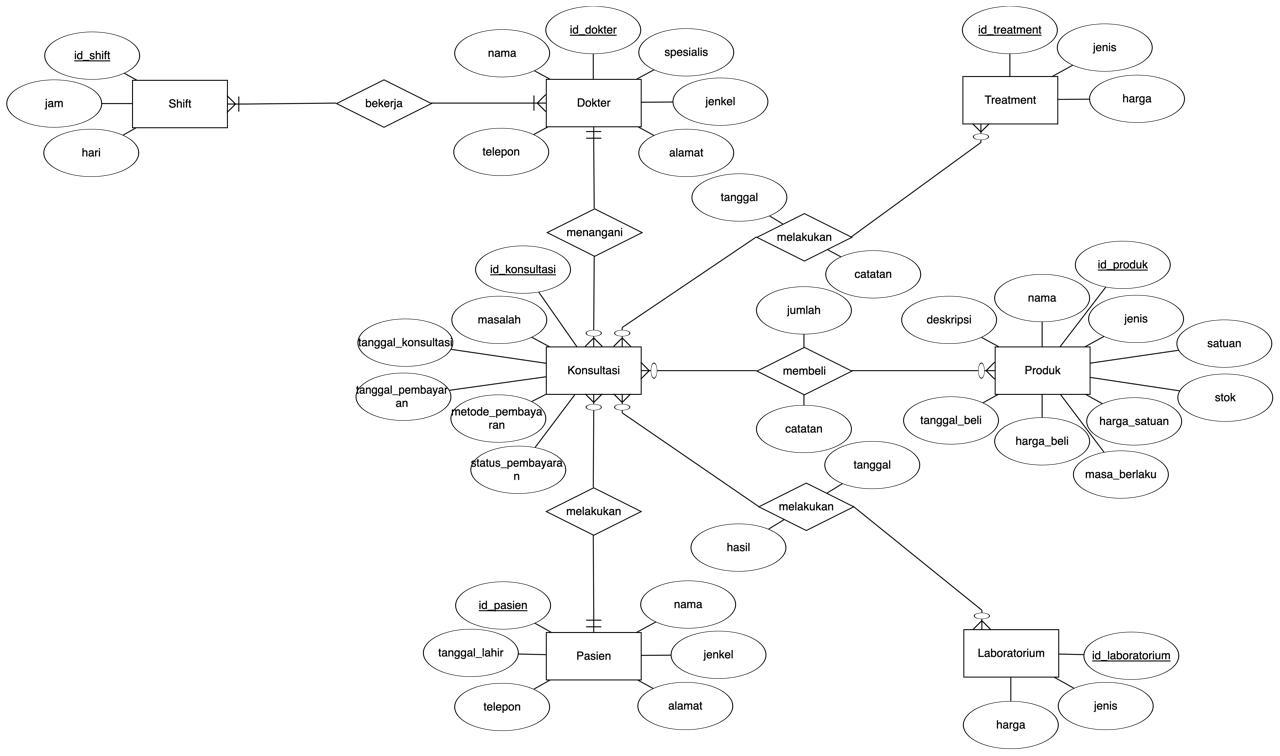
KELAS :

22 INFORMATIKA 10 & 13

**FAKULTAS ILMU KOMPUTER**

**UNIVERSITAS AMIKOM YOGYAKARTA 2024**

1. **ERD**

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1. **Detail Tabel**

* Konsultasi
* id\_konsultasi (PK)
* masalah
* tanggal\_konsultasi
* metode\_pembayaran
* status\_pembayaran
* tanggal\_pembayaran
* id\_dokter (FK)
* id\_pasien (FK)
* Pasien
* id\_pasien (PK)
* nama
* tanggal\_lahir
* jenkel
* telepon
* alamat
* Dokter
* id\_dokter (PK)
* nama
* spesialis
* jenkel
* telepon
* alamat
* Shift
* id\_shift (PK)
* hari
* jam
* Shift\_Dokter
* id\_dokter (FK)
* id\_shift (FK)
* Treatment
* id\_treatment (PK)
* jenis
* harga
* Konsultasi\_Treatment
* id\_treatment (FK)
* id\_konsultasi (FK)
* catatan
* tanggal
* Laboratorium
* id\_laboratorium (PK)
* jenis
* harga
* Konsultasi\_Laboratorium
* id\_laboratorium (FK)
* id\_konsultasi (FK)
* hasil
* tanggal
* Produk
* id\_produk (PK)
* nama
* deskripsi
* jenis
* satuan
* harga\_satuan
* harga\_beli
* tanggal\_beli
* masa\_berlaku
* stok
* Konsultasi\_Produk
* id\_produk (FK)
* id\_konsultasi (FK)
* jumlah
* catatan

1. **DDL**
   * + 1. **Membuat table Dokter**

CREATE TABLE `Dokter` (

`id\_dokter` int(11) NOT NULL,

`nama` varchar(100) NOT NULL,

`spesialis` varchar(100) NOT NULL,

`jenkel` enum('P','L') NOT NULL,

`telepon` varchar(20) DEFAULT NULL,

`alamat` text DEFAULT NULL

);

ALTER TABLE `Dokter`

ADD PRIMARY KEY (`id\_dokter`);

MODIFY `id\_dokter` int(11) NOT NULL AUTO\_INCREMENT, AUTO\_INCREMENT=14;

* + - 1. **Membuat table Konsultasi**

CREATE TABLE `Konsultasi` (

`id\_konsultasi` int(11) NOT NULL,

`masalah` varchar(255) DEFAULT NULL,

`tanggal\_konsultasi` datetime NOT NULL,

`tanggal\_pembayaran` datetime DEFAULT NULL,

`metode\_pembayaran` enum('CASH','DEBIT','QRIS') DEFAULT NULL,

`status\_pembayaran` enum('LUNAS','BELUM LUNAS') NOT NULL DEFAULT 'BELUM LUNAS',

`id\_dokter` int(11) NOT NULL,

`id\_pasien` int(11) NOT NULL

);

ALTER TABLE `Konsultasi`

ADD PRIMARY KEY (`id\_konsultasi`),

ADD KEY `id\_pasien` (`id\_pasien`),

ADD KEY `id\_dokter` (`id\_dokter`);

MODIFY `id\_konsultasi` int(11) NOT NULL AUTO\_INCREMENT, AUTO\_INCREMENT=21;

ADD CONSTRAINT `konsultasi\_ibfk\_1` FOREIGN KEY (`id\_pasien`) REFERENCES `Pasien` (`id\_pasien`),

ADD CONSTRAINT `konsultasi\_ibfk\_2` FOREIGN KEY (`id\_dokter`) REFERENCES `Dokter` (`id\_dokter`);

* + - 1. **Membuat table Konsultasi\_Laboratorium**

CREATE TABLE `Konsultasi\_Laboratorium` (

`id\_laboratorium` int(11) DEFAULT NULL,

`id\_konsultasi` int(11) DEFAULT NULL,

`hasil` text DEFAULT NULL,

`tanggal` datetime NOT NULL

);

ALTER TABLE `Konsultasi\_Laboratorium`

ADD KEY `id\_laboratorium` (`id\_laboratorium`),

ADD KEY `id\_konsultasi` (`id\_konsultasi`);

MODIFY `id\_laboratorium` int(11) NOT NULL AUTO\_INCREMENT, AUTO\_INCREMENT=16;

ADD CONSTRAINT `konsultasi\_laboratorium\_ibfk\_1` FOREIGN KEY (`id\_laboratorium`) REFERENCES `Laboratorium` (`id\_laboratorium`) ON DELETE CASCADE,

ADD CONSTRAINT `konsultasi\_laboratorium\_ibfk\_2` FOREIGN KEY (`id\_konsultasi`) REFERENCES `Konsultasi` (`id\_konsultasi`) ON DELETE CASCADE;

* + - 1. **Membuat table Konsultasi\_Produk**

CREATE TABLE `Konsultasi\_Produk` (

`id\_produk` int(11) DEFAULT NULL,

`id\_konsultasi` int(11) DEFAULT NULL,

`jumlah` int(11) NOT NULL,

`catatan` varchar(255) DEFAULT NULL

);

ALTER TABLE `Konsultasi\_Produk`

ADD KEY `id\_produk` (`id\_produk`),

ADD KEY `id\_konsultasi` (`id\_konsultasi`);

ADD CONSTRAINT `konsultasi\_produk\_ibfk\_1` FOREIGN KEY (`id\_produk`) REFERENCES `Produk` (`id\_produk`),

ADD CONSTRAINT `konsultasi\_produk\_ibfk\_2` FOREIGN KEY (`id\_konsultasi`) REFERENCES `Konsultasi` (`id\_konsultasi`);

* + - 1. **Membuat table Konsultasi\_Treatment**

CREATE TABLE `Konsultasi\_Treatment` (

`id\_treatment` int(11) DEFAULT NULL,

`id\_konsultasi` int(11) DEFAULT NULL,

`catatan` text DEFAULT NULL,

`tanggal` datetime NOT NULL

);

ALTER TABLE `Konsultasi\_Treatment`

ADD KEY `id\_treatment` (`id\_treatment`),

ADD KEY `id\_konsultasi` (`id\_konsultasi`);

ADD CONSTRAINT `konsultasi\_treatment\_ibfk\_1` FOREIGN KEY (`id\_treatment`) REFERENCES `Treatment` (`id\_treatment`),

ADD CONSTRAINT `konsultasi\_treatment\_ibfk\_2` FOREIGN KEY (`id\_konsultasi`) REFERENCES `Konsultasi` (`id\_konsultasi`);

* + - 1. **Membuat table Laboratorium**

CREATE TABLE `Laboratorium` (

`id\_laboratorium` int(11) NOT NULL,

`jenis` varchar(100) NOT NULL,

`harga` decimal(10,2) NOT NULL

);

ALTER TABLE `Laboratorium`

ADD PRIMARY KEY (`id\_laboratorium`);

* + - 1. **Membuat table Pasien**

CREATE TABLE `Pasien` (

`id\_pasien` int(11) NOT NULL,

`nama` varchar(100) NOT NULL,

`tanggal\_lahir` date NOT NULL,

`jenkel` enum('P','L') NOT NULL,

`telepon` varchar(20) DEFAULT NULL,

`alamat` text DEFAULT NULL

);

ALTER TABLE `Pasien`

ADD PRIMARY KEY (`id\_pasien`);

MODIFY `id\_pasien` int(11) NOT NULL AUTO\_INCREMENT, AUTO\_INCREMENT=26;

* + - 1. **Membuat table Produk**

CREATE TABLE `Produk` (

`id\_produk` int(11) NOT NULL,

`nama` varchar(100) NOT NULL,

`deskripsi` text DEFAULT NULL,

`jenis` enum('Obat','Alat Medis','Bahan Habis Pakai','Suplemen','Lainnya') NOT NULL,

`satuan` varchar(100) NOT NULL,

`harga\_satuan` decimal(10,2) NOT NULL,

`harga\_beli` decimal(10,2) NOT NULL,

`tanggal\_beli` date NOT NULL,

`masa\_berlaku` date DEFAULT NULL,

`stok` int(11) NOT NULL DEFAULT 0

);

ALTER TABLE `Produk`

ADD PRIMARY KEY (`id\_produk`);

MODIFY `id\_produk` int(11) NOT NULL AUTO\_INCREMENT, AUTO\_INCREMENT=40;

* + - 1. **Membuat table Shift**

CREATE TABLE `Shift` (

`id\_shift` int(11) NOT NULL,

`hari` enum('senin','selasa','rabu','kamis','jumat','sabtu','minggu') NOT NULL,

`jam` enum('00:00-08:00','08:00-16:00','16:00-00:00') NOT NULL

);

ALTER TABLE `Shift`

ADD PRIMARY KEY (`id\_shift`);

MODIFY `id\_shift` int(11) NOT NULL AUTO\_INCREMENT, AUTO\_INCREMENT=22;

* + - 1. **Membuat table Shift\_Dokter**

CREATE TABLE `Shift\_Dokter` (

`id\_dokter` int(11) NOT NULL,

`id\_shift` int(11) NOT NULL

);

ALTER TABLE `Shift\_Dokter`

ADD KEY `id\_dokter` (`id\_dokter`),

ADD KEY `id\_shift` (`id\_shift`);

* + - 1. **Membuat table Treatment**

CREATE TABLE `Treatment` (

`id\_treatment` int(11) NOT NULL,

`jenis` varchar(100) NOT NULL,

`harga` decimal(10,2) NOT NULL

);

ALTER TABLE `Treatment`

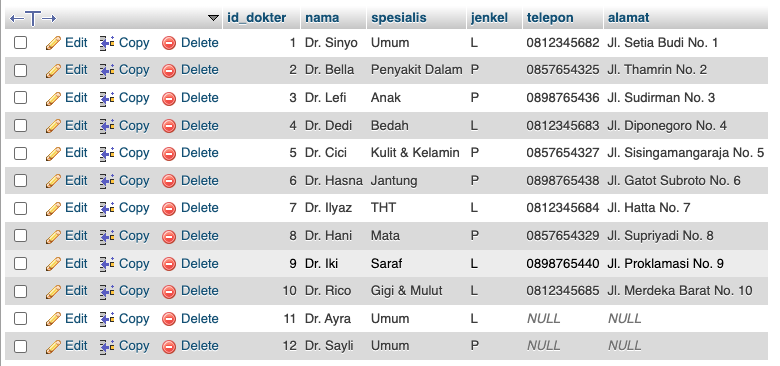
ADD PRIMARY KEY (`id\_treatment`);

MODIFY `id\_treatment` int(11) NOT NULL AUTO\_INCREMENT, AUTO\_INCREMENT=16;

ADD CONSTRAINT `shift\_dokter\_ibfk\_1` FOREIGN KEY (`id\_dokter`) REFERENCES `Dokter` (`id\_dokter`),

ADD CONSTRAINT `shift\_dokter\_ibfk\_2` FOREIGN KEY (`id\_shift`) REFERENCES `Shift` (`id\_shift`);

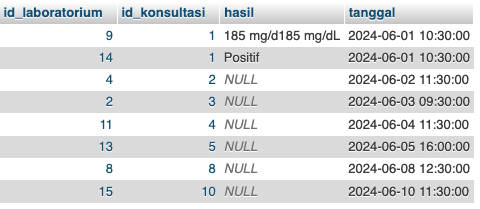
1. **Metadata**
2. **Table Dokter**



1. **Table Konsultasi**

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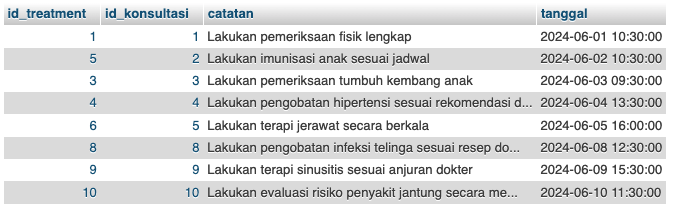
1. **Table Konsultasi\_Laboratorium**

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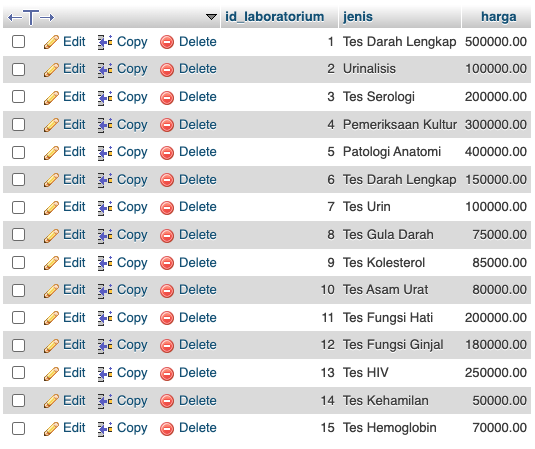
1. **Table Konsultasi\_Produk**

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1. **Table Konsultasi\_Treatment**

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1. **Table Laboratorium**

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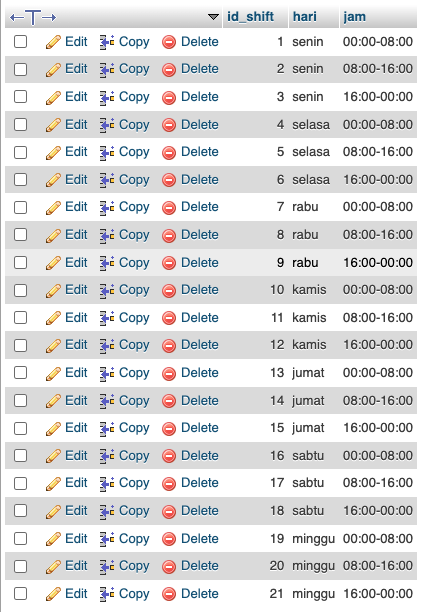
1. **Table Pasien**

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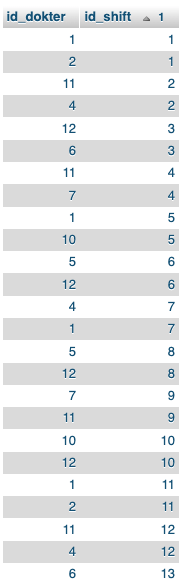
1. **Table Produk**

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1. **Table Shift**

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1. **Table Shift\_Dokter**

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1. **Table Treatment**

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