

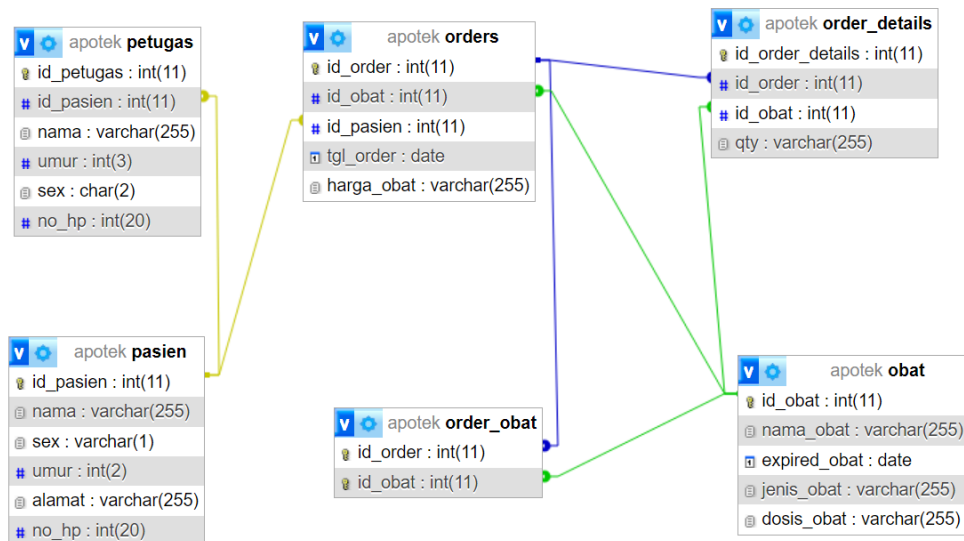
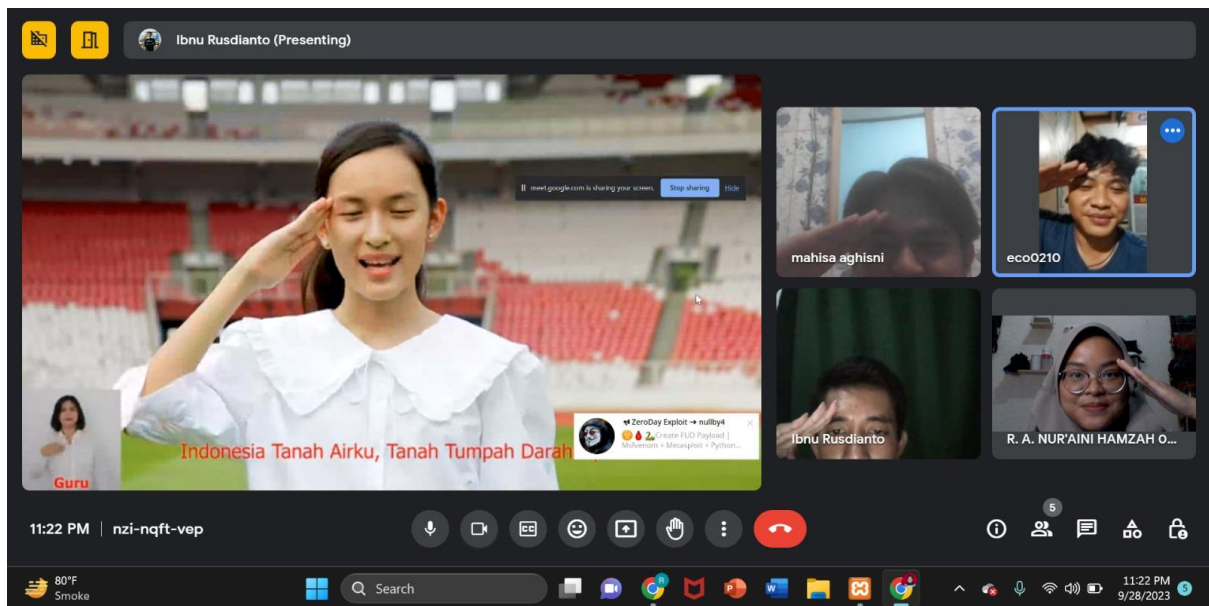
Kelompok :1

Nama : Ibnu Rusdianto

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Anggota :

1. R.A. Nur'aini Hamzah
2. Eko Agung Prasetyo
3. Ahmad Saifullah
4. Ibnu Rusdianto



```

-- MySQL Workbench Full Dump
-- Version 5.2.12
-- http://www.mysqlworkbench.com/
--
-- Host: 127.0.0.1
-- Generation Date: Tue 16 Jul 2013 at 02:33:06
-- Database: testdb
-- Schema: testdb
--
SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
START TRANSACTION;
SET time_zone = "+00:00";

--
-- Database: testdb
--
--
-- Table structure for table `obst`
--
CREATE TABLE `obst` (
  `id_obst` int(11) NOT NULL,
  `name_obst` varchar(255) NOT NULL,
  `expired_obst` date NOT NULL,
  `price_obst` varchar(255) NOT NULL,
  `weight_obst` varchar(255) NOT NULL,
  ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;

--
-- Table structure for table `orders`
--
CREATE TABLE `orders` (
  `id_order` int(11) NOT NULL,
  `id_obst` int(11) NOT NULL,
  `id_patient` int(11) NOT NULL,
  `id_order_obst` date NOT NULL,
  `weight_obst` varchar(255) NOT NULL,
  ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;

--
-- Table structure for table `order_details`
--
CREATE TABLE `order_details` (
  `id_order_details` int(11) NOT NULL,
  `id_order` int(11) NOT NULL,
  `id_obst` int(11) NOT NULL,
  `qty` varchar(255) NOT NULL,
  ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;

--
-- Table structure for table `order_obst`
--
CREATE TABLE `order_obst` (
  `id_order` int(11) NOT NULL,
  `id_obst` int(11) NOT NULL,
  ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;

--
-- Table structure for table `patient`
--
CREATE TABLE `patient` (
  `id_patient` int(11) NOT NULL,
  `name` varchar(255) NOT NULL,
  `sex` varchar(11) NOT NULL,
  `age` int(11) NOT NULL,
  `allergy` varchar(255) NOT NULL,
  `no_bp` int(11) NOT NULL,
  ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;

--
-- Table structure for table `petugas`
--
CREATE TABLE `petugas` (
  `id_petugas` int(11) NOT NULL,
  `id_patient` int(11) NOT NULL,
  `name` varchar(255) NOT NULL,
  `umur` int(11) NOT NULL,
  `sex` char(1) NOT NULL,
  `no_bp` int(11) NOT NULL,
  ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;

--
-- Indexes for dumped tables
--
--
-- Indexes for table `obst`
ALTER TABLE `obst`
  ADD PRIMARY KEY (`id_obst`);

--
-- Indexes for table `orders`
ALTER TABLE `orders`
  ADD PRIMARY KEY (`id_order`),
  ADD KEY `fk_order_patient` (`id_patient`),
  ADD KEY `fk_order_obst` (`id_obst`);

--
-- Indexes for table `order_details`
ALTER TABLE `order_details`
  ADD PRIMARY KEY (`id_order_details`),
  ADD KEY `fk_order_order_details` (`id_order`),
  ADD KEY `fk_order_obst` (`id_obst`);

--
-- Indexes for table `order_obst`
ALTER TABLE `order_obst`
  ADD PRIMARY KEY (`id_order`,`id_obst`),
  ADD KEY `id_obst` (`id_obst`);

--
-- Indexes for table `patient`
ALTER TABLE `patient`
  ADD PRIMARY KEY (`id_patient`);

--
-- Indexes for table `petugas`
ALTER TABLE `petugas`
  ADD PRIMARY KEY (`id_petugas`),
  ADD KEY `fk_petugas_patient` (`id_patient`);

--
-- AUTO INCREMENT for dumped tables
--
--
-- AUTO INCREMENT for table `obst`
ALTER TABLE `obst`
  MODIFY `id_obst` int(11) NOT NULL AUTO_INCREMENT;

--
-- AUTO INCREMENT for table `orders`
ALTER TABLE `orders`
  MODIFY `id_order` int(11) NOT NULL AUTO_INCREMENT;

--
-- AUTO INCREMENT for table `order_details`
ALTER TABLE `order_details`
  MODIFY `id_order_details` int(11) NOT NULL AUTO_INCREMENT;

--
-- AUTO INCREMENT for table `patient`
ALTER TABLE `patient`
  MODIFY `id_patient` int(11) NOT NULL AUTO_INCREMENT;

--
-- AUTO INCREMENT for table `petugas`
ALTER TABLE `petugas`
  MODIFY `id_petugas` int(11) NOT NULL AUTO_INCREMENT;

--
-- Constraints for dumped tables
--
--
-- Constraints for table `orders`
ALTER TABLE `orders`
  ADD CONSTRAINT `fk_order_obst` FOREIGN KEY (`id_obst`) REFERENCES `obst` (`id_obst`),
  ADD CONSTRAINT `fk_order_patient` FOREIGN KEY (`id_patient`) REFERENCES `patient` (`id_patient`);

--
-- Constraints for table `order_details`
ALTER TABLE `order_details`
  ADD CONSTRAINT `fk_order_obst` FOREIGN KEY (`id_obst`) REFERENCES `obst` (`id_obst`),
  ADD CONSTRAINT `fk_order_order_details` FOREIGN KEY (`id_order`) REFERENCES `orders` (`id_order`);

--
-- Constraints for table `order_obst`
ALTER TABLE `order_obst`
  ADD CONSTRAINT `order_obst_ibfk_1` FOREIGN KEY (`id_order`) REFERENCES `orders` (`id_order`),
  ADD CONSTRAINT `order_obst_ibfk_2` FOREIGN KEY (`id_obst`) REFERENCES `obst` (`id_obst`);

--
-- Constraints for table `petugas`
ALTER TABLE `petugas`
  ADD CONSTRAINT `fk_petugas_patient` FOREIGN KEY (`id_patient`) REFERENCES `patient` (`id_patient`) ON DELETE NO ACTION;

--
-- MySQL Workbench Full Dump
-- Version 5.2.12
-- http://www.mysqlworkbench.com/
--
-- Host: 127.0.0.1
-- Generation Date: Tue 16 Jul 2013 at 02:33:06
-- Database: testdb
-- Schema: testdb
--
SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
START TRANSACTION;
SET time_zone = "+00:00";

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-- Database: testdb
--
--
-- Table structure for table `obst`
--
CREATE TABLE `obst` (
  `id_obst` int(11) NOT NULL,
  `name_obst` varchar(255) NOT NULL,
  `expired_obst` date NOT NULL,
  `price_obst` varchar(255) NOT NULL,
  `weight_obst` varchar(255) NOT NULL,
  ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;

--
-- Table structure for table `orders`
--
CREATE TABLE `orders` (
  `id_order` int(11) NOT NULL,
  `id_obst` int(11) NOT NULL,
  `id_patient` int(11) NOT NULL,
  `id_order_obst` date NOT NULL,
  `weight_obst` varchar(255) NOT NULL,
  ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;

--
-- Table structure for table `order_details`
--
CREATE TABLE `order_details` (
  `id_order_details` int(11) NOT NULL,
  `id_order` int(11) NOT NULL,
  `id_obst` int(11) NOT NULL,
  `qty` varchar(255) NOT NULL,
  ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;

--
-- Table structure for table `order_obst`
--
CREATE TABLE `order_obst` (
  `id_order` int(11) NOT NULL,
  `id_obst` int(11) NOT NULL,
  ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;

--
-- Table structure for table `patient`
--
CREATE TABLE `patient` (
  `id_patient` int(11) NOT NULL,
  `name` varchar(255) NOT NULL,
  `sex` varchar(11) NOT NULL,
  `age` int(11) NOT NULL,
  `allergy` varchar(255) NOT NULL,
  `no_bp` int(11) NOT NULL,
  ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;

--
-- Table structure for table `petugas`
--
CREATE TABLE `petugas` (
  `id_petugas` int(11) NOT NULL,
  `id_patient` int(11) NOT NULL,
  `name` varchar(255) NOT NULL,
  `umur` int(11) NOT NULL,
  `sex` char(1) NOT NULL,
  `no_bp` int(11) NOT NULL,
  ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;

--
-- Indexes for dumped tables
--
--
-- Indexes for table `obst`
ALTER TABLE `obst`
  ADD PRIMARY KEY (`id_obst`);

--
-- Indexes for table `orders`
ALTER TABLE `orders`
  ADD PRIMARY KEY (`id_order`),
  ADD KEY `fk_order_patient` (`id_patient`),
  ADD KEY `fk_order_obst` (`id_obst`);

--
-- Indexes for table `order_details`
ALTER TABLE `order_details`
  ADD PRIMARY KEY (`id_order_details`),
  ADD KEY `fk_order_order_details` (`id_order`),
  ADD KEY `fk_order_obst` (`id_obst`);

--
-- Indexes for table `order_obst`
ALTER TABLE `order_obst`
  ADD PRIMARY KEY (`id_order`,`id_obst`),
  ADD KEY `id_obst` (`id_obst`);

--
-- Indexes for table `patient`
ALTER TABLE `patient`
  ADD PRIMARY KEY (`id_patient`);

--
-- Indexes for table `petugas`
ALTER TABLE `petugas`
  ADD PRIMARY KEY (`id_petugas`),
  ADD KEY `fk_petugas_patient` (`id_patient`);

--
-- AUTO INCREMENT for dumped tables
--
--
-- AUTO INCREMENT for table `obst`
ALTER TABLE `obst`
  MODIFY `id_obst` int(11) NOT NULL AUTO_INCREMENT;

--
-- AUTO INCREMENT for table `orders`
ALTER TABLE `orders`
  MODIFY `id_order` int(11) NOT NULL AUTO_INCREMENT;

--
-- AUTO INCREMENT for table `order_details`
ALTER TABLE `order_details`
  MODIFY `id_order_details` int(11) NOT NULL AUTO_INCREMENT;

--
-- AUTO INCREMENT for table `patient`
ALTER TABLE `patient`
  MODIFY `id_patient` int(11) NOT NULL AUTO_INCREMENT;

--
-- AUTO INCREMENT for table `petugas`
ALTER TABLE `petugas`
  MODIFY `id_petugas` int(11) NOT NULL AUTO_INCREMENT;

--
-- Constraints for dumped tables
--
--
-- Constraints for table `orders`
ALTER TABLE `orders`
  ADD CONSTRAINT `fk_order_obst` FOREIGN KEY (`id_obst`) REFERENCES `obst` (`id_obst`),
  ADD CONSTRAINT `fk_order_patient` FOREIGN KEY (`id_patient`) REFERENCES `patient` (`id_patient`);

--
-- Constraints for table `order_details`
ALTER TABLE `order_details`
  ADD CONSTRAINT `fk_order_obst` FOREIGN KEY (`id_obst`) REFERENCES `obst` (`id_obst`),
  ADD CONSTRAINT `fk_order_order_details` FOREIGN KEY (`id_order`) REFERENCES `orders` (`id_order`);

--
-- Constraints for table `order_obst`
ALTER TABLE `order_obst`
  ADD CONSTRAINT `order_obst_ibfk_1` FOREIGN KEY (`id_order`) REFERENCES `orders` (`id_order`),
  ADD CONSTRAINT `order_obst_ibfk_2` FOREIGN KEY (`id_obst`) REFERENCES `obst` (`id_obst`);

--
-- Constraints for table `petugas`
ALTER TABLE `petugas`
  ADD CONSTRAINT `fk_petugas_patient` FOREIGN KEY (`id_patient`) REFERENCES `patient` (`id_patient`) ON DELETE NO ACTION;

```

Download file .sql (apotek.db) : [apotek.sql](#)

Tabel yang penting dalam relasi :

1. Petugas -> Pasien  
one-to-one
2. Orders  
one-to-many dengan tabel pasien  
many-to-many dengan tabel obat melalui tabel order\_obat
3. Order\_details  
one-to-many dengan tabel orders  
one-to-many dengan tabel obat

Tabel orders memiliki hubungan one-to-many dengan tabel pasien. Karena mempunyai id\_pasien dalam tabel orders, yang berfungsi sebagai foreign key yang merujuk ke id\_pasien dalam tabel pasien. satu pasien dapat memiliki banyak order, namun setiap order hanya dimiliki oleh satu pasien.

Tabel orders memiliki hubungan many-to-many dengan tabel obat melalui tabel order\_obat. Lalu pada id\_obat dalam tabel orders berperan sebagai foreign key yang merujuk ke id\_obat dalam tabel obat. Kami menambahkan tabel penghubung yaitu tabel order\_obat jadi satu order dapat terhubung dengan beberapa jenis obat sekaligus

Tabel order\_details memiliki hubungan one-to-many dengan tabel orders. melalui kolom id\_order dalam tabel order\_details, yang berfungsi sebagai foreign key yang merujuk ke id\_order dalam tabel orders. Jadi satu order dapat memiliki banyak detail order, namun setiap detail order hanya dimiliki oleh satu order.

Tabel order\_details memiliki hubungan one-to-many dengan tabel obat. melalui kolom id\_obat dalam tabel order\_details, foreign key yang merujuk ke id\_obat dalam tabel obat. Jadi satu detail order dapat terkait dengan satu obat, namun satu obat dapat memiliki banyak detail order terkait.

Tabel petugas memiliki hubungan one-to-one dengan tabel pasien. melalui kolom id\_pasien dalam tabel petugas, yang berfungsi sebagai foreign key yang merujuk ke id\_pasien dalam tabel pasien. Jadi tiap petugas memiliki tanggung jawab dan keterkaitan yang khusus dengan satu pasien.