Latihan Soal

Poliklinik

I. Database Poliklinik

- Membuat Database

CREATE DATABASE POLIKLINIK;

- Membuat Tabel

CREATE TABLE SPESIALISASI(

Kode\_Spesial CHAR(5) NOT NULL,

Spesialis VARCHAR(25) NOT NULL

PRIMARY KEY (Kode\_Spesial),

CONSTRAINT Check\_Spesial CHECK(

Kode\_Spesial LIKE 'SP[0-9][0-9][0-9]'

)

);

CREATE TABLE DOKTER(

Id\_Dokter CHAR(5) NOT NULL,

Nama\_Depan VARCHAR(15) NOT NULL,

Nama\_Belakang VARCHAR(15),

Spesialis CHAR(5),

Alamat VARCHAR(50) NOT NULL,

No\_Telepon VARCHAR(15),

Tarif NUMERIC(10,2) NOT NULL,

PRIMARY KEY(Id\_Dokter),

FOREIGN KEY(Spesialis) REFERENCES SPESIALISASI(Kode\_Spesial) ON UPDATE CASCADE ON DELETE CASCADE,

CONSTRAINT Check\_Id\_Dokter CHECK(

Id\_Dokter LIKE 'DR[0-9][0-9][0-9]'

)

);

CREATE TABLE PASIEN(

Id\_Pasien CHAR(5) NOT NULL,

Nama\_Depan VARCHAR(15) NOT NULL,

Nama\_Belakang VARCHAR(15),

Gender CHAR(1) NOT NULL,

Alamat VARCHAR(50),

No\_Telepon VARCHAR(15),

Umur INT,

PRIMARY KEY(Id\_Pasien),

CONSTRAINT Check\_Pasien CHECK(

Id\_Pasien LIKE 'P[0-9][0-9][0-9][0-9]' AND

(Gender LIKE 'L' OR Gender LIKE 'P')

)

);

CREATE TABLE RESEP(

Id\_Resep CHAR(10) NOT NULL,

Pasien\_Id CHAR(5) NOT NULL,

Dokter\_Id CHAR(5) NOT NULL,

Tanggal DATE NOT NULL,

Harga NUMERIC(10,2),

PRIMARY KEY(Id\_Resep),

FOREIGN KEY(Pasien\_Id) REFERENCES PASIEN(Id\_Pasien) ON UPDATE CASCADE ON DELETE CASCADE,

FOREIGN KEY(Dokter\_Id) REFERENCES DOKTER(Id\_Dokter) ON UPDATE CASCADE ON DELETE CASCADE,

CONSTRAINT Check\_Id\_Resep CHECK(

Id\_Resep LIKE 'R[0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9][0-9]'

)

);

CREATE TABLE KATEGORI\_OBAT(

Id\_Kategori CHAR(5) NOT NULL,

Kategori VARCHAR(20) NOT NULL,

PRIMARY KEY(Id\_Kategori),

CONSTRAINT Check\_Id\_Kategori CHECK(

Id\_Kategori LIKE 'OK[0-9][0-9][0-9]'

)

);

CREATE TABLE OBAT(

Id\_Obat CHAR(5) NOT NULL,

Nama\_Obat VARCHAR(25) NOT NULL,

Harga\_Satuan NUMERIC(10,2) NOT NULL,

Kategori CHAR(5),

PRIMARY KEY(Id\_Obat),

FOREIGN KEY(Kategori) REFERENCES KATEGORI\_OBAT(Id\_Kategori) ON UPDATE CASCADE ON DELETE CASCADE,

CONSTRAINT Check\_Id\_Obat CHECK(

Id\_Obat LIKE 'OB[0-9][0-9][0-9]'

)

);

CREATE TABLE DETAIL\_OBAT(

Id\_Obat CHAR(5) NOT NULL,

Id\_Resep CHAR(10) NOT NULL,

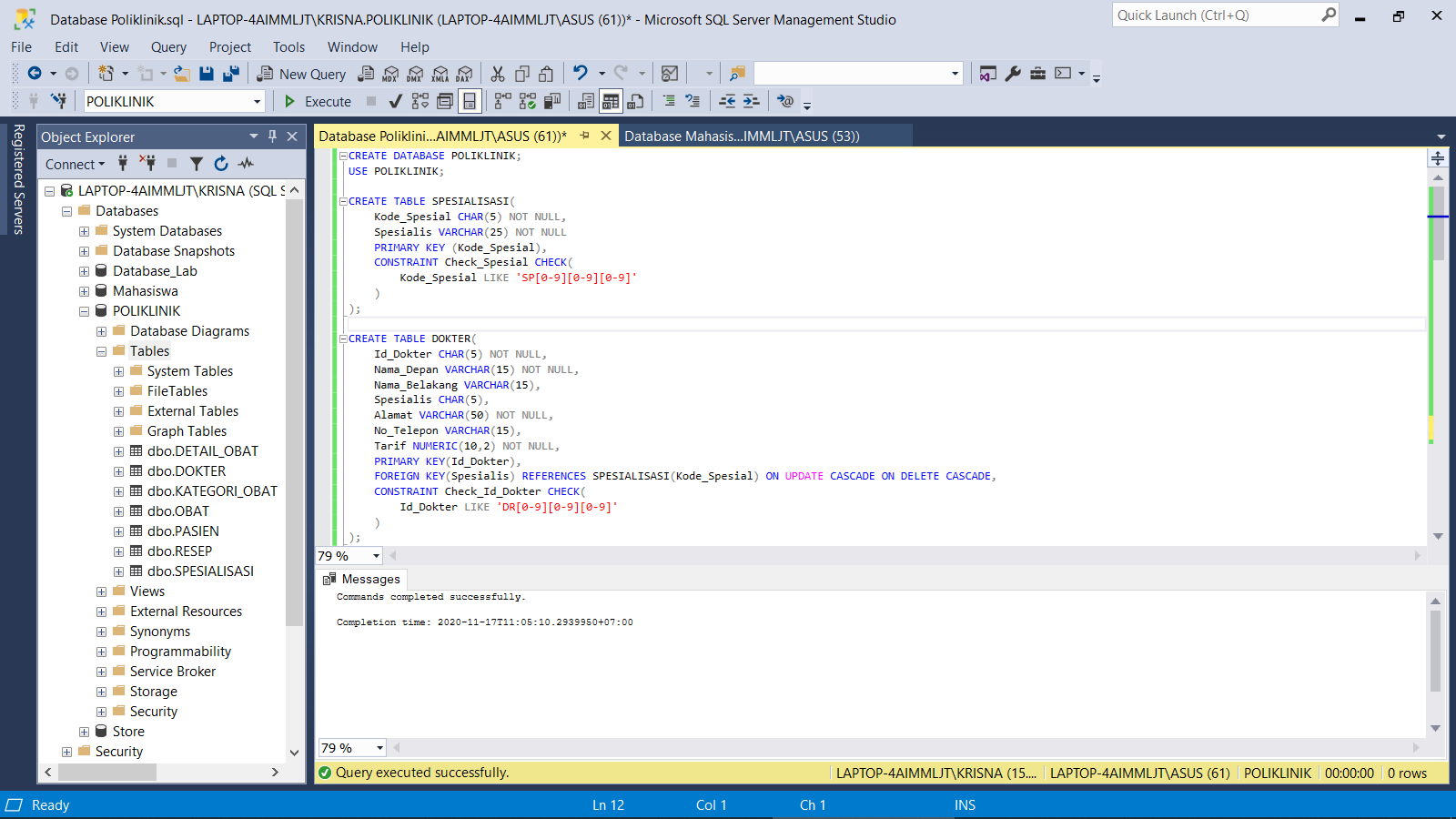
Jumlah INT NOT NULL,

PRIMARY KEY(Id\_Obat, Id\_Resep),

FOREIGN KEY(Id\_Obat) REFERENCES OBAT(Id\_Obat) ON UPDATE CASCADE ON DELETE CASCADE,

FOREIGN KEY(Id\_Resep) REFERENCES RESEP(Id\_Resep) ON UPDATE CASCADE ON DELETE CASCADE

);



- Insert Tabel

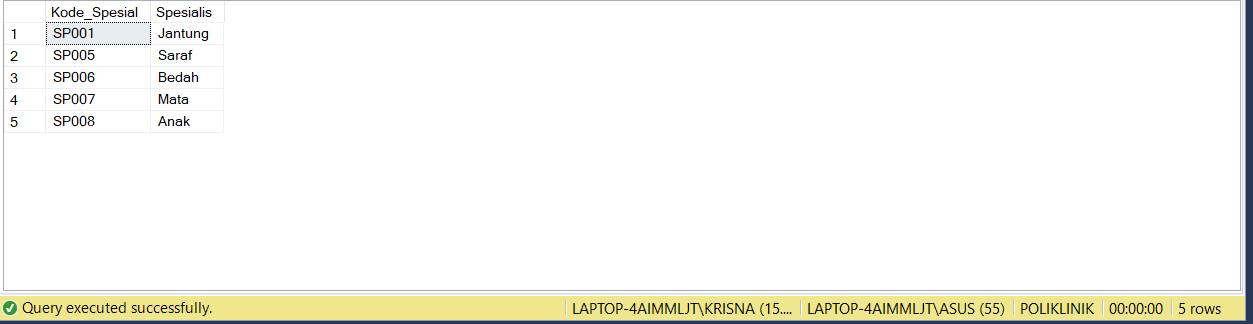
INSERT INTO SPESIALISASI

VALUES ('SP001','Jantung'),

('SP006','Bedah'),

('SP005','Saraf'),

('SP007','Mata'),

 ('SP008','Anak');

INSERT INTO DOKTER

VALUES ('DR001','Syaiful','Anwar','SP001','Jakarta Pusat','+6281111222','150000'),

('DR003','Edi','Harto','SP006','Bogor','+6221211321','200000'),

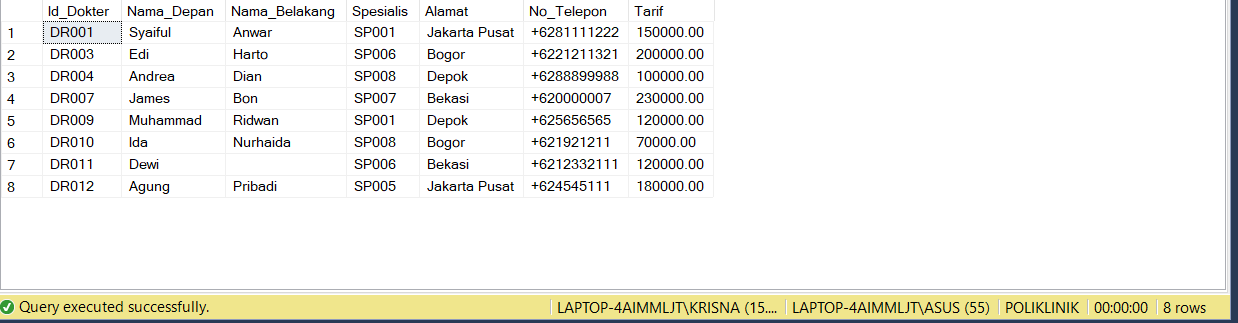
('DR004','Andrea','Dian','SP008','Depok','+6288899988','100000'),

('DR011','Dewi','','SP006','Bekasi','+6212332111','120000'),

('DR009','Muhammad','Ridwan','SP001','Depok','+625656565','120000'),

('DR012','Agung','Pribadi','SP005','Jakarta Pusat','+624545111','180000'),

('DR007','James','Bon','SP007','Bekasi','+620000007','230000'),

 ('DR010','Ida','Nurhaida','SP008','Bogor','+621921211','70000');

INSERT INTO PASIEN

VALUES ('P0001','Ubet','','L','Bandung','+6282222123','21'),

('P0003','Juju','Jubaidah','P','Cimahi','','70'),

('P0002','Bon','Kurei','L','Bogor','','45'),

('P0005','Arya','Stak','P','Jakarta','+628989898','6'),

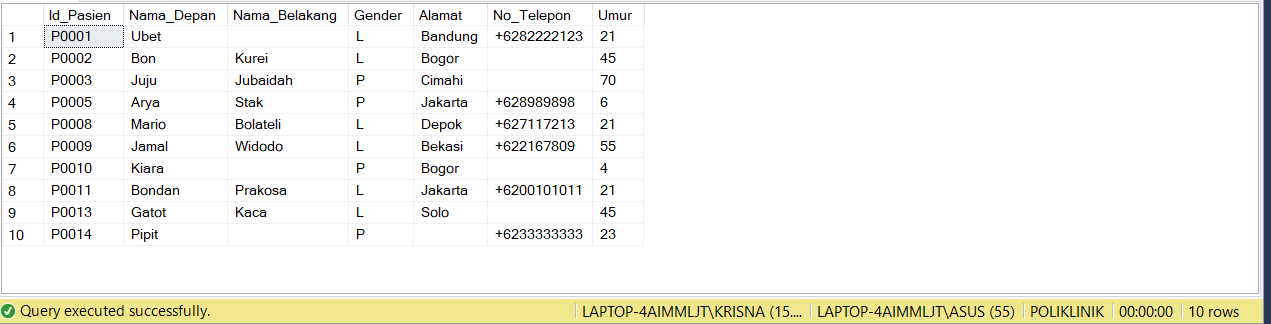
('P0008','Mario','Bolateli','L','Depok','+627117213','21'),

('P0009','Jamal','Widodo','L','Bekasi','+622167809','55'),

('P0010','Kiara','','P','Bogor','','4'),

('P0011','Bondan','Prakosa','L','Jakarta','+6200101011','21'),

('P0013','Gatot','Kaca','L','Solo','','45'),

 ('P0014','Pipit','','P','','+6233333333','23');

INSERT INTO RESEP

VALUES ('R250115001','P0001','DR011','2015/1/25',NULL),

('R250115002','P0009','DR001','2015/1/25',NULL),

('R260115001','P0008','DR007','2015/1/26',NULL),

('R270115001','P0014','DR003','2015/1/27',NULL),

('R300115001','P0010','DR010','2015/1/30',NULL),

('R300115002','P0013','DR003','2015/1/30',NULL),

('R010215001','P0009','DR001','2015/2/1',NULL),

('R010215002','P0003','DR009','2015/2/1',NULL),

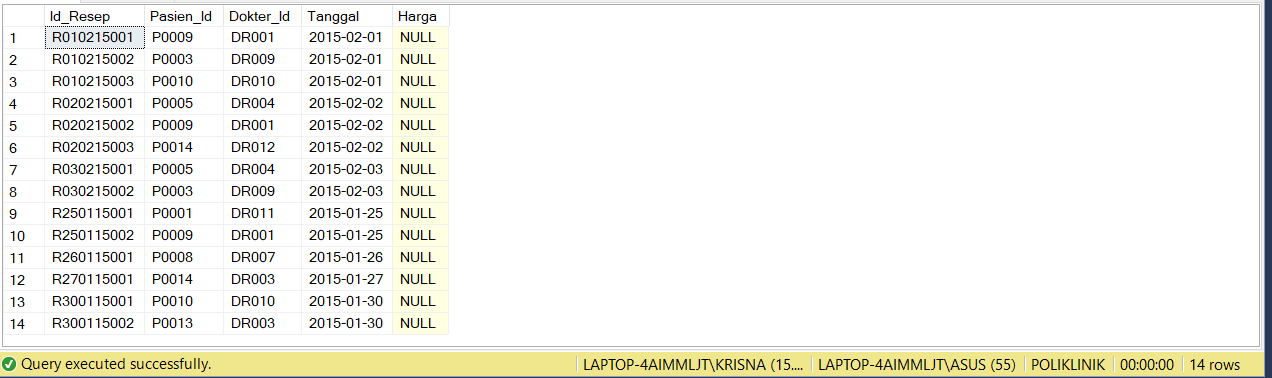
('R010215003','P0010','DR010','2015/2/1',NULL),

('R020215001','P0005','DR004','2015/2/2',NULL),

('R020215002','P0009','DR001','2015/2/2',NULL),

('R020215003','P0014','DR012','2015/2/2',NULL),

('R030215001','P0005','DR004','2015/2/3',NULL),

 ('R030215002','P0003','DR009','2015/2/3',NULL);

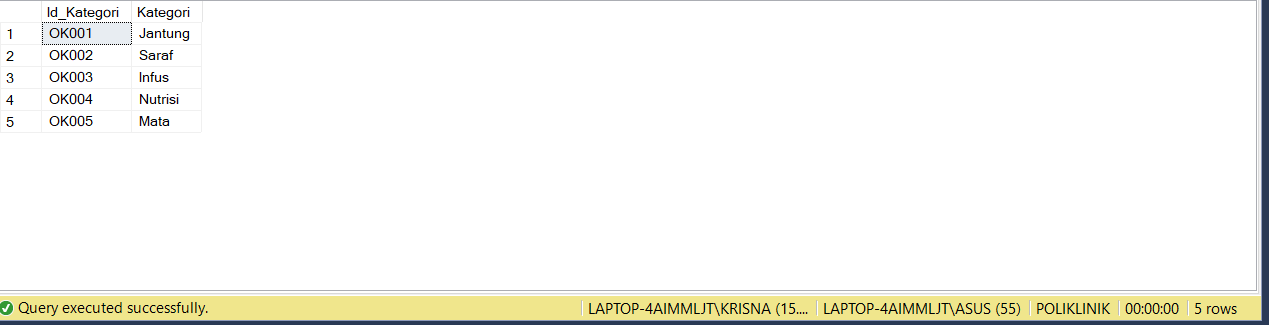
INSERT INTO KATEGORI\_OBAT

VALUES ('OK001','Jantung'),

('OK002','Saraf'),

('OK003','Infus'),

('OK004','Nutrisi'),

 ('OK005','Mata');

INSERT INTO OBAT

VALUES ('OB001','Akrinor Tablet','65000','OK001'),

('OB002','Cardiject Vial','7800','OK001'),

('OB003','Fargoxin Injeksi','21000','OK001'),

('OB004','Kendaron Ampul','20000','OK001'),

('OB005','Tiaryt Tablet','16000','OK001'),

('OB006','Exelon Capsule 3 Mg','70000','OK002'),

('OB007','Fordesia Tablet','79000','OK002'),

('OB008','Reminyl Tablet 4 Mg','33000','OK002'),

('OB009','Albucid Tetes Mata','15000','OK005'),

('OB010','Cendo Fenicol Salep Mata','20000','OK005'),

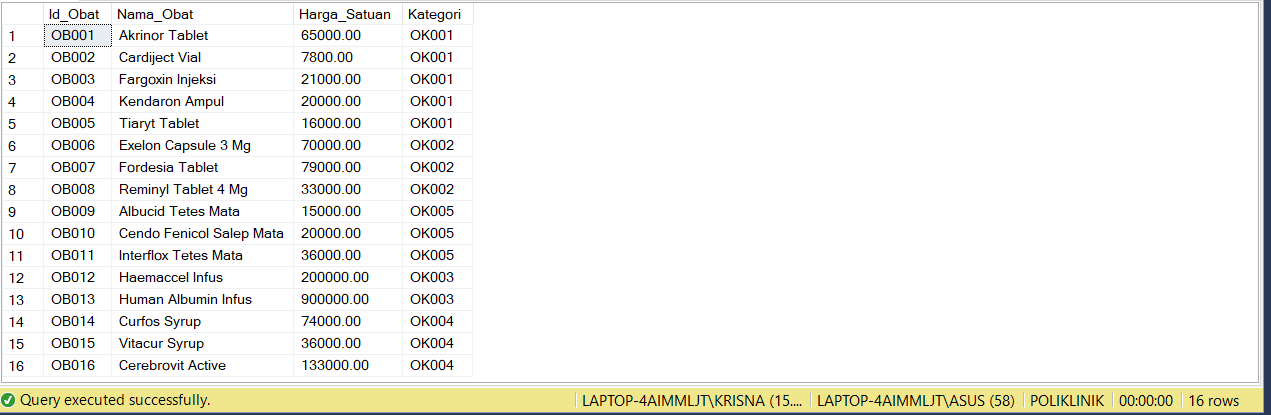
('OB011','Interflox Tetes Mata','36000','OK005'),

('OB012','Haemaccel Infus','200000','OK003'),

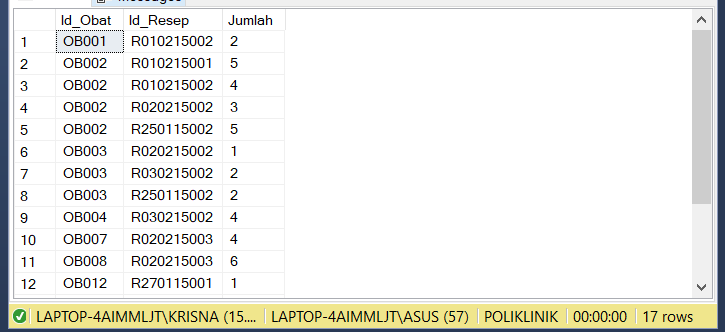
('OB013','Human Albumin Infus','900000','OK003'),

('OB014','Curfos Syrup','74000','OK004'),

('OB015','Vitacur Syrup','36000','OK004'),

 ('OB016','Cerebrovit Active','133000','OK004');

INSERT INTO DETAIL\_OBAT

VALUES ('OB013','R250115001','1'),

('OB002','R250115002','5'),

('OB003','R250115002','2'),

('OB012','R270115001','1'),

('OB015','R300115001','1'),

('OB002','R010215001','5'),

('OB001','R010215002','2'),

('OB002','R010215002','4'),

('OB014','R010215003','1'),

('OB016','R020215001','2'),

('OB002','R020215002','3'),

('OB003','R020215002','1'),

('OB007','R020215003','4'),

('OB008','R020215003','6'),

('OB016','R030215001','1'),

('OB003','R030215002','2'),

('OB004','R030215002','4');

II Soal & Jawaban

1. Buatlah query untuk mengembalikan data obat yang harga satuannya tidak lebih dari Rp 50.000,00. Tampilkan nama obat, harga, dan nama kategorinya.

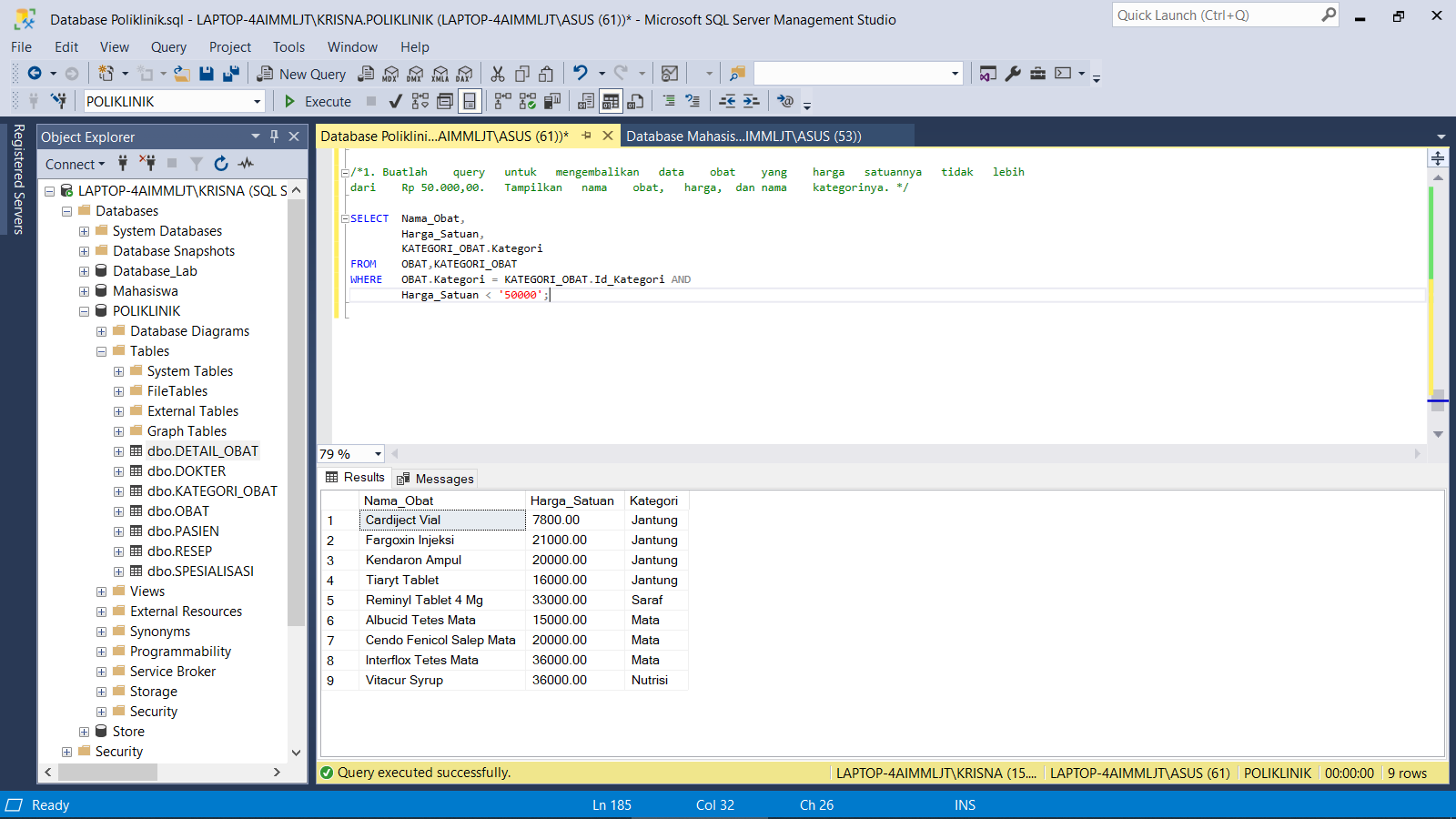
SELECT Nama\_Obat,

Harga\_Satuan,

KATEGORI\_OBAT.Kategori

FROM OBAT,KATEGORI\_OBAT

WHERE OBAT.Kategori = KATEGORI\_OBAT.Id\_Kategori AND

 Harga\_Satuan < '50000';

2. Buatlah query untuk mengembalikan data pasien yang nama depannya mengandung huruf ‘o’. Tampilkan semua kolomnya kecuali nomor telepon.

SELECT Id\_Pasien,

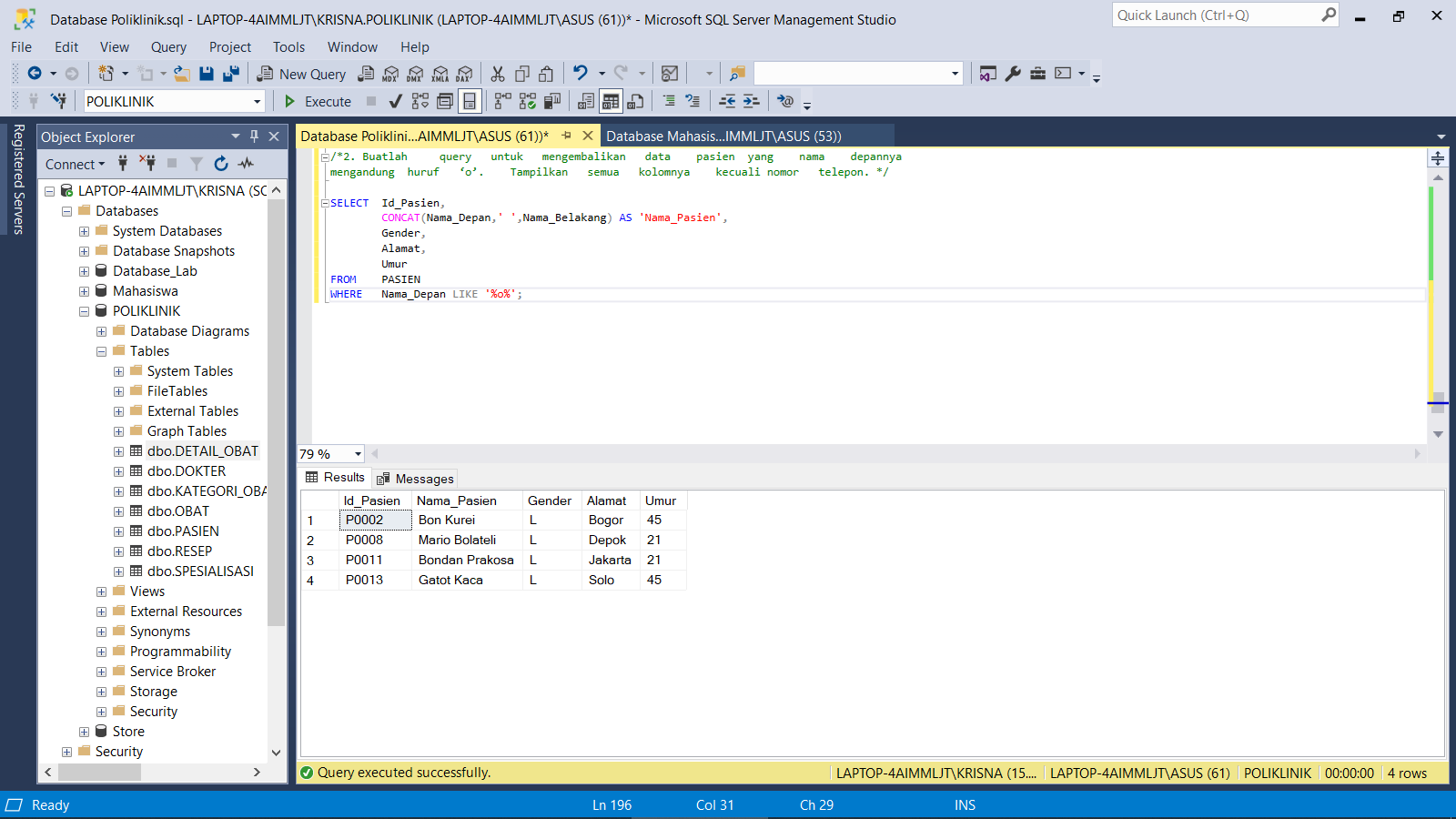
CONCAT(Nama\_Depan,' ',Nama\_Belakang) AS 'Nama\_Pasien',

Gender,

Alamat,

Umur

FROM PASIEN

WHERE Nama\_Depan LIKE '%o%';

3. Buatlah query untuk mengembalikan data pasien yang berobat pada dokter spesialis jantung. Tampilkan data nama (nama lengkap), umur, dan nama dokter yang menangani.

SELECT DISTINCT CONCAT(Pasien.Nama\_Depan,' ',Pasien.Nama\_Belakang) AS 'Nama\_Pasien',

Umur,

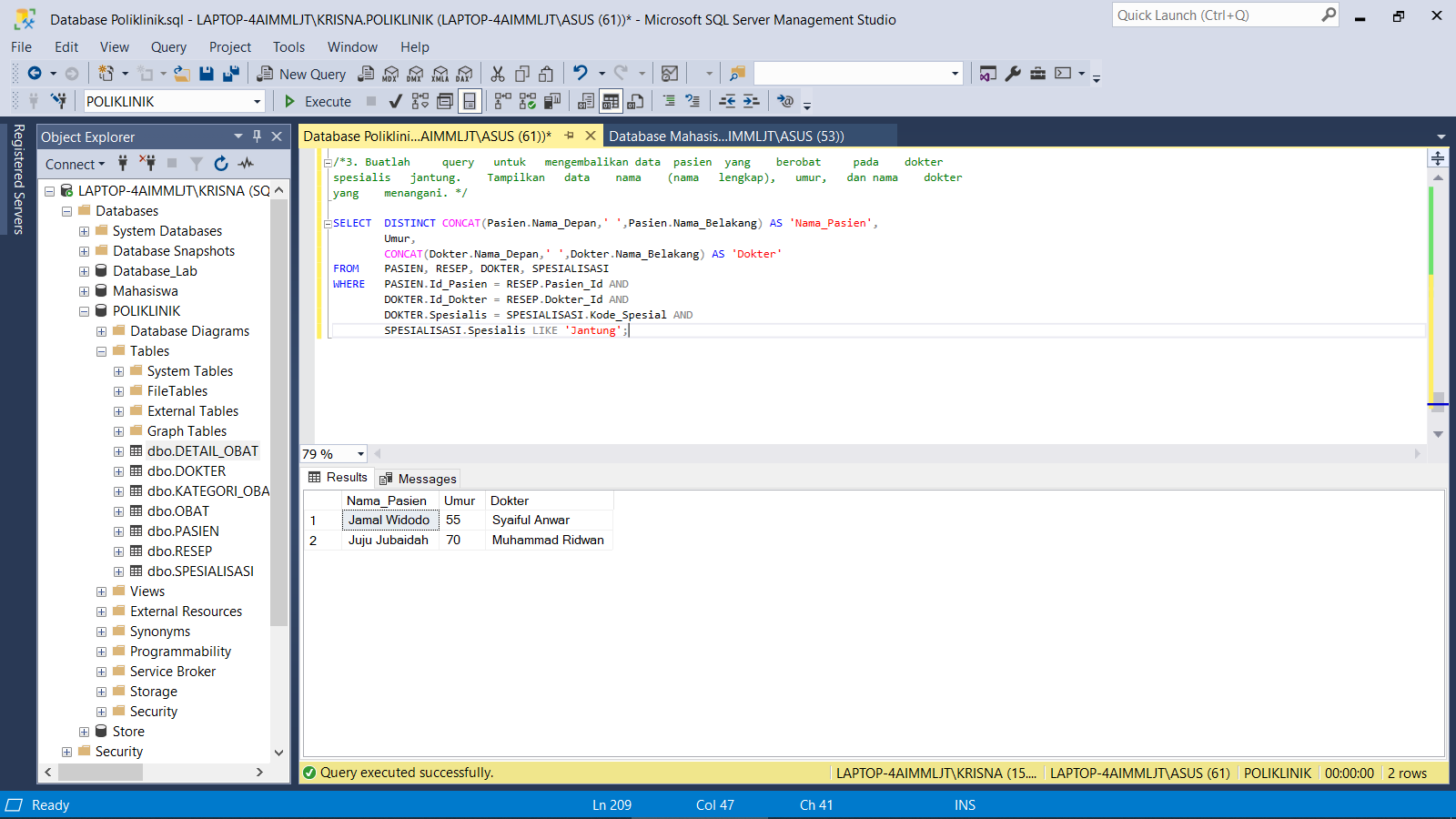
CONCAT(Dokter.Nama\_Depan,' ',Dokter.Nama\_Belakang) AS 'Dokter'

FROM PASIEN, RESEP, DOKTER, SPESIALISASI

WHERE PASIEN.Id\_Pasien = RESEP.Pasien\_Id AND

DOKTER.Id\_Dokter = RESEP.Dokter\_Id AND

DOKTER.Spesialis = SPESIALISASI.Kode\_Spesial AND

 SPESIALISASI.Spesialis LIKE 'Jantung';

4. Buatlah query untuk menampilkan resep untuk obat ‘Cardiject Vial’. Tampilkan nomor resep, dan tanggalnya.

SELECT RESEP.Id\_Resep,

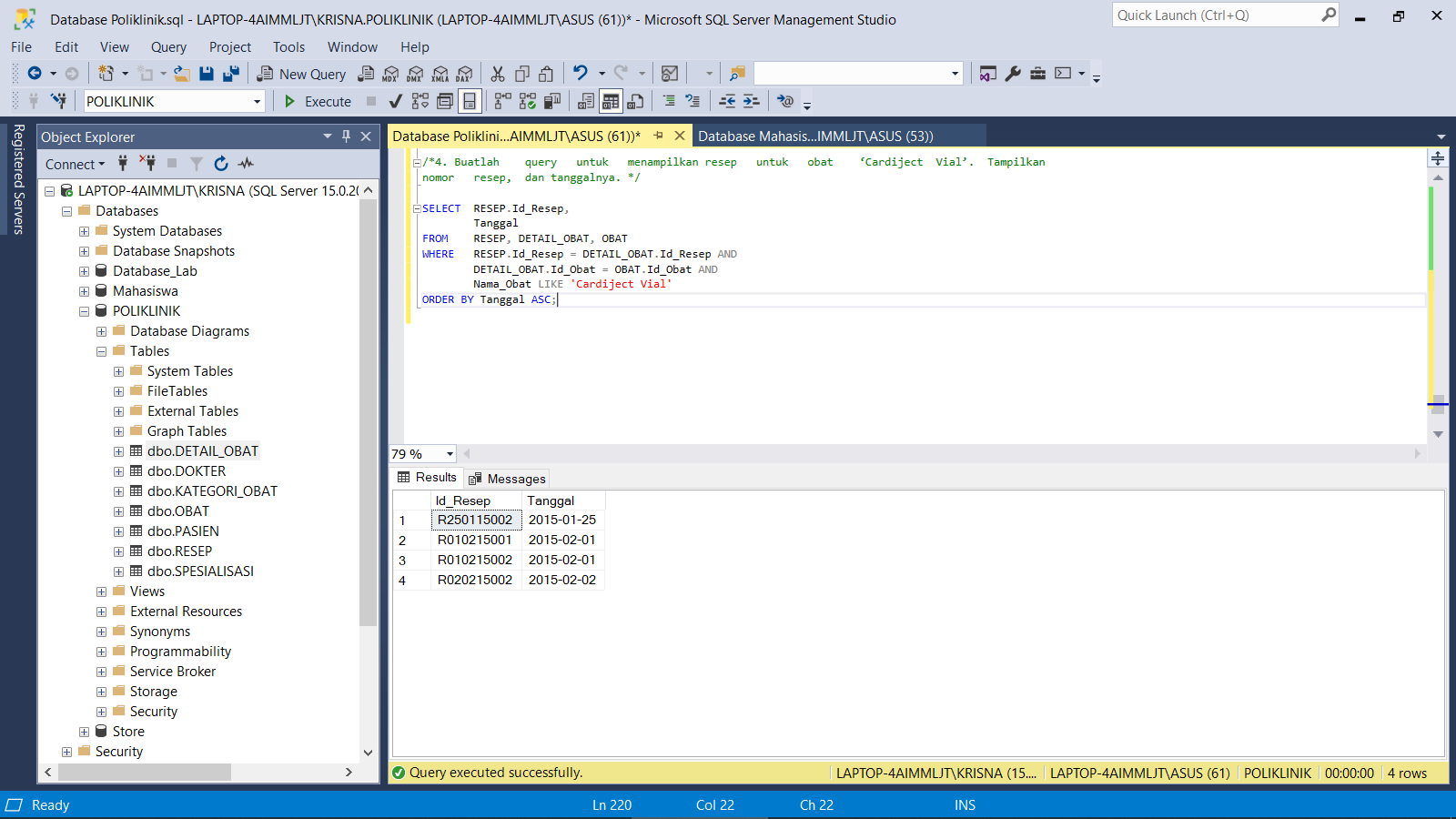
Tanggal

FROM RESEP, DETAIL\_OBAT, OBAT

WHERE RESEP.Id\_Resep = DETAIL\_OBAT.Id\_Resep AND

DETAIL\_OBAT.Id\_Obat = OBAT.Id\_Obat AND

Nama\_Obat LIKE 'Cardiject Vial'

ORDER BY Tanggal ASC;

5. Buatlah query untuk mengembalikan daftar nama obat yang dalam satu resep diminta dalam jumlah lebih dari 2. Tampilkan id obat dan nama obatnya tanpa duplikasi.

SELECT DISTINCT OBAT.Id\_Obat AS Id\_Obat,

Nama\_Obat

FROM OBAT, DETAIL\_OBAT, RESEP

WHERE OBAT.Id\_Obat = DETAIL\_OBAT.Id\_Obat AND

DETAIL\_OBAT.Id\_Resep = RESEP.Id\_Resep AND

Jumlah > 2;

