LAPORAN

IMPLEMENTASI SQL

Disusun untuk memenuhi salah satu tugas mata kuliah CII1J3 Pemodelan Basis Data

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**PROGRAM STUDI INFORMATIKA**

**FAKULTAS INFORMATIKA**

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# PENDAHULUAN

Laporan ini diketik untuk memenuhi tugas Pemodelan Basis Data Yang dimana merupakan kelanjutan dari skema relasi yang telah kami buat sebelumnya. Dalam laporan ini, kami menjabarkan hasil DDL dan DML yang telah kami implementasikan ke dalam MYSQL sesuai dengan skema relasi sebelumnya. Tidak hanya itu, kami juga menampilkan bagaimana bentuk tabel yang yang awal nya berupa skema relasi menjadi beberapa tabel dengan susunan dan isi yang teratur sesuai Primary key, Foreign key, dan juga Atribut yang sama dengan skema relasi. Dan dengan dibuatnya Laporan ini akan memudahkan kami dalam menganalisis hasil dari DDL serta DML yang telah Kami buat.

# PEMODELAN LOGICAL

## Skema Relasi

*Skema relasi yang telah dibuat sebelumnya (UTS)*

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# IMPLEMENTASI SQL

## DDL

*Masukkan script DDL yang telah dibuat beserta print screen hasil eksekusinya.*

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| ***#1. Tabel Barang***  *CREATE TABLE `barang` (*  *`id\_barang` char(5) NOT NULL,*  *`nama\_barang` varchar(100) DEFAULT NULL,*  *`deskripsi` varchar(100) DEFAULT NULL,*  *`harga\_modal` int DEFAULT NULL,*  *`stock\_tersedia` int DEFAULT NULL,*  *PRIMARY KEY (`id\_barang`)*  *);*  *SHOW CREATE TABLE ‘barang’;*    ***#2. Tabel Buyer***  *CREATE TABLE `buyer` (*  *`id\_buyer` varchar(10) NOT NULL,*  *`alamat\_email\_buyer` varchar(100) DEFAULT NULL,*  *`nama\_buyer` varchar(100) DEFAULT NULL,*  *`gender` char(1) DEFAULT NULL,*  *PRIMARY KEY (`id\_buyer`),*  *KEY `alamat\_email\_buyer` (`alamat\_email\_buyer`),*  *CONSTRAINT `buyer\_ibfk\_1` FOREIGN KEY (`alamat\_email\_buyer`) REFERENCES `user` (`alamat\_email`)*  *);*  *SHOW CREATE TABLE buyer;*    ***#3.Tabel no\_telephone\_seller***  *CREATE TABLE `no\_telephone\_seller` (*  *`id\_seller` varchar(10) NOT NULL,*  *`no\_telepon\_seller` varchar(15) DEFAULT NULL,*  *PRIMARY KEY (`id\_seller`),*  *CONSTRAINT `no\_telephone\_seller\_ibfk\_1` FOREIGN KEY (`id\_seller`) REFERENCES `seller` (`id\_seller`)*  *);*  *SHOW CREATE TABLE no\_telephone\_seller;*    ***#4.Tabel nomor\_telepon***  *CREATE TABLE `nomor\_telepon` (*  *`alamat\_email` varchar(100) NOT NULL,*  *`no\_telepon` varchar(15) DEFAULT NULL,*  *PRIMARY KEY (`alamat\_email`),*  *CONSTRAINT `nomor\_telepon\_ibfk\_1` FOREIGN KEY (`alamat\_email`) REFERENCES `user` (`alamat\_email`)*  *);*  *SHOW CREATE TABLE nomor\_telepon;*    ***#5.Tabel pembayaran***  *CREATE TABLE `pembayaran` (*  *`id\_pembayaran` char(5) NOT NULL,*  *`jumlah\_yang\_dibayar` int DEFAULT NULL,*  *`rekening\_tujuan` varchar(20) DEFAULT NULL,*  *`rekening\_pengirim` varchar(20) DEFAULT NULL,*  *PRIMARY KEY (`id\_pembayaran`)*  *);*  *SHOW CREATE TABLE pembayaran;*    ***#6.Tabel pengiriman***  *CREATE TABLE `pengiriman` (*  *`no\_resi` varchar(10) NOT NULL,*  *`id\_barang` varchar(10) DEFAULT NULL,*  *`id\_pembayaran` varchar(10) DEFAULT NULL,*  *`nama\_pengirim` varchar(100) DEFAULT NULL,*  *`nama\_penerima` varchar(100) DEFAULT NULL,*  *`biaya` int DEFAULT NULL,*  *PRIMARY KEY (`no\_resi`),*  *KEY `id\_barang` (`id\_barang`),*  *KEY `id\_pembayaran` (`id\_pembayaran`),*  *CONSTRAINT `pengiriman\_ibfk\_1` FOREIGN KEY (`id\_barang`) REFERENCES `barang` (`id\_barang`),*  *CONSTRAINT `pengiriman\_ibfk\_2` FOREIGN KEY (`id\_pembayaran`) REFERENCES `pembayaran` (`id\_pembayaran`)*  *);*  *SHOW CREATE TABLE pengiriman;*    ***#7.Tabel penjualan***  *CREATE TABLE `penjualan` (*  *`id\_penjualan` varchar(10) NOT NULL,*  *`id\_seller` varchar(10) DEFAULT NULL,*  *`id\_barang` varchar(10) DEFAULT NULL,*  *`harga\_jual` int DEFAULT NULL,*  *`stock\_terjual` int DEFAULT NULL,*  *PRIMARY KEY (`id\_penjualan`),*  *KEY `id\_seller` (`id\_seller`),*  *KEY `id\_barang` (`id\_barang`),*  *CONSTRAINT `penjualan\_ibfk\_1` FOREIGN KEY (`id\_seller`) REFERENCES `seller` (`id\_seller`),*  *CONSTRAINT `penjualan\_ibfk\_2` FOREIGN KEY (`id\_barang`) REFERENCES `barang` (`id\_barang`)*  *);*  *SHOW CREATE TABLE penjualan;*    ***#8.tabel seller***  *CREATE TABLE `seller` (*  *`id\_seller` varchar(10) NOT NULL,*  *`alamat\_email\_seller` varchar(100) DEFAULT NULL,*  *`nama\_seller` varchar(100) DEFAULT NULL,*  *PRIMARY KEY (`id\_seller`),*  *KEY `alamat\_email\_seller` (`alamat\_email\_seller`),*  *CONSTRAINT `seller\_ibfk\_1` FOREIGN KEY (`alamat\_email\_seller`) REFERENCES `user` (`alamat\_email`)*  *);*  *SHOW CREATE TABLE seller;*    ***#9.Tabel toko***  *CREATE TABLE `toko ` (*  *`id\_toko` varchar(10) NOT NULL,*  *`nama\_toko` varchar(100) DEFAULT NULL,*  *`alamat\_toko` varchar(100) DEFAULT NULL,*  *`id\_seller` varchar(10) DEFAULT NULL,*  *PRIMARY KEY (`id\_toko`),*  *KEY `id\_seller` (`id\_seller`),*  *CONSTRAINT `toko\_ibfk\_1` FOREIGN KEY (`id\_seller`) REFERENCES `seller` (`id\_seller`)*  *);*  *SHOW CREATE TABLE toko;*    ***#10. Tabel transaksi***  *CREATE TABLE `transaksi` (*  *`id\_transaksi` varchar(10) NOT NULL,*  *`id\_buyer` varchar(10) DEFAULT NULL,*  *`id\_seller` varchar(10) DEFAULT NULL,*  *`id\_pembayaran` varchar(10) DEFAULT NULL,*  *`status` varchar(100) DEFAULT NULL,*  *`detail\_pembayaran` varchar(100) DEFAULT NULL,*  *`detail\_buyer` varchar(100) DEFAULT NULL,*  *PRIMARY KEY (`id\_transaksi`),*  *KEY `id\_buyer` (`id\_buyer`),*  *KEY `id\_seller` (`id\_seller`),*  *KEY `id\_pembayaran` (`id\_pembayaran`),*  *CONSTRAINT `transaksi\_ibfk\_1` FOREIGN KEY (`id\_buyer`) REFERENCES `buyer` (`id\_buyer`),*  *CONSTRAINT `transaksi\_ibfk\_2` FOREIGN KEY (`id\_seller`) REFERENCES `seller` (`id\_seller`),*  *CONSTRAINT `transaksi\_ibfk\_3` FOREIGN KEY (`id\_pembayaran`) REFERENCES `pembayaran` (`id\_pembayaran`)*  *);*  *SHOW CREATE TABLE transaksi;*    ***#11.Tabel user***  *CREATE TABLE `user` (*  *`alamat\_email` varchar(100) NOT NULL,*  *PRIMARY KEY (`alamat\_email`)*  *);*  *SHOW CREATE TABLE user;* |

## DML

1. *Masukkan script DML yang telah dibuat untuk setiap tabel beserta print screen hasil eksekusinya.*

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| ***#1. Tabel Barang***  *SELECT \* FROM barang;*    *INSERT INTO `barang` VALUES ('A8765','SKin Aqua','sunscreen dry to oily',50000,2),('K9876','face mist','hadalabo face mist big size',165000,2),('L9876','Laneige','moisturizer for teenager',200000,1),('M7865','Pyun Kang yul Toner essense','Toner pyun kang yul Size 200 ml',125000,10),('N9876','Nivea','lip care with arbutin',76000,11),('S4432','somethinc','serum with niacinamide',150000,10),('S8766','emina','sunscreen spf 30',35000,2),('S9876','senka whitening','small facial wash',45000,24),('T6754','Somethinc','AHA BHA peeling solution',89000,15);*  ***#2. Tabel Buyer***  *SELECT \* FROM buyer;*    *INSERT INTO `buyer` VALUES ('65434E','m.aziz@gmail.com','laili amanah bapa','P'),('76543WE','dewajaya@gmail.com','lala nur halilintar binti mamat','P'),('7776W','azizaladrojalil@gmail.com','Aziz cohl','L'),('7WWWQ1E','jaya2202@gmail.com','Suryanto','L'),('9876h','dewamadewijaya@gmail.com','JEY CUTIE','L'),('A8765','tiono89@gmail.com','Guntur Semuntiono','L'),('B8765','Kurniawan87@gmail.com','Mania Kurniawan','L'),('C9876','Adindamonarch@gmail.com','Dinda Monarch','P'),('D5747','Kevin900@gmail.com','Kevin Alamiah','L'),('E8732','Hanungara89@gmail.com','Jimnia Hanungara','P'),('F0099','nanikurniakintara56@gmail.com','Nani Kintara','P'),('G2344','Huruhara908@gmail.com','Hanivah Huruhara','P'),('H8659','Hanggina00@gmail.com','Hanggi Narative','P'),('U8765','Sumiaji78@gmail.com','Sumiaji Guntoro','L');*  ***#3. Tabel no\_telepon\_seller***  *SELECT \* FROM no\_telephone\_seller;*    *INSERT INTO `no\_telephone\_seller` VALUES ('J229876','627665421312'),('JY09876','628765712371'),('Q09876','625417123912'),('Q239876','62765612318'),('WWE876','627612312312');*  ***#4. Tabel nomor\_telepon***  *SELECT \* FROM nomor\_telepon;*    *INSERT INTO `nomor\_telepon` VALUES ('azizaladrojalil@gmail.com','62098789876564'),('azizjalil@gmail.com','6281765432234'),('azizperiangcelalue@gmail.com','6281765456345'),('dewajaya@gmail.com','6281987654567'),('dewamadewijaya@gmail.com','6281876890987'),('m.aziz@gmail.com','6281805250472'),('wijayaa222@gmail.com','62876543456787');*  ***#5. Tabel pembayaran***  *SELECT \* FROM pembayaran;*    *INSERT INTO `pembayaran` VALUES ('00987',150000,'000987789888','98765674320'),('07987',700000,'098754646464','99987655776'),('08787',190000,'765678689888','98765674320'),('65434',550000,'9876545678','098765456787'),('76093',1500000,'098767676767','087657656766'),('76434',236000,'8976546646','0987654346576'),('76545',220000,'098767897687','87644568976'),('76568',200000,'098765855877','98765678798'),('87656',80000,'098767676767','098789787545'),('87667',900000,'000987789888','76547886857'),('88890',313000,'0987678987','0987654346576'),('89765',60000,'098765678909','0009876545'),('98765',430000,'0987678987','0987654567'),('98876',1000000,'098767676767','098765456787'),('98878',150000,'098767897687','67546756599');*  ***#6. Tabel pengiriman***  *SELECT \* FROM pengiriman;*  *#pada tabel pengiriman, ada barang yang sudah diterima buyer jadi tidak masuk ke dalam tabel;*    *INSERT INTO `pengiriman` VALUES ('JP1231241','A8765','65434','Sri Mulyanto','Sumiaji Guntoro',50000),('JP1231242','K9876','65434','Joko','Mania Kurniawan',165000),('JP4234232','K9876','65434','rahadian sumanto','Asep',165000),('JP8731273','S4432','88890','rahadian sumanto','Suryano',16000),('RT98766878','T6754','89765','jinaka olopo','Hanggi Narative',16000);*  ***#7. Tabel penjualan***  *SELECT \* FROM penjualan;*    *INSERT INTO `penjualan` VALUES ('C654567','JY09876','T6754',100000,2),('D754345','J229876','N9876',86000,2),('F764345','J229876','S4432',160000,6),('H9870984','Q239876','L9876',210000,9),('H987665','J229876','S4432',150000,5),('K5434565','WWE876','M7865',150000,3),('S54329','JY09876','M7865',150000,3),('T765454','Q09876','M7865',150000,4),('TRE8765','WWE876','S9876',55000,10),('U876567','Q239876','S4432',160000,5),('UUYWU9','Q09876','L9876',210000,1),('V765456','WWE876','S4432',160000,7),('Y09876','J229876','A8765',60000,2),('Y9989','JY09876','K9876',176000,1),('YTEW88','Q239876','N9876',86000,9),('Z234543','JY09876','S8766',45000,5);*  ***#8. Tabel seller***  *SELECT \* FROM seller;*    *INSERT INTO `seller` VALUES ('J229876','azizjalil@gmail.com','sri mulyanto'),('JY09876','azizaladrojalil@gmail.com','sri mulyadi'),('Q09876','wijayaa222@gmail.com','rahadian sumanto'),('Q239876','azizperiangcelalue@gmail.com','sri mulyano'),('WWE876','dewamadewijaya@gmail.com','jinaka olopo');*  ***#9. Tabel toko***  *SELECT \* FROM toko;*    *INSERT INTO `toko` VALUES ('IP2788','toko ada aja','jln tuan rumah no 22 gang akasia','Q09876'),('IPP986','toko serba ada','jln tuan rumah no 12 gang akasia','J229876'),('IPU788','toko lebih ada','jln tuan rumah no 11 gang akasia','JY09876'),('IT1118','toko aja aja ','jln tuan guru haji rohmah no 33 gang akasia','Q239876'),('WN98766','toko lancar amin ','jln marga satwa baja hitam no 90 gang wanita','WWE876');*  ***#10. Tabel transaksi***  *SELECT \* FROM transaksi;*    *INSERT INTO `transaksi` VALUES ('B90000','76543WE','J229876','76093','Kurir Dalam Perjalanan Menuju Alamat','Lunas','Dikirim Ke Alamat Rumah'),('G78787','9876h','Q239876','89765','Sedang dalam perjalanan','Lunas','puas'),('H87659','7776W','JY09876','87667','Barang Sudah Sampai DI JNE pusat','Lunas','Di Ambil di JNE pusat'),('IOP99882','65434E','J229876','65434','Sedang dalam perjalanan','Lunas','Puas'),('K09876','7776W','Q239876','87656','Menunggu proses pembayaran','Belum Dibayar','Dikirim Ke alamat Kantor'),('L09988','7WWWQ1E','WWE876','98876','Dikemas','Lunas','Dikirim Ke alamat Rumah'),('L87656','9876h','Q09876','98878','Sudah Diterima','Lunas','puas'),('QWERTU2','76543WE','J229876','76434','Sampai ke alamat penerima','Lunas','Dikirimakan ke alamat kantor'),('T56754','65434E','J229876','07987','Dikemas','Lunas','Di Ambil Di JNE Pusat'),('T77654','76543WE','JY09876','08787','Menunggu proses pembayaran','Belum Dibayar','Dikirim Ke Alamat Rumah'),('T87657','65434E','JY09876','00987','Menunggu proses pembayaran','Belum Dibayar','Dikirim Ke alamat Kantor'),('Y76547','7776W','Q09876','76568','Sudah Diterima','Lunas','Puas'),('YH89087','7776W','Q09876','76545','Sedang di kemas','Lunas','Dikirimakan ke alamat rumah'),('YU8765','9876h','WWE876','98765','Sudah sampai di kantor cabang mataram','Lunas','Dikirimkan ke alamat nenek'),('YU87655','7776W','Q239876','88890','Sudah sampai di kantor cabang mataram','Lunas','Diambil di kantor JNE');*  ***#11.Tabel user***  *SELECT \* FROM user;*    *INSERT INTO `user` VALUES ('Adindamonarch@gmail.com'),('azizaladrojalil@gmail.com'),('azizjalil@gmail.com'),('azizperiangcelalue@gmail.com'),('dewajaya@gmail.com'),('dewamadewijaya@gmail.com'),('Hanggina00@gmail.com'),('Hanungara89@gmail.com'),('Huruhara908@gmail.com'),('jaya2202@gmail.com'),('Kevin900@gmail.com'),('Kurniawan87@gmail.com'),('m.aziz@gmail.com'),('nanikurniakintara56@gmail.com'),('Sumiaji78@gmail.com'),('tiono89@gmail.com'),('wijayaa222@gmail.com');* |