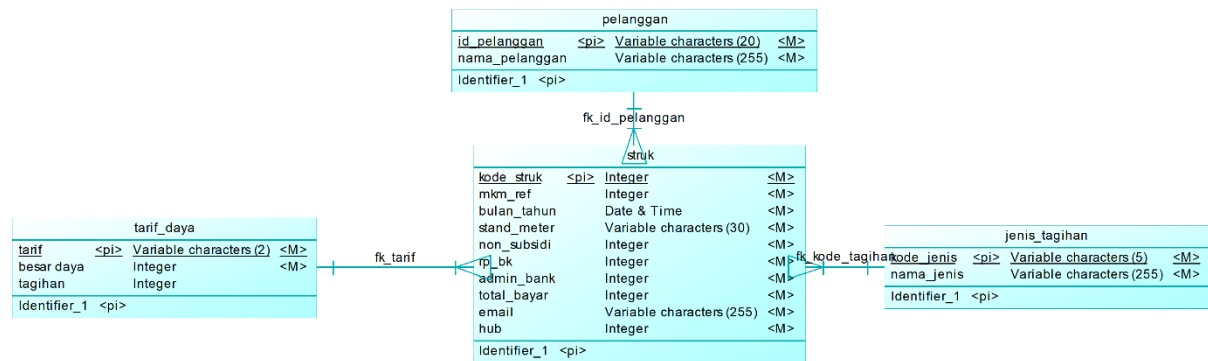


Nama : Wildani Danial Nafis

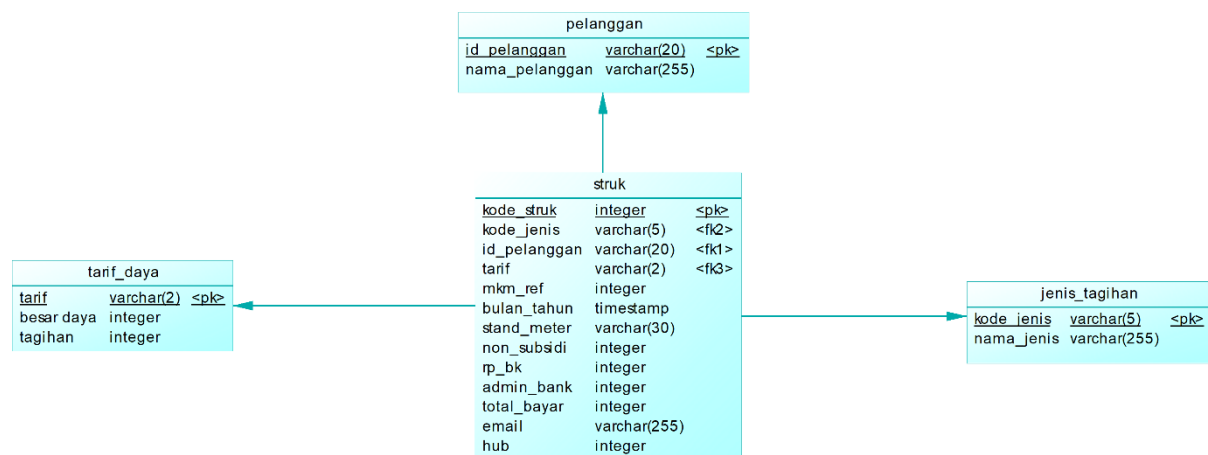
Prodi : D-III Manajemen Informatika

NIM : 2231750007

CDM



PDM



```
CREATE TABLE `jenis_tagihan` (  
  `kode_jenis` varchar(5) NOT NULL,  
  `nama_jenis` varchar(255) NOT NULL  
)
```

```
INSERT INTO `jenis_tagihan` (`kode_jenis`, `nama_jenis`) VALUES  
('1', 'Tagihan Listrik');
```

```
CREATE TABLE `pelanggan` (  
  `id_pelanggan` varchar(20) NOT NULL,  
  `nama_pelanggan` varchar(255) NOT NULL  
)
```

```
INSERT INTO `pelanggan` (`id_pelanggan`, `nama_pelanggan`)  
VALUES  
( '511810935121', 'SLAMET WIBISONO')
```

```
CREATE TABLE `struk` (  
  `no_struk` int NOT NULL,  
  `kode_tagihan` varchar(5) NOT NULL,  
  `id_pelanggan` varchar(20) NOT NULL,  
  `tarif` varchar(2) NOT NULL,  
  `mkm_ref` varchar(255) NOT NULL,  
  `bulan_tahun` date NOT NULL,  
  `stand_meter` varchar(30) NOT NULL,  
  `non_subsidi` int NOT NULL,  
  `rp_bk` int NOT NULL,  
  `admin_bank` int NOT NULL,  
  `total_bayar` int NOT NULL,  
  `email` varchar(255) NOT NULL,  
  `hub` int NOT NULL  
)
```

```
INSERT INTO `struk` (`no_struk`, `kode_tagihan`, `id_pelanggan`,  
`tarif`, `mkm_ref`, `bulan_tahun`, `stand_meter`, `non_subsid`,  
`rp_bk`, `admin_bank`, `total_bayar`, `email`, `hub`) VALUES
```

```
(1, '1', '511810935121', 'R1',  
'20120101155410000000000154904550', '2012-01-01', '01514800-  
01521900', 0, 0, 1600, 52, 'www.pln.co.id', 123);
```

```
CREATE TABLE `tarif_daya` (  
  `tarif` varchar(2) NOT NULL,  
  `daya` int NOT NULL,  
  `tagihan` int NOT NULL  
)
```

```
INSERT INTO `tarif_daya` (`tarif`, `daya`, `tagihan`) VALUES  
('R1', 900, 50485);
```

```
ALTER TABLE `jenis_tagihan`  
  ADD PRIMARY KEY (`kode_jenis`);
```

```
ALTER TABLE `pelanggan`  
  ADD PRIMARY KEY (`id_pelanggan`);
```

```
ALTER TABLE `struk`  
  ADD PRIMARY KEY (`no_struk`),
```

```
ADD KEY `fk_id_pelanggan` (`id_pelanggan`),
ADD KEY `fk_tarif` (`tarif`),
ADD KEY `fk_kode_tagihan` (`kode_tagihan`);
```

```
ALTER TABLE `tarif_daya`
ADD PRIMARY KEY (`tarif`);
```

```
ALTER TABLE `struk`
ADD CONSTRAINT `fk_id_pelanggan` FOREIGN KEY (`id_pelanggan`)
REFERENCES `pelanggan` (`id_pelanggan`),
ADD CONSTRAINT `fk_kode_tagihan` FOREIGN KEY (`kode_tagihan`)
REFERENCES `jenis_tagihan` (`kode_jenis`),
ADD CONSTRAINT `fk_tarif` FOREIGN KEY (`tarif`) REFERENCES
`tarif_daya` (`tarif`);
```

### Tugas 3

```
SELECT (SELECT nama_jenis FROM jenis_tagihan) AS jenis_tagihan,
id_pelanggan, tarif, (SELECT daya FROM tarif_daya) AS daya, (SELECT
tagihan FROM tarif_daya) AS tagihan, mkm_ref,
DATE_FORMAT(bulan_tahun, '%M' '%Y') AS bulan_tahun,
stand_meter, non_subsidisi, rp_bk, admin_bank, total_bayar, email,
hub FROM struk WHERE no_struk = 1;
```

```
mysql> SELECT (SELECT nama_jenis FROM jenis_tagihan) AS jenis_tagihan, id_pelanggan, tarif, (SELECT daya FROM tarif_daya) AS daya, (SELECT tagihan FROM tarif_daya) AS tagihan, mkm_ref,
DATE_FORMAT(bulan_tahun, '%M' '%Y') AS bulan_tahun, stand_meter, non_subsidisi, rp_bk, admin_bank, total_bayar, email, hub FROM struk WHERE no_struk = 1;
```

jenis_tagihan	id_pelanggan	tarif	daya	tagihan	mkm_ref	bulan_tahun	stand_meter	non_subsidisi	rp_bk	admin_bank	total_bayar
Tagihan Listrik	511810935121	R1	900	50485	20120101155410000000000154904550	January2012	01514800-01521900	0	0	1600	1600

1 row in set (0.00 sec)

```
FROM jenis_tagihan) AS jenis_tagihan, id_pelanggan, tarif, (SELECT daya FROM tarif_daya) AS daya, (SELECT tagihan FROM tarif_daya) AS tagihan, mkm_ref, DATE_FORMAT(bulan, stand_meter, non_subsidirp_bk, admin_bank, total_bayar, email, hub FROM struk WHERE no_struk = 1;
```

tarif	daya	tagihan	mkm_ref	bulan_tahun	stand_meter	non_subsidirp_bk	admin_bank	total_bayar	email	hub	
R1	900	50485	20120101155410000000000154904550	January2012	01514800-01521900	0	0	1600	52	www.pln.co.id	123

sql

29°C  
Cerah



ENG  
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15:05  
22/05/2023