SOAL 1

QUERY

```sql
SELECT mp.nama_pegawai as Employee, COUNT(ts.no_so) as "Jumlah SO",
IF(COUNT(ts.no_so) < mp.target, "Ya", "Tidak") as "kurang dari target?"

FROM master_pegawai mp

INNER JOIN tr_so ts

ON mp.kode_pegawai = ts.kode_sales

GROUP BY ts.kode_sales
```

RESULT

Employee	Jumlah SO	kurang dari target?
Budi	7	Tidak
Ayu	4	Tidak
Andi	3	Ya
Susi	4	Tidak
Joko	2	Tidak

SOAL 2

QUERY

```sql
SELECT td.no_do, td.tgl_do, ts.qty*mk.Qty as qty, (ts.qty*mk.Qty*mp.harga_satuan*1.1) +
mc.ongkos_kirim as amount

FROM tr_do td

INNER JOIN tr_so ts

ON td.no_entry_so = ts.no_entry_so

INNER JOIN master_konversi mk

ON mk.Satuan = ts.satuan

INNER JOIN master_customer mc

ON mc.kode_customer = ts.kode_customer

INNER JOIN master_product mp

ON mp.kode_produk = ts.kode_barang

WHERE ts.satuan = mk.Satuan

ORDER BY td.no_do
```

RESULT

no_do ▲ 1	tgl_do	qty	amount
DO001	2018-01-03	36	500200.0
DO002	2018-01-08	750	3530000.0
DO003	2018-01-09	18	108160.0
DO004	2018-01-10	930	3615500.0
DO005	2018-01-15	1560	20627000.0
DO006	2018-01-15	630	4916000.0
DO007	2018-01-08	21	152050.0
DO008	2018-01-08	240	1345000.0
DO009	2018-01-12	48	329000.0
DO010	2018-01-20	1224	6083800.0
DO011	2018-01-27	76	453000.0
DO012	2018-01-30	82	521100.0
DO013	2018-01-20	192	1332200.0

SOAL 3

QUERY

SELECT mc.nama_customer as customer, td.no_do, td.tgl_do, ts.qty*mk.Qty as qty,

CASE

WHEN DATEDIFF('2018-02-01', ti.tgl_inv) <= 5 THEN (ts.qty*mk.Qty*mp.harga_satuan*1.1) + mc.ongkos_kirim

END AS "telat 1-5",

CASE

WHEN DATEDIFF('2018-02-01', ti.tgl_inv) BETWEEN 5 AND 21 THEN (ts.qty*mk.Qty*mp.harga_satuan*1.1) + mc.ongkos_kirim

END AS "telat 6-20",

CASE

WHEN DATEDIFF('2018-02-01', ti.tgl_inv) > 20 THEN (ts.qty*mk.Qty*mp.harga_satuan*1.1) + mc.ongkos_kirim

END AS "telat >20"

```sql
FROM master_customer mc

INNER JOIN tr_so ts

ON ts.kode_customer = mc.kode_customer

INNER JOIN tr_do td

ON td.no_entry_so = ts.no_entry_so

INNER JOIN master_konversi mk

ON mk.Satuan = ts.satuan

INNER JOIN tr_inv ti

ON ti.no_entry_do = td.no_entry_do

INNER JOIN master_product mp

ON mp.kode_produk = ts.kode_barang

WHERE ti.no_entry_do = td.no_entry_do AND td.no_entry_so = ts.no_entry_so AND
ts.kode_customer = mc.kode_customer

GROUP BY mc.nama_customer;


SELECT mc.nama_customer as customer, td.no_do, td.tgl_do, ts.qty*mk.Qty as qty,
DATEDIFF('2018-02-01', ti.tgl_inv) as "umur hutang"

FROM master_customer mc

INNER JOIN tr_so ts

ON ts.kode_customer = mc.kode_customer

INNER JOIN tr_do td

ON td.no_entry_so = ts.no_entry_so

INNER JOIN master_konversi mk

ON mk.Satuan = ts.satuan

INNER JOIN tr_inv ti

ON ti.no_entry_do = td.no_entry_do

WHERE ti.no_entry_do = td.no_entry_do AND td.no_entry_so = ts.no_entry_so AND
ts.kode_customer = mc.kode_customer

GROUP BY mc.nama_customer;
```

RESULT

customer	no_do	tgl_do	qty	telat 1-5	telat 6-20	telat >20
Toko Bu Endah	DO012	2018-01-30	82	521100.0	NULL	NULL
Toko Budi	DO006	2018-01-15	630	NULL	4916000.0	NULL
Toko Pak Imin	DO005	2018-01-15	1560	NULL	20627000.0	NULL
Warung bu Indah	DO007	2018-01-08	21	NULL	152050.0	NULL

or

customer	no_do	tgl_do	qty	umur hutang
Toko Bu Endah	DO012	2018-01-30	82	1
Toko Budi	DO006	2018-01-15	630	13
Toko Pak Imin	DO005	2018-01-15	1560	15
Warung bu Indah	DO007	2018-01-08	21	12

SOAL 4

QUERY

SELECT mp.nama_product "Nama Product", ts.qty*mk.Qty Quantity

FROM master_product mp

INNER JOIN tr_so ts

ON mp.kode_produk = ts.kode_barang

INNER JOIN master_konversi mk

ON ts.satuan = mk.Satuan

GROUP BY mp.nama_product

HAVING COUNT(ts.no_so)

ORDER BY COUNT(ts.no_so) DESC

LIMIT 3

RESULT

Nama Product	Quantity
Susu soda gembira	240
Soda Segar	21
Soda gembira ria	36

SOAL 5

QUERY

SELECT mv.vendor "Nama Vendor", (ts.qty*mk.Qty*mp.harga_satuan*1.1) + mc.ongkos_kirim as Amount

FROM master_vendor mv

INNER JOIN master_product mp

ON mp.kode_vendor = mv.kode_vendor

INNER JOIN tr_so ts

ON ts.kode_barang = mp.kode_produk

INNER JOIN master_customer mc

ON mc.kode_customer = ts.kode_customer

INNER JOIN master_konversi mk

ON mk.Satuan = ts.satuan

INNER JOIN tr_do td

ON td.no_entry_so = ts.no_entry_so

INNER JOIN tr_inv ti

ON ti.no_entry_do = td.no_entry_do

WHERE td.no_entry_do = ti.no_entry_do AND ts.no_entry_so = td.no_entry_so

GROUP BY mv.vendor

ORDER BY Amount DESC

LIMIT 3

RESULT

Nama Vendor	Amount ▾ 1
PT Berjaya	4916000.0
PT Maju Berkarya	3615500.0
PT Alam Maju	152050.0