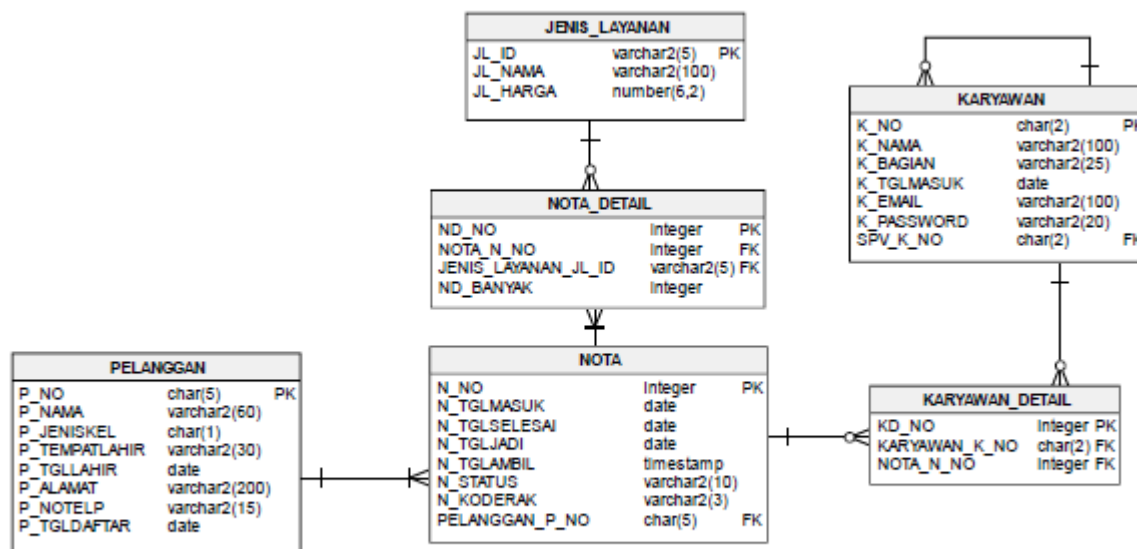


## Physical Data Model (PDM) LAUNDRY



DDL Query: [https://drive.google.com/file/d/1AjZmcOPPsMY2RaxFpYIAar8Z3Evw\\_qrl/view?usp=sharing](https://drive.google.com/file/d/1AjZmcOPPsMY2RaxFpYIAar8Z3Evw_qrl/view?usp=sharing)

### Questions:

1. Select the names of customers who live in the "Mulyosari".

|   | p_nama<br>character varying (60) | p_alamat<br>character varying (200) |
|---|----------------------------------|-------------------------------------|
| 1 | RATNA AYU M                      | JL.RAYA MULYOSARI 26                |
| 2 | WINDIE                           | MULYOSARI BARU NO 36                |

2. Select the ID customers (P\_NO), names (nama), and the registration date (tgl\_daftar) of the first 3 customers to register.

|   | p_no<br>[PK] character (5) | nama<br>character varying (60) | tgl_daftar<br>date |
|---|----------------------------|--------------------------------|--------------------|
| 1 | S2005                      | SRI RAHAYU                     | 2009-11-02         |
| 2 | Z2001                      | ZACKY                          | 2009-11-06         |
| 3 | R2005                      | RATNA WATI                     | 2009-11-12         |

3. Select the ID and name of the employee who does not handle note (nota) number 1.

|   | k_no<br>[PK] character (2) | k_nama<br>character varying (100) |
|---|----------------------------|-----------------------------------|
| 1 | AH                         | AHMAD                             |
| 2 | AK                         | AGIK                              |
| 3 | VV                         | VIVI                              |
| 4 | ER                         | ERNI                              |

4. Select the name and the section (bagian) of the employee that **has never served transactions**.

|   | k_nama<br>character varying (100) | k_bagian<br>character varying (25) |
|---|-----------------------------------|------------------------------------|
| 1 | AHMAD                             | SUPERVISOR                         |

5. Select customer ID and name, along with the number of laundry notes. Select top 5 customers based on the greatest number of laundry notes.

|   | p_no<br>[PK] character (5) | nama<br>character varying (60) | jumlah_nota<br>bigint |
|---|----------------------------|--------------------------------|-----------------------|
| 1 | H2002                      | HERA                           | 22                    |
| 2 | R2006                      | RINI LU                        | 4                     |
| 3 | A2006                      | ATI MAULIN                     | 3                     |
| 4 | E2001                      | ELA                            | 3                     |
| 5 | I2001                      | IKE ERNA S                     | 3                     |

6. Select the invoice number (NO\_NOTA), date of entry (TGL\_MASUK), and total cost of the laundry receipt and display the top 5 data based on the smallest laundry receipt number.

Cost of Laundry Receipt = ND\_BANYAK x JL\_HARGA

|   | no_nota<br>integer | tgl_masuk<br>date | harga<br>numeric |
|---|--------------------|-------------------|------------------|
| 1 | 1                  | 2009-11-03        | 51000.00         |
| 2 | 2                  | 2009-11-03        | 23000.00         |
| 3 | 3                  | 2009-11-03        | 8000.00          |
| 4 | 4                  | 2009-11-03        | 15000.00         |
| 5 | 5                  | 2009-11-03        | 15000.00         |

7. Select the number and name of the customer who has **never used the 'SETRIKA' service**. Sort the data by smallest customer number (P\_NO).

|      | no_pelanggan<br>character (5) 🔒 | nama<br>character varying (60) 🔒 |
|------|---------------------------------|----------------------------------|
| 1    | A2001                           | ANISA                            |
| 2    | A2004                           | ADISTY DINA N                    |
| 3    | A2006                           | ATI MAULIN                       |
| 4    | A2007                           | ALFI FEBRIANA R                  |
| 5    | D2001                           | DITA RIZKI P                     |
| 6    | D2002                           | DINA PERTIWI                     |
| 7    | D2007                           | DITA AYU F.                      |
| 8    | E2001                           | ELA                              |
| .... |                                 |                                  |
| 19   | R2006                           | RINI LU                          |
| 20   | R2009                           | RIZKY JUSTITIAN                  |
| 21   | S2004                           | SATYA DERIAWAN HARTANTYO         |
| 22   | W2001                           | WINDIE                           |
| 23   | Z2001                           | ZACKY                            |

8. Select the total income earned by Laundry per month. Total income is obtained by adding up the total cost of notes ordered for that month, calculated from the date of entry. Sort data by newest year and smallest month.

|   | bulan<br>numeric 🔒 | tahun<br>numeric 🔒 | harga<br>numeric 🔒 |
|---|--------------------|--------------------|--------------------|
| 1 | 1                  | 2011               | 77000.00           |
| 2 | 7                  | 2010               | 137000.00          |
| 3 | 8                  | 2010               | 16000.00           |
| 4 | 11                 | 2009               | 977000.00          |

9. Select customer name, customer number, and total payment for the customer who **made the most transactions in July 2010**, calculated based on the total cost of all notes made in that month.

|   | no_pelanggan<br>character (5) 🔒 | nama<br>character varying (60) 🔒 | total_bayar<br>numeric 🔒 |
|---|---------------------------------|----------------------------------|--------------------------|
| 1 | H2002                           | HERA                             | 99000.00                 |

10. Show the percentage of the number of notes whose washing results have been taken by the customer (N\_STATUS = DIAMBIL). **Hint:** Use the ROUND function to round percentages.

|   |  |
|---|--|
|   | PROSENTASE_SUDAH_DIAMBIL(%)<br>numeric |
| 1 | 87.302                                 |