

1. Mysql

1a.

```
CREATE DATABASE jasa_angkut_barang;
```

```
USE jasa_angkut_barang;
```

```
5      -- Tabel Pengguna
6 •  CREATE TABLE pengguna
7  (
8      kode CHAR(9) PRIMARY KEY,
9      nama VARCHAR(50),
10     alamat VARCHAR(50),
11     nomor_telepon INT,
12     status_pengguna ENUM('pelanggan', 'pemilik', 'supir')
13 );
14
15 •  SELECT * FROM pengguna;
```

Result Grid					
	kode	nama	alamat	nomor_telepon	status_pengguna
*	NULL	NULL	NULL	NULL	NULL

```
18      -- Tabel Pemilik
19 •  CREATE TABLE pemilik
20  (
21      kode CHAR(9) PRIMARY KEY,
22      NPWP CHAR(20),
23      CONSTRAINT fk_kode_pengguna_pemilik FOREIGN KEY (kode) REFERENCES pengguna(kode)
24 );
```

Result Grid		
	kode	NPWP
*	NULL	NULL

```

29      -- Tabel Pelanggan
30 •  CREATE TABLE pelanggan
31  (
32      kode CHAR(9) PRIMARY KEY,
33      no_KTP CHAR(15),
34      CONSTRAINT fk_kode_pengguna_pelanggan FOREIGN KEY (kode) REFERENCES pengguna(kode)
35 );
36
37 •  SELECT * FROM pelanggan;

```

Result Grid		Filter Rows:	Edit:	Export/Import:	Wrap Cell Content:
*	kode no_KTP				
*	HULL HULL				

```

41 •  CREATE TABLE supir
42  (
43      kode CHAR(9) PRIMARY KEY,
44      no_SIM CHAR(16),
45      CONSTRAINT fk_kode_pengguna_supir FOREIGN KEY (kode) REFERENCES pengguna(kode)
46 );
47
48 •  SELECT * FROM supir;

```

Result Grid		Filter Rows:	Edit:	Export/Import:	Wrap Cell Content:
*	kode no_SIM				
*	HULL HULL				

```

51      -- Tabel Truk
52 •  CREATE TABLE truk
53  (
54      kode CHAR(9) PRIMARY KEY,
55      kode_pemilik CHAR(9),
56      model VARCHAR(20),
57      lisensi VARCHAR(10),
58      kapasitas INT,
59      status_truk ENUM('tersedia', 'dipakai', 'pemeliharaan'),
60      lokasi VARCHAR(20),
61      deskripsi VARCHAR(50),
62      CONSTRAINT fk_kode_pemilik_truk FOREIGN KEY (kode_pemilik) REFERENCES pemilik(kode)
63 );

```

Result Grid								Filter Rows:	Edit:	Export/Import:	Wrap Cell Content:	
	kode	kode_pemilik	model	lisensi	kapasitas	status_truk	lokasi	deskripsi				
*	HULL	HULL	HULL	HULL	HULL	HULL	HULL	HULL				

```

68      -- Tabel Booking
69 •  CREATE TABLE booking
70  (
71      kode CHAR(9) PRIMARY KEY,
72      kode_pelanggan CHAR(9),
73      kode_truk CHAR(9),
74      kode_supir CHAR (9),
75      tanggal_booking DATE,
76      tanggal_angkut DATE,
77      status_booking ENUM('pending', 'proses', 'selesai', 'batal'),
78      CONSTRAINT fk_kode_pelanggan_booking FOREIGN KEY (kode_pelanggan) REFERENCES pelanggan(kode),
79      CONSTRAINT fk_kode_truk_booking FOREIGN KEY (kode_truk) REFERENCES truk(kode),
80      CONSTRAINT fk_kode_supir_booking FOREIGN KEY (kode_supir) REFERENCES supir(kode)

```

Result Grid							
	kode	kode_pelanggan	kode_truk	kode_supir	tanggal_booking	tanggal_angkut	status_booking
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

```

86      -- Tabel Rute
87 •  CREATE TABLE rute
88  (
89      kode CHAR(9) PRIMARY KEY,
90      kode_booking CHAR(9),
91      lokasi_awal VARCHAR(50),
92      lokasi_akhir VARCHAR(50),
93      jarak_km INT,
94      estimasi_waktu_menit TIME,
95      CONSTRAINT fk_kode_booking_rute FOREIGN KEY (kode_booking) REFERENCES booking(kode)
96 );

```

Result Grid						
	kode	kode_booking	lokasi_awal	lokasi_akhir	jarak_km	estimasi_waktu_menit
*	NULL	NULL	NULL	NULL	NULL	NULL

```

101     -- Tabel Pembayaran
102 •  CREATE TABLE pembayaran
103  (
104      kode CHAR(9) PRIMARY KEY,
105      kode_booking CHAR(9),
106      jumlah INT,
107      tanggal_pembayaran DATE,
108      metode ENUM('QRIS', 'tunai', 'kartu kredit'),
109      CONSTRAINT fk_kode_booking_pembayaran FOREIGN KEY (kode_booking) REFERENCES booking(kode)
110 );
111

```

Result Grid					
	kode	kode_booking	jumlah	tanggal_pembayaran	metode
*	NULL	NULL	NULL	NULL	NULL

```

115      -- Tabel Pemeliharaan Truk
116 •  CREATE TABLE pemeliharaan_truk
117 (
118     kode CHAR(9) PRIMARY KEY,
119     kode_truk CHAR(9),
120     tanggal DATE,
121     deskripsi VARCHAR (50),
122     biaya INT,
123     CONSTRAINT fk_kode_truk_pemeliharaan_truk FOREIGN KEY (kode_truk) REFERENCES truk(kode)
124 );
125
126 •  SELECT * FROM pemeliharaan_truk;

```

Result Grid					
	kode	kode_truk	tanggal	deskripsi	biaya
*	NULL	NULL	NULL	NULL	NULL

```

129      -- Tabel Review
130 •  CREATE TABLE review
131 (
132     kode CHAR (9) PRIMARY KEY,
133     kode_booking CHAR(9),
134     kode_pelanggan CHAR(9),
135     nilai_rating INT,
136     komentar VARCHAR(50),
137     tanggal_review DATE,
138     CONSTRAINT fk_kode_booking_review FOREIGN KEY (kode_booking) REFERENCES booking(kode),
139     CONSTRAINT fk_kode_pelanggan_review FOREIGN KEY (kode_pelanggan) REFERENCES pelanggan(kode)
140 );

```

Result Grid						
	kode	kode_booking	kode_pelanggan	nilai_rating	komentar	tanggal_review
*	NULL	NULL	NULL	NULL	NULL	NULL

1b.

```

145      -- Input nilai di tabel pengguna
146 •  INSERT INTO pengguna
147     VALUES ('231112518', 'Tasya Syafriza', 'Jl.Eka Suka', 085765247899,'pelanggan'),
148     ('231112747', 'M.Dhani Irvansyah', 'Jl.Karya Bakti', 081265340291, 'pemilik'),
149     ('231111254', 'Delarosa Butar Butar', 'Jl.Tanjung', 085287659981, 'supir'),
150     ('231110569', 'Arya Ghuna Faturrahman', 'Jl.Berastagi', 081254809911, 'pelanggan'),
151     ('231111619', 'Raihan Azhari Lubis', 'Jl.Pinang', 081267982543, 'pelanggan');
152
153 •  SELECT * FROM pengguna;

```

Result Grid					
	kode	nama	alamat	nomor_telepon	status_pengguna
▶	231110569	Arya Ghuna Faturrahman	Jl.Berastagi	81254809911	pelanggan
	23111254	Delarosa Butar Butar	Jl.Tanjung	85287659981	supir
	231111619	Raihan Azhari Lubis	Jl.Pinang	81267982543	pelanggan
	231112518	Tasya Syafriza	Jl.Eka Suka	85765247899	pelanggan
	231112747	M.Dhani Irvansyah	Jl.Karya Bakti	81265340291	pemilik
*	NULL	NULL	NULL	NULL	NULL

```

155      -- Input nilai di tabel pemilik
156 •  INSERT INTO pemilik
157      VALUES ('2311112518','09.123.321.3-407.000'),
158      ('231111254','09.123.231.1-432.000'),
159      ('2311112747','09.345.543.2-231.000'),
160      ('231110569','09.456.654.3-333.000'),
161      ('231111619','09.567.765.4-222.000');
162
163 •  SELECT * FROM pemilik;

```

Result Grid | Filter Rows: _____ | Edit:

	kode	NPWP
▶	231110569	09.456.654.3-333.000
	231111254	09.123.231.1-432.000
	231111619	09.567.765.4-222.000
	231112518	09.123.321.3-407.000
	231112747	09.345.543.2-231.000
*	NULL	NULL

```

165      -- Input nilai di tabel pelanggan
166 •  INSERT INTO pelanggan
167      VALUES ('231112518','127660300041112'),
168      ('231111254','123654234543275'),
169      ('2311112747','234765364589654'),
170      ('231110569','986741294856284'),
171      ('231111619','572981537924568');
172
173 •  SELECT * FROM pelanggan;

```

Result Grid | Filter Rows: _____ | Edit:

	kode	no_KTP
▶	231110569	986741294856284
	231111254	123654234543275
	231111619	572981537924568
	231112518	127660300041112
	231112747	234765364589654
*	NULL	NULL

```

175      -- Input nilai di tabel supir
176 •  INSERT INTO supir
177      VALUES ('231112518','1222-9209-000363'),
178      ('231111254','2111-3243-162534'),
179      ('2311112747','6522-8426-136274'),
180      ('231110569','9847-1847-195738'),
181      ('231111619','7364-9137-146893');
182
183 •  SELECT * FROM supir;
184

```

Result Grid | Filter Rows: _____ | Edit:

	kode	no_SIM
▶	231110569	9847-1847-195738
	231111254	2111-3243-162534
	231111619	7364-9137-146893
	231112518	1222-9209-000363
	231112747	6522-8426-136274
*	NULL	NULL

```

185      -- Input nilai di tabel truk
186 •  INSERT INTO truk
187      VALUES ('BK2342ABA', '231112518', 'pickup', 'sim b', '4500', 'dipakai', 'Jl.Medan', 'aman'),
188      ('BK432EAA', '231111254', 'fuso', 'sim b', '5000', 'pemeliharaan', 'Jl.johor', 'bagus'),
189      ('BK534AWW', '231112747', 'hino', 'sim b', '7000', 'tersedia', 'Jl.Tanjung', 'aman'),
190      ('BK654EWW', '231110569', 'tronton', 'sim b', '3000', 'tersedia', 'Jl.perbaungan', 'terpercaya'),
191      ('BK769AJR', '231111619', 'wingbox', 'sim b', '2000', 'tersedia', 'Jl.pakam', 'mantap');

192
193 •  SELECT * FROM truk;

```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

	kode	kode_pemilik	model	lisensi	kapasitas	status_truk	lokasi	deskripsi
▶	BK2342ABA	231112518	pickup	sim b	4500	dipakai	Jl.Medan	aman
	BK432EAA	231111254	fuso	sim b	5000	pemeliharaan	Jl.johor	bagus
	BK534AWW	231112747	hino	sim b	7000	tersedia	Jl.Tanjung	aman
	BK654EWW	231110569	tronton	sim b	3000	tersedia	Jl.perbaungan	terpercaya
*	BK769AJR	231111619	wingbox	sim b	2000	tersedia	Jl.pakam	mantap
	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

truk 4 × Apply

```

195      -- Input nilai di tabel booking
196 •  INSERT INTO booking
197      VALUES ('A11045428', '231112518', 'BK2342ABA', '231112518', '2024-02-12', '2024-02-14', 'pending'),
198      ('B73648290', '231111254', 'BK432EAA', '231111254', '2024-03-01', '2024-03-04', 'proses'),
199      ('C39485726', '231112747', 'BK534AWW', '231112747', '2024-10-20', '2024-10-30', 'selesai'),
200      ('D76859432', '231110569', 'BK654EWW', '231110569', '2024-12-15', '2024-12-20', 'batal'),
201      ('E75849675', '231111619', 'BK769AJR', '231111619', '2024-04-07', '2024-04-20', 'proses');

202
203 •  SELECT * FROM booking;

```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

	kode	kode_pelanggan	kode_truk	kode_supir	tanggal_booking	tanggal_angkut	status_booking
▶	A11045428	231112518	BK2342ABA	231112518	2024-02-12	2024-02-14	pending
	B73648290	231111254	BK432EAA	231111254	2024-03-01	2024-03-04	proses
	C39485726	231112747	BK534AWW	231112747	2024-10-20	2024-10-30	selesai
	D76859432	231110569	BK654EWW	231110569	2024-12-15	2024-12-20	batal
*	E75849675	231111619	BK769AJR	231111619	2024-04-07	2024-04-20	proses
	NULL	NULL	NULL	NULL	NULL	NULL	NULL

booking 5 × Apply

```

205      -- Input nilai di tabel rute
206 •  INSERT INTO rute
207      VALUES ('JKT488594','A11045428','Medan','Jakarta','10','13:45:39'),
208      ('MDN546372','B73648290','Jakarta','Medan','12','15:31:12'),
209      ('BDG564738','C39485726','Bali','Bandung','14','01:12:32'),
210      ('SBY392093','D76859432','Papua','Surabaya','16','22:45:23'),
211      ('SMG754839','E75849675','Medan','Semarang','18','15:25:56');
212
213 •  SELECT * FROM rute;

```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap

	kode	kode_booking	lokasi_awal	lokasi_akhir	jarak_km	estimasi_waktu_menit
▶	BDG564738	C39485726	Bali	Bandung	14	01:12:32
	JKT488594	A11045428	Medan	Jakarta	10	13:45:39
	MDN546372	B73648290	Jakarta	Medan	12	15:31:12
	SBY392093	D76859432	Papua	Surabaya	16	22:45:23
*	SMG754839	E75849675	Medan	Semarang	18	15:25:56
*	NULL	NULL	NULL	NULL	NULL	NULL

route 6 ×

Output:

```

215      -- Input nilai di tabel pembayaran
216 •  INSERT INTO pembayaran
217      VALUES ('039485279','A11045428','2','2024-02-12','kartu kredit'),
218      ('758493657','B73648290','1','2024-03-01','tunai'),
219      ('574839205','C39485726','2','2024-10-20','QRIS'),
220      ('324156245','D76859432','1','2024-12-15','tunai'),
221      ('980786756','E75849675','1','2024-04-07','kartu kredit');
222
223 •  SELECT * FROM pembayaran;
224

```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap

	kode	kode_booking	jumlah	tanggal_pembayaran	metode
▶	039485279	A11045428	2	2024-02-12	kartu kredit
	324156245	D76859432	1	2024-12-15	tunai
	574839205	C39485726	2	2024-10-20	QRIS
	758493657	B73648290	1	2024-03-01	tunai
*	980786756	E75849675	1	2024-04-07	kartu kredit
*	NULL	NULL	NULL	NULL	NULL

dembavaran 7 ×

```

225      -- Input nilai di tabel pemeliharaan truk
226 •  INSERT INTO pemeliharaan_truk
227      VALUES ('SIBIRU123','BK2342ABA','2024-04-23','Ban bocor','500000'),
228      ('SIHIJAU56','BK432EAA','2024-05-23','Ganti oli','600000'),
229      ('SIMERAH52','BK534AWW','2024-09-21','Servis','850000'),
230      ('SIPUTIH07','BK654EWW','2024-12-09','ganti sepatu rem','250000'),
231      ('SIHITAM12','BK769AJR','2024-11-25','Radiator bocor','675000');
232
233 •  SELECT * FROM pemeliharaan_truk;
234

```

Result Grid | Filter Rows: Edit: Export/Import: | v

	kode	kode_truk	tanggal	deskripsi	biaya
▶	SIBIRU123	BK2342ABA	2024-04-23	Ban bocor	500000
	SIHIJAU56	BK432EAA	2024-05-23	Ganti oli	600000
	SIHITAM12	BK769AJR	2024-11-25	Radiator bocor	675000
	SIMERAH52	BK534AWW	2024-09-21	Servis	850000
*	SIPUTIH07	BK654EWW	2024-12-09	ganti sepatu rem	250000
*	NULL	NULL	NULL	NULL	NULL

pemeliharaan_truk 8 ×

```

235      -- Input nilai di tabel review
236 •  INSERT INTO review
237      VALUES ('574389275','A11045428','231112518','5','Pelayanannya bagus','2024-02-15'),
238      ('152653647','B73648290','231111254','4','barang cepat sampai','2024-03-05'),
239      ('758690367','C39485726','231112747','5','terpercaya','2024-10-31'),
240      ('275648390','D76859432','231110569','3','lambat','2024-12-21'),
241      ('678308475','E75849675','231111619','2','barang rusak','2024-04-11');
242
243 •  SELECT * FROM review;
244

```

Result Grid | Filter Rows: Edit: Export/Import: | Wrap Cell Content:

	kode	kode_booking	kode_pelanggan	nilai_rating	komentar	tanggal_review
▶	152653647	B73648290	23111254	4	barang cepat sampai	2024-03-05
	275648390	D76859432	231110569	3	lambat	2024-12-21
	574389275	A11045428	231112518	5	Pelayanannya bagus	2024-02-15
	678308475	E75849675	231111619	2	barang rusak	2024-04-11
*	758690367	C39485726	231112747	5	terpercaya	2024-10-31
*	NULL	NULL	NULL	NULL	NULL	NULL

```

245      -- tampilkan 4 data pelanggan yang paling banyak melakukan booking pada bulan dan tahun tertentu.
246      -- urutkan berdasarkan jumlah booking terbanyak.
247      -- output : kode, nama pengguna, dan jumlah booking.
248 •   SELECT p.kode AS kode_pelanggan, p.nama AS nama_pengguna, COUNT(b.kode) AS jumlah_booking
249      FROM pengguna p
250      JOIN booking b ON p.kode = b.kode_pelanggan
251      GROUP BY p.kode, p.nama
252      ORDER BY jumlah_booking DESC
253      LIMIT 4;
254

```

Result Grid			
	kode_pelanggan	nama_pengguna	jumlah_booking
▶	231110569	Arya Ghuna Faturrahman	1
	231111254	Delarosa Butar Butar	1
	231111619	Raihan Azhari Lubis	1
	231112518	Tasya Syafriza	1

1d.

```

255      -- tampilkan jumlah booking per status dengan menggunakan objek view.
256      -- output : status booking dan jumlah.
257 •   CREATE VIEW jumlah_booking_per_status AS
258      SELECT status_booking, COUNT(*) AS jumlah
259      FROM booking
260      GROUP BY status_booking;
261
262 •   SELECT * FROM jasa_angkut_barang.jumlah_booking_per_status;

```

Result Grid		
	status_booking	jumlah
▶	pending	1
	proses	2
	selesai	1
	batal	1

1e.

Note : izin miss karena kami hanya menggunakan 5 data, dan yang termasuk kedalam kriteria bulan 2 dan tahun 2024 hanya 1 data, jadi outputnya hanya menampilkan 1 data.

```

264    -- tampilan 4 data booking yang memiliki rute (jumlah km)
265    -- paling panjang pada bulan dan tahun tertentu dengan menggunakan objek procedure
266    -- yang memiliki 2 (dua) input parameter, yaitu bulan dan tahun.
267    -- output : kode booking, kode pelanggan, kode supir.
268    DELIMITER //
269 •  CREATE PROCEDURE rute_paling_panjang (IN p_bulan INT, IN p_tahun INT)
270 BEGIN
271     SELECT b.kode AS kode_booking, b.kode_pelanggan, b.kode_supir
272     FROM booking b
273     JOIN rute r ON b.kode = r.kode_booking
274     WHERE MONTH(b.tanggal_booking) = p_bulan
275     AND YEAR(b.tanggal_booking) = p_tahun
276     ORDER BY r.jarak_km DESC

```

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	kode_booking	kode_pelanggan	kode_supir		
▶	A11045428	231112518	231112518		

1f.

```

284    -- tampilkan data truk yang belum pernah di-maintenance(pemeliharaan).
285    -- output : kode truk, model, kode pemilik, nama pemilik.
286 •  SELECT t.kode AS kode_truk, t.model, p.kode AS kode_pemilik, pengguna.nama AS nama_pemilik
287    FROM truk t
288    JOIN pemilik p ON t.kode_pemilik = p.kode
289    JOIN pengguna ON p.kode = pengguna.kode
290    WHERE t.status_truk != 'pemeliharaan';
291

```

Result Grid				Filter Rows:	Export:	Wrap Cell Content:
	kode_truk	model	kode_pemilik	nama_pemilik		
▶	BK2342ABA	pickup	231112518	Tasya Syafriza		
	BK534AWW	hino	231112747	M.Dhani Irvansyah		
	BK654EWW	tronton	231110569	Arya Ghuna Faturrahman		
	BK769AJR	wingbox	231111619	Raihan Azhari Lubis		

2.MongoDb

Soal 2 A & B

```
jasa_angkut_barang> show dbs
admin                  40.00 KiB
config                 108.00 KiB
jasa_angkut_barang    400.00 KiB
local                  72.00 KiB
```

```
jasa_angkut_barang> show collections
booking
pelanggan
pembayaran
pemeliharaan_truk
pemilik
pengguna
review
rute
supir
truk
```

```
jasa_angkut_barang> db.pengguna.insert([
...   {"kode" : "231112518", "nama": "Tasya Syafriza", "alamat" : "Jl.Eka Suka", "nomor_telepon" : 085765247899, "status_pengguna" :"pelanggan"}, 
...   {"kode" : "231112747", "nama": "M.Dhani Irvansyah", "alamat" : "Jl.Karya Bakti", "nomor_telepon" : 081265340291, "status_pengguna" :"pemilik"}, 
...   {"kode" : "231111254", "nama": "Delarosa Butar Butar", "alamat" : "Jl.Tanjung", "nomor_telepon" : 085287659981, "status_pengguna" :"supir"}, 
...   {"kode" : "231110569", "nama": "Arya Ghuna Faturrahman", "alamat" : "Jl.Berastagi", "nomor_telepon" : 081254809911, "status_pengguna" :"pelanggan"}, 
...   {"kode" : "231111619", "nama": "Raihan Azhari Lubis", "alamat" : "Jl.Pinang", "nomor_telepon" : 081267982543, "status_pengguna" :"pelanggan"} 
... ]);
DeprecationWarning: Collection.insert() is deprecated. Use insertOne, insertMany, or bulkWrite.
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('6686bfa0022ce540c6cc8988'),
    '1': ObjectId('6686bfa0022ce540c6cc8989'),
    '2': ObjectId('6686bfa0022ce540c6cc898a'),
    '3': ObjectId('6686bfa0022ce540c6cc898b'),
    '4': ObjectId('6686bfa0022ce540c6cc898c')
  }
}
```

```
jasa_angkut_barang> db.pemilik.insert([
...   {"kode" : "231112518", "NPWP" : "09.123.321.3-407.000"}, 
...   {"kode" : "231111254", "NPWP" : "09.123.231.1-432.000"}, 
...   {"kode" : "231112747", "NPWP" : "09.345.543.2-231.000"}, 
...   {"kode" : "231110569", "NPWP" : "09.456.654.3-333.000"}, 
...   {"kode" : "231111619", "NPWP" : "09.567.765.4-222.000"} 
... ]);
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('6686bfa8022ce540c6cc898d'),
    '1': ObjectId('6686bfa8022ce540c6cc898e'),
    '2': ObjectId('6686bfa8022ce540c6cc898f'),
    '3': ObjectId('6686bfa8022ce540c6cc8990'),
    '4': ObjectId('6686bfa8022ce540c6cc8991')
  }
}
```

```
jasa_angkut_barang> db.pelanggan.insert([
...     {"kode": "231112518", "no_KTP" : "127660300041112"}, 
...     {"kode": "231111254", "no_KTP" : "123654234543275"}, 
...     {"kode": "231112747", "no_KTP" : "234765364589654"}, 
...     {"kode": "231110569", "no_KTP" : "986741294856284"}, 
...     {"kode": "231111619", "no_KTP" : "572981537924568"} 
... ]);
{
    acknowledged: true,
    insertedIds: {
        '0': ObjectId('6686bfaf022ce540c6cc8992'),
        '1': ObjectId('6686bfaf022ce540c6cc8993'),
        '2': ObjectId('6686bfaf022ce540c6cc8994'),
        '3': ObjectId('6686bfaf022ce540c6cc8995'),
        '4': ObjectId('6686bfaf022ce540c6cc8996')
    }
}
```

```
jasa_angkut_barang> db.supir.insert([
...     {"kode" : "231112518", "no_SIM" : "1222-9209-000363"}, 
...     {"kode" : "231111254", "no_SIM" : ""}, 
...     {"kode" : "231112747", "no_SIM" : "6522-8426-136274"}, 
...     {"kode" : "231110569", "no_SIM" : "9847-1847-195738"}, 
...     {"kode" : "231111619", "no_SIM" : "7364-9137-146893"} 
... ]);
{
    acknowledged: true,
    insertedIds: {
        '0': ObjectId('6686bfb7022ce540c6cc8997'),
        '1': ObjectId('6686bfb7022ce540c6cc8998'),
        '2': ObjectId('6686bfb7022ce540c6cc8999'),
        '3': ObjectId('6686bfb7022ce540c6cc899a'),
        '4': ObjectId('6686bfb7022ce540c6cc899b')
    }
}
```

```
jasa_angkut_barang> db.truk.insert([
...     {"kode" : "BK2342ABA","kode_pemilik" : "231112518","model": "pickup","lisensi" :"sim b","kapasitas_ton": 2,"status_truk": "dipakai","lokasi" : "Jl.Medan","deskripsi": "aman"}, 
...     {"kode" : "BK432EAA","kode_pemilik" : "231111254","model": "fuso","lisensi" :"sim b","kapasitas_ton":3,"status_truk": "pemeliharaan","lokasi" : "Jl.johor","deskripsi": "bagus"}, 
...     {"kode" : "BK534AWW","kode_pemilik" : "231112747","model": "hino","lisensi" :"sim b","kapasitas_ton":4,"status_truk": "tersedia","lokasi" : "Jl.Tanjung","deskripsi": "aman"}, 
...     {"kode" : "BK654EWW","kode_pemilik" : "231110569","model": "tronton","lisensi" :"sim b","kapasitas_ton":7,"status_truk": "tersedia","lokasi" : "Jl.perbaungan","deskripsi": "terpercaya"}, 
...     {"kode" : "BK769AJR","kode_pemilik" : "231111619","model": "wingbox","lisensi" :"sim b","kapasitas_ton":9,"status_truk": "tersedia","lokasi" : "Jl.pakam","deskripsi": "mantap"} 
... ]);
{
    acknowledged: true,
    insertedIds: {
        '0': ObjectId('6686bfca022ce540c6cc899c'),
        '1': ObjectId('6686bfca022ce540c6cc899d'),
        '2': ObjectId('6686bfca022ce540c6cc899e'),
        '3': ObjectId('6686bfca022ce540c6cc899f'),
        '4': ObjectId('6686bfca022ce540c6cc89a0')
    }
}
```

```
jasa_angkut_barang> db.booking.insert([
...     {"kode": "A11045428","kode_pelanggan": "231112518","kode_truk": "BK2342ABA","kode_supir": "231112518","tanggal_booking": new Date("2024-02-12T00:00:00Z"),"tanggal_angkut": new Date("2024-02-14T00:00:00Z"),"status_booking": "pending"}, 
...     {"kode": "B73648290","kode_pelanggan": "231111254","kode_truk": "BK432EAA","kode_supir": "231111254","tanggal_booking": new Date("2024-03-01T00:00:00Z"),"tanggal_angkut": new Date("2024-03-04T00:00:00Z"),"status_booking": "proses"}, 
...     {"kode": "C39485726","kode_pelanggan": "231112747","kode_truk": "BK534AWW","kode_supir": "231112747","tanggal_booking": new Date("2024-10-20T00:00:00Z"),"tanggal_angkut": new Date("2024-10-30T00:00:00Z"),"status_booking": "selesai"}, 
...     {"kode": "D76859432","kode_pelanggan": "231110569","kode_truk": "BK654EWW","kode_supir": "231110569","tanggal_booking": new Date("2024-12-15T00:00:00Z"),"tanggal_angkut": new Date("2024-12-20T00:00:00Z"),"status_booking": "batal"}, 
...     {"kode": "E75849675","kode_pelanggan": "231111619","kode_truk": "BK769AJR","kode_supir": "231111619","tanggal_booking": new Date("2024-04-07T00:00:00Z"),"tanggal_angkut": new Date("2024-04-20T00:00:00Z"),"status_booking": "proses"} 
... ]);
{
    acknowledged: true,
    insertedIds: {
        '0': ObjectId('6686bfd4022ce540c6cc89a1'),
        '1': ObjectId('6686bfd4022ce540c6cc89a2'),
        '2': ObjectId('6686bfd4022ce540c6cc89a3'),
        '3': ObjectId('6686bfd4022ce540c6cc89a4'),
        '4': ObjectId('6686bfd4022ce540c6cc89a5')
    }
}
```

```
jasa_angkut_barang> db.rute.insert([
...     {"kode": "JKT488594","kode_booking": "A11045428","lokasi_awal": "Medan","lokasi_akhir": "Jakarta","jarak_km": 10,"estimasi_waktu_menit": new Date("2024-04-07T13:45:39Z")}, 
...     {"kode": "MDN546372","kode_booking": "B73648290","lokasi_awal": "Jakarta","lokasi_akhir": "Medan","jarak_km":12,"estimasi_waktu_menit":new Date("2024-04-07T15:31:12Z")}, 
...     {"kode": "BDG564738","kode_booking": "C39485726","lokasi_awal": "Bali","lokasi_akhir": "Bandung","jarak_km":14,"estimasi_waktu_menit":new Date("2024-04-07T01:12:32Z")}, 
...     {"kode": "SBY392093","kode_booking": "D76859432","lokasi_awal": "Papua","lokasi_akhir": "Surabaya","jarak_km":16,"estimasi_waktu_menit":new Date("2024-04-07T22:45:23Z")}, 
...     {"kode": "SMG754839","kode_booking": "E75849675","lokasi_awal": "Medan","lokasi_akhir": "Semarang","jarak_km":18,"estimasi_waktu_menit":new Date("2024-04-07T15:25:56Z")} 
... ]);
{
    acknowledged: true,
    insertedIds: {
        '0': ObjectId('6686bffe022ce540c6cc89ab'),
        '1': ObjectId('6686bffe022ce540c6cc89ac'),
        '2': ObjectId('6686bffe022ce540c6cc89ad'),
        '3': ObjectId('6686bffe022ce540c6cc89ae'),
        '4': ObjectId('6686bffe022ce540c6cc89af')
    }
}
```

```
jasa_angkut_barang> db.pembayaran.insert([
...     {"kode": "039485279","kode_booking": "A11045428","jumlah":2,"tanggal_pembayaran":new Date("2024-02-12T00:00:00Z") , "metode": "kartu kredit"}, 
...     {"kode": "758493657","kode_booking": "B73648290","jumlah":1,"tanggal_pembayaran":new Date("2024-03-01T00:00:00Z"),"metode": "tunai"}, 
...     {"kode": "574839205","kode_booking": "C39485726","jumlah":2,"tanggal_pembayaran":new Date("2024-10-20T00:00:00Z"),"metode": "Qris"}, 
...     {"kode": "324156245","kode_booking": "D76859432","jumlah":1,"tanggal_pembayaran":new Date("2024-12-15T00:00:00Z"),"metode": "tunai"}, 
...     {"kode": "980786756","kode_booking": "E75849675","jumlah":1,"tanggal_pembayaran":new Date("2024-04-07T00:00:00Z"),"metode": "kartu kredit"} 
... ]);
{
    acknowledged: true,
    insertedIds: {
        '0': ObjectId('6686bfe9022ce540c6cc89a6'),
        '1': ObjectId('6686bfe9022ce540c6cc89a7'),
        '2': ObjectId('6686bfe9022ce540c6cc89a8'),
        '3': ObjectId('6686bfe9022ce540c6cc89a9'),
        '4': ObjectId('6686bfe9022ce540c6cc89aa')
    }
}
```

```
jasa_angkut_barang> db.pemeliharaan_truk.insert([
...   {"kode": "SIBIRU123", "kode_truk": "BK2342ABA", "tanggal": new Date("2024-04-23T00:00:00Z"), "deskripsi": "Ban bocor", "biaya_juta": 5},
...   {"kode": "SIHIJAU56", "kode_truk": "BK432EAA", "tanggal": new Date("2024-05-23T00:00:00Z"), "deskripsi": "Ganti oli", "biaya_juta": 6},
...   {"kode": "SIMERAH52", "kode_truk": "BK534AWW", "tanggal": new Date("2024-09-21T00:00:00Z"), "deskripsi": "Servis", "biaya_juta": 8},
...   {"kode": "SIPUTIH07", "kode_truk": "BK654EWW", "tanggal": new Date("2024-12-09T00:00:00Z"), "deskripsi": "ganti sepatu rem", "biaya_juta": 3},
...   {"kode": "SIHITAM12", "kode_truk": "BK769AJR", "tanggal": new Date("2024-11-25T00:00:00Z"), "deskripsi": "Radiator bocor", "biaya_juta": 9}
... ]);
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('6686c012022ce540c6cc89b0'),
    '1': ObjectId('6686c012022ce540c6cc89b1'),
    '2': ObjectId('6686c012022ce540c6cc89b2'),
    '3': ObjectId('6686c012022ce540c6cc89b3'),
    '4': ObjectId('6686c012022ce540c6cc89b4')
  }
}
jasa_angkut_barang> db.review.insert([
jasa_angkut_barang> db.review.insert([
...   {"kode": "574389275", "kode_booking": "A11045428", "kode_pelanggan": "231112518", "nilai_rating": 5, "komentar": "Pelayanannya bagus", "tanggal_review": new Date("2024-02-15T00:00:00Z")},
...   {"kode": "152653647", "kode_booking": "B73648290", "kode_pelanggan": "231111254", "nilai_rating": 4, "komentar": "barang cepat sampai", "tanggal_review": new Date("2024-03-05T00:00:00Z")},
...   {"kode": "758690367", "kode_booking": "C39485726", "kode_pelanggan": "231112747", "nilai_rating": 5, "komentar": "terpercaya", "tanggal_review": new Date("2024-10-31T00:00:00Z")},
...   {"kode": "275648390", "kode_booking": "D76859432", "kode_pelanggan": "231110569", "nilai_rating": 3, "komentar": "lambat", "tanggal_review": new Date("2024-12-21T00:00:00Z")},
...   {"kode": "678308475", "kode_booking": "E75849675", "kode_pelanggan": "231111619", "nilai_rating": 2, "komentar": "barang rusak", "tanggal_review": new Date("2024-04-11T00:00:00Z")}
... ]);
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('6686c01b022ce540c6cc89b5'),
    '1': ObjectId('6686c01b022ce540c6cc89b6'),
    '2': ObjectId('6686c01b022ce540c6cc89b7'),
    '3': ObjectId('6686c01b022ce540c6cc89b8'),
    '4': ObjectId('6686c01b022ce540c6cc89b9')
  }
}

```

Tabel Pengguna

The screenshot shows the MongoDB Compass interface with the following details:

- Database:** jasa_angkut_barang
- Collection:** pengguna
- Documents:** There are 5 documents listed:
 - Pelanggan:**
 - kode: "231112518"
 - nama: "Fitria Frizca"
 - alamat: "JL.Eka Suka"
 - nomor_telepon: 85765247899
 - status_pengguna: "pelanggan"
 - Pemilik:**
 - kode: "231112747"
 - nama: "M.Dhani Irwansyah"
 - alamat: "JL.Karya Bakti"
 - nomor_telepon: 81268346291
 - status_pengguna: "pemilik"
 - Supir:**
 - kode: "231110569"
 - nama: "Rama Butar Butar"
 - alamat: "JL.Tanjung"
 - nomor_telepon: 85287659981
 - status_pengguna: "supir"
 - Truk:**
 - kode: "231111619"
 - nama: "Krya Ghina Faturrahman"
 - alamat: "JL.Berastagi"
 - nomor_telepon: 81254899911
 - status_pengguna: "pelanggan"
 - Truk:**
 - kode: "231110699"
 - nama: "Achari Lubis"
 - alamat: "JL.Pinang"
 - nomor_telepon: 81267982543
 - status_pengguna: "pelanggan"

Tabel Pemilik

MongoDB Compass - localhost:27017/jasa_angkut_barang.pemilik

Connect Edit View Collection Help

localhost:27017 pemilik

localhost:27017 > jasa_angkut_barang > pemilik

Documents 5 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or [Generate query](#):

[ADD DATA](#) [EXPORT DATA](#) [UPDATE](#) [DELETE](#)

1 - 5 of 5

`_id: ObjectId('6686bfa8022ce540c6cc898d')`
`kode : "231112518"`
`NPWP : "09.123.321.3-407.000"`

`_id: ObjectId('6686bfa8022ce540c6cc898e')`
`kode : "231111254"`
`NPWP : "09.123.231.1-432.000"`

`_id: ObjectId('6686bfa8022ce540c6cc898f')`
`kode : "231112747"`
`NPWP : "09.345.543.2-231.000"`

`_id: ObjectId('6686bfa8022ce540c6cc8990')`
`kode : "231110569"`
`NPWP : "09.456.654.3-333.000"`

`_id: ObjectId('6686bfa8022ce540c6cc8991')`
`kode : "231111619"`
`NPWP : "09.567.765.4-222.000"`

Editor icons: Pencil, Copy, Paste, Delete

>_MONGOSH

83°F Mostly cloudy

Search bar

System tray: Weather, Search, Taskbar icons, Date/Time (11/07/2024), Volume, Battery

Tabel Pelanggan

MongoDB Compass - localhost:27017/jasa_angkut_barang.pelanggan

Connect Edit View Collection Help

localhost:27017 pelanggan

localhost:27017 > jasa_angkut_barang > pelanggan

Documents 5 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or [Generate query](#):

[ADD DATA](#) [EXPORT DATA](#) [UPDATE](#) [DELETE](#)

1 - 5 of 5

`_id: ObjectId('6686bfaf022ce540c6cc8992')`
`kode : "231112518"`
`no_KTP : "127660300041112"`

`_id: ObjectId('6686bfaf022ce540c6cc8993')`
`kode : "231111254"`
`no_KTP : "12365423453275"`

`_id: ObjectId('6686bfaf022ce540c6cc8994')`
`kode : "231112747"`
`no_KTP : "234765364589654"`

`_id: ObjectId('6686bfaf022ce540c6cc8995')`
`kode : "231110569"`
`no_KTP : "986741294856284"`

`_id: ObjectId('6686bfaf022ce540c6cc8996')`
`kode : "231111619"`
`no_KTP : "572981537924568"`

Editor icons: Pencil, Copy, Paste, Delete

>_MONGOSH

83°F Mostly cloudy

Search bar

System tray: Weather, Search, Taskbar icons, Date/Time (11/07/2024), Volume, Battery

Tabel Supir

MongoDB Compass - localhost:27017/jasa_angkut_barang.supir

Connect Edit View Collection Help

localhost:27017 supir

localhost:27017 > jasa_angkut_barang > supir

Documents 5 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or Generate query *

Explain Reset Find Options

ADD DATA EXPORT DATA UPDATE DELETE

1–5 of 5

```
_id: ObjectId('668fe294d8c5e6f1b2cc898d')
kode : "231112518"
no_SIM : "1222-9209-000363"

_id: ObjectId('668fe294d8c5e6f1b2cc898e')
kode : "23111254"
no_SIM : ""

_id: ObjectId('668fe294d8c5e6f1b2cc898f')
kode : "231112747"
no_SIM : "6522-8426-136274"

_id: ObjectId('668fe294d8c5e6f1b2cc8990')
kode : "231110569"
no_SIM : "9847-1847-195738"

_id: ObjectId('668fe294d8c5e6f1b2cc8991')
kode : "231111619"
no_SIM : "7364-9137-146893"
```

>_MONGOSH

84° Search

20:48 11/07/2024

Tabel Truk

MongoDB Compass - localhost:27017/jasa_angkut_barang.truk

Connect Edit View Collection Help

localhost:27017 truk

localhost:27017 > jasa_angkut_barang > truk

Documents 5 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or Generate query *

Explain Reset Find Options

ADD DATA EXPORT DATA UPDATE DELETE

1–5 of 5

```
_id: ObjectId('6686bfca022ce540c6cc899c')
kode : "BK342ABA"
kode_pemilik : "231112518"
model : "pickup"
lisensi: "sim b"
kapasitas_ton : 2
status_truk : "dipakai"
lokasi : "jl.Medan"
deskripsi : "aman"

_id: ObjectId('6686bfca022ce540c6cc899d')
kode : "BK432EAA"
kode_pemilik : "231111254"
model : "fuso"
lisensi: "sim b"
kapasitas_ton : 3
status_truk : "pemeliharaan"
lokasi : "jl.johor"
deskripsi : "bagus"

_id: ObjectId('6686bfca022ce540c6cc899e')
kode : "BK534AWW"
kode_pemilik : "231112747"
model : "hino"
lisensi: "sim b"
kapasitas_ton : 4
status_truk : "tersedia"
lokasi : "jl.Tanjung"
deskripsi : "aman"
```

>_MONGOSH

83°F Mostly cloudy

Search

20:35 11/07/2024

MongoDB Compass - localhost:27017/jasa_angkut_barang.truk

Connect Edit View Collection Help

localhost:27017 ...

Truk

localhost:27017 > jasa_angkut_barang > truk

Documents 5 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or [Generate query](#).

Explain Reset Find Options

[ADD DATA](#) [EXPORT DATA](#) [UPDATE](#) [DELETE](#)

1-5 of 5

[...](#) [...](#) [...](#) [...](#)

```
_id: ObjectId('6686bfca022ce540c6cc899f')
kode : "BK654EW"
kode_pemilik: "231110569"
model: "tronton"
lisensi: "sim b"
kapasitas_ton: 7
status_truk: "tersedia"
lokasi: "Jl.perbaungan"
deskripsi: "terpercaya"

_id: ObjectId('6686bfca022ce540c6cc89a0')
kode : "BK769AJR"
kode_pemilik: "231111619"
model: "wingbox"
lisensi: "sim b"
kapasitas_ton: 9
status_truk: "tersedia"
lokasi: "Jl.pakam"
deskripsi: "mantap"
```

>_MONGOSH

83°F Mostly cloudy

Search

Windows Taskbar: Search, File Explorer, Edge, Google Chrome, File, Task View, Task Manager, Power User, Date/Time

Tabel Booking

MongoDB Compass - localhost:27017/jasa_angkut_barang.booking

Connect Edit View Collection Help

localhost:27017 ...

booking

localhost:27017 > jasa_angkut_barang > booking

Documents 5 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or [Generate query](#).

Explain Reset Find Options

[ADD DATA](#) [EXPORT DATA](#) [UPDATE](#) [DELETE](#)

1-5 of 5

[...](#) [...](#) [...](#) [...](#)

```
_id: ObjectId('6686bfd4022ce540c6cc89a1')
kode : "A1104542B"
kode_pelanggan : "231112518"
kode_truk : "BK2342ABA"
kode_supir: "231112518"
tanggal_booking : 2024-02-12T00:00:00.000+00:00
tanggal_angkut : 2024-02-14T00:00:00.000+00:00
status_booking : "pending"

_id: ObjectId('6686bfd4022ce540c6cc89a2')
kode : "B7364829B"
kode_pelanggan : "231111254"
kode_truk : "BK432EEA"
kode_supir : "231111254"
tanggal_booking : 2024-03-01T00:00:00.000+00:00
tanggal_angkut : 2024-03-04T00:00:00.000+00:00
status_booking : "proses"

_id: ObjectId('6686bfd4022ce540c6cc89a3')
kode : "C39485726"
kode_pelanggan : "231112747"
kode_truk : "BK534AWW"
kode_supir : "231112747"
tanggal_booking : 2024-10-20T00:00:00.000+00:00
tanggal_angkut : 2024-10-30T00:00:00.000+00:00
status_booking : "selesai"
```

>_MONGOSH

83°F Mostly cloudy

Search

Windows Taskbar: Search, File Explorer, Edge, Google Chrome, File, Task View, Task Manager, Power User, Date/Time

MongoDB Compass - localhost:27017/jasa_angkut_barang.booking

Connect Edit View Collection Help

localhost:27017 ... booking

localhost:27017 > jasa_angkut_barang > booking

Documents 5 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or [Generate query](#)

[ADD DATA](#) [EXPORT DATA](#) [UPDATE](#) [DELETE](#)

1 - 5 of 5

```
_id: ObjectId('6686bfd4022ce540c6cc89a4')
kode : "D7685943"
kode_pelanggan : "2311110569"
kode_truk : "BK654EW"
kode_supir : "231110569"
tanggal_booking : 2024-12-15T00:00:00.000+00:00
tanggal_angkut : 2024-12-20T00:00:00.000+00:00
status_booking : "batal"

_id: ObjectId('6686bfd4022ce540c6cc89a5')
kode : "E75849675"
kode_pelanggan : "2311111619"
kode_truk : "BK769AJR"
kode_supir : "2311111619"
tanggal_booking : 2024-04-07T00:00:00.000+00:00
tanggal_angkut : 2024-04-20T00:00:00.000+00:00
status_booking : "proses"
```

Search

Databases

- admin
- config
- jasa_angkut_barang
 - booking
 - pelanggan
 - pembayaran
 - pemeliharaan_truk
 - pemilik
 - pengguna
 - review
 - route
 - supir
 - truk
- local

_MONGOSH

83°F Mostly cloudy

Search

Windows Taskbar

Tabel Rute

MongoDB Compass - localhost:27017/jasa_angkut_barang.route

Connect Edit View Collection Help

localhost:27017 ... route

localhost:27017 > jasa_angkut_barang > route

Documents 5 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or [Generate query](#)

[ADD DATA](#) [EXPORT DATA](#) [UPDATE](#) [DELETE](#)

1 - 5 of 5

```
_id: ObjectId('6686bffe022ce540c6cc89ab')
kode : "JKT488594"
kode_booking : "A11045428"
lokasi_awal : "Medan"
lokasi_akhir : "Jakarta"
jarak_km : 10
estimasi_waktu_menit : 2024-04-07T13:45:39.000+00:00

_id: ObjectId('6686bffe022ce540c6cc89ac')
kode : "MDN546372"
kode_booking : "B73648290"
lokasi_awal : "Jakarta"
lokasi_akhir : "Medan"
jarak_km : 12
estimasi_waktu_menit : 2024-04-07T15:31:12.000+00:00

_id: ObjectId('6686bffe022ce540c6cc89ad')
kode : "BDG564738"
kode_booking : "C39485726"
lokasi_awal : "Bali"
lokasi_akhir : "Bandung"
jarak_km : 14
estimasi_waktu_menit : 2024-04-07T01:12:32.000+00:00
```

Search

Databases

- admin
- config
- jasa_angkut_barang
 - booking
 - pelanggan
 - pembayaran
 - pemeliharaan_truk
 - pemilik
 - pengguna
 - review
 - route
 - supir
 - truk
- local

_MONGOSH

83°F Mostly cloudy

Search

Windows Taskbar

MongoDB Compass - localhost:27017/jasa_angkut_barang.rute

Connect Edit View Collection Help

localhost:27017 ...

My Queries Performance Databases Search

Databases admin config jasa_angkut_barang booking pelanggan pembayaran pemeliharaan_truk pemilik pengguna review rute supir truk local

_MONGOSH

83°F Mostly cloudy

Search

localhost:27017 > jasa_angkut_barang > rute

Documents 5 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or [Generate query](#).

ADD DATA EXPORT DATA UPDATE DELETE Explain Reset Find Options

1 - 5 of 5

`_id: ObjectId('6686bffe022ce540c6cc89ae')
kode : "SBY392093"
kode_booking : "D76859432"
lokasi_awal : "Papua"
lokasi_akhir : "Surabaya"
jarak_km : 16
estimasi_waktu_menit : 2024-04-07T22:45:23.000+00:00`

`_id: ObjectId('6686bffe022ce540c6cc89af')
kode : "SMG754839"
kode_booking : "E75849675"
lokasi_awal : "Medan"
lokasi_akhir : "Semarang"
jarak_km : 18
estimasi_waktu_menit : 2024-04-07T15:25:56.000+00:00`

2024-04-07T22:45:23.000+00:00

2024-04-07T15:25:56.000+00:00

Search

83°F Mostly cloudy

20:37 11/07/2024

Tabel pembayaran

MongoDB Compass - localhost:27017/jasa_angkut_barang.pembayaran

Connect Edit View Collection Help

localhost:27017 ...

My Queries Performance Databases Search

Databases admin config jasa_angkut_barang booking pelanggan pembayaran pemeliharaan_truk pemilik pengguna review rute supir truk local

_MONGOSH

83°F Mostly cloudy

Search

localhost:27017 > jasa_angkut_barang > pembayaran

Documents 5 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or [Generate query](#).

ADD DATA EXPORT DATA UPDATE DELETE Explain Reset Find Options

1 - 5 of 5

`_id: ObjectId('6686bfe9022ce540c6cc89a6')
kode : "039485279"
kode_booking : "A11045428"
jumlah : "2"
tanggal_pembayaran : 2024-02-12T00:00:00.000+00:00
metode : "kartu kredit"`

`_id: ObjectId('6686bfe9022ce540c6cc89a7')
kode : "758493657"
kode_booking : "B73648298"
jumlah : "1"
tanggal_pembayaran : 2024-03-01T00:00:00.000+00:00
metode : "tunai"`

`_id: ObjectId('6686bfe9022ce540c6cc89a8')
kode : "574839205"
kode_booking : "C39485726"
jumlah : "2"
tanggal_pembayaran : 2024-10-20T00:00:00.000+00:00
metode : "QRIS"`

Search

83°F Mostly cloudy

20:37 11/07/2024

MongoDB Compass - localhost:27017/jasa_angkut_barang.pembayaran

Connect Edit View Collection Help

localhost:27017 ...

pembayaran

localhost:27017 > jasa_angkut_barang > pembayaran

Documents 5 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or [Generate query](#).

EXPLAIN Reset FIND Options

ADD DATA EXPORT DATA UPDATE DELETE

1 - 5 of 5

`_id: ObjectId('6686bfe9022ce540c6cc89a9')
kode : "324156245"
kode_booking : "D76859432"
jumlah : "1"
tanggal_pembayaran : 2024-12-15T00:00:00.000+00:00
metode : "tunai"`

`_id: ObjectId('6686bfe9022ce540c6cc89aa')
kode : "980786756"
kode_booking : "E75849675"
jumlah : "1"
tanggal_pembayaran : 2024-04-07T00:00:00.000+00:00
metode : "kartu kredit"`

Search

Databases admin config jasa_angkut_barang booking pelanggan pembayaran pemeliharaan_truk pemilik pengguna review rute supir

> MONGOSH

83°F Mostly cloudy

Search

20:38 11/07/2024

Tabel Pemeliharaan Truk

MongoDB Compass - localhost:27017/jasa_angkut_barang.pemeliharaan_truk

Connect Edit View Collection Help

localhost:27017 ...

pemeliharaan_truk

localhost:27017 > jasa_angkut_barang > pemeliharaan_truk

Documents 5 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or [Generate query](#).

EXPLAIN Reset FIND Options

ADD DATA EXPORT DATA UPDATE DELETE

1 - 5 of 5

`_id: ObjectId('6686c507022ce540c6cc89ba')
kode : "SIBIRU123"
kode_truk : "BK2342ABA"
tanggal : 2024-04-23T00:00:00.000+00:00
deskripsi : "Ban bocor"
biaya_juta : 5`

`_id: ObjectId('6686c507022ce540c6cc89bb')
kode : "SIHJAUS6"
kode_truk : "BK432EAA"
tanggal : 2024-06-23T00:00:00.000+00:00
deskripsi : "Ganti oli"
biaya_juta : 6`

Search

Databases admin config jasa_angkut_barang booking pelanggan pembayaran pemeliharaan_truk pemilik pengguna review rute supir

> MONGOSH

83°F Mostly cloudy

Search

20:38 11/07/2024

MongoDB Compass - localhost:27017/jasa_angkut_barang.pemeliharaan_truk

Connect Edit View Collection Help

localhost:27017 ...

My Queries Performance Databases

Search

admin config jasa_angkut_barang booking pelanggan pembayaran pemeliharaan_truk review rute supir truk local

pemeliharaan_truk

localhost:27017 > jasa_angkut_barang > pemeliharaan_truk

Documents 5 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or [Generate query](#).

ADD DATA EXPORT DATA UPDATE DELETE Explain Reset Find Options

1-5 of 5

`_id: ObjectId('6686c507022ce540c6cc89bc')`
`kode : "SIMERAH52"`
`kode_truk : "BK534AWW"`
`tanggal : 2024-09-21T00:00:00.000+00:00`
`deskripsi : "Servis"`
`biaya_juta : 8`

`_id: ObjectId('6686c507022ce540c6cc89bd')`
`kode : "SIPUTIH07"`
`kode_truk : "BK654EWN"`
`tanggal : 2024-12-09T00:00:00.000+00:00`
`deskripsi : "ganti sepatu rem"`
`biaya_juta : 3`

`_id: ObjectId('6686c507022ce540c6cc89be')`
`kode : "SIHITAM12"`
`kode_truk : "BK769AJR"`
`tanggal : 2024-06-25T00:00:00.000+00:00`
`deskripsi : "Radiator bocor"`
`biaya_juta : 9`

>_MONGOSH

83°F Mostly cloudy Search

20:38 11/07/2024

Tabel Review

MongoDB Compass - localhost:27017/jasa_angkut_barang.review

Connect Edit View Collection Help

localhost:27017 ...

My Queries Performance Databases

Search

admin config jasa_angkut_barang booking pelanggan pembayaran pemeliharaan_truk review rute supir truk local

review

localhost:27017 > jasa_angkut_barang > review

Documents 5 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or [Generate query](#).

ADD DATA EXPORT DATA UPDATE DELETE Explain Reset Find Options

1-5 of 5

`_id: ObjectId('6686c01b022ce540c6cc89b5')`
`kode : "574389275"`
`kode_booking : "A11045428"`
`kode_pelanggan : "231112518"`
`nilai_rating : 5`
`komentar : "Pelayanannya bagus"`
`tanggal_review : 2024-02-15T00:00:00.000+00:00`

`_id: ObjectId('6686c01b022ce540c6cc89b6')`
`kode : "152653647"`
`kode_booking : "B73648290"`
`kode_pelanggan : "231111254"`
`nilai_rating : 4`
`komentar : "barang cepat sampai"`
`tanggal_review : 2024-03-05T00:00:00.000+00:00`

`_id: ObjectId('6686c01b022ce540c6cc89b7')`
`kode : "758690367"`
`kode_booking : "C39485726"`
`kode_pelanggan : "2311112747"`
`nilai_rating : 5`
`komentar : "terpercaya"`
`tanggal_review : 2024-10-31T00:00:00.000+00:00`

>_MONGOSH

83°F Mostly cloudy Search

20:39 11/07/2024

MongoDB Compass - localhost:27017/jasa_angkut_barang.review

Connect Edit View Collection Help

localhost:27017 ...

review

localhost:27017 > jasa_angkut_barang > review

Documents 5 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or [Generate query](#):

ADD DATA EXPORT DATA UPDATE DELETE

1 - 5 of 5

`_id: ObjectId('6686c01b022ce540c6cc89b8')
kode : "275648390"
kode_booking : "D76859432"
kode_pelanggan : "231110569"
nilai_rating : 3
komentar : "lambat"
tanggal_review : 2024-12-21T00:00:00.000+00:00`

`_id: ObjectId('6686c01b022ce540c6cc89b9')
kode : "678308475"
kode_booking : "E75849675"
kode_pelanggan : "231111619"
nilai_rating : 2
komentar : "barang rusak"
tanggal_review : 2024-04-11T00:00:00.000+00:00`

ADD DATA EXPORT DATA UPDATE DELETE

Search

admin config jasa_angkut_barang booking pelanggan pembayaran pemeliharaan_truk pemilik pengguna review ruta supir truk local

_MONGOSH

83°F Mostly cloudy

Search

20:39 11/07/2024

Soal C

```
jasa_angkut_barang> db.truk.find({  
...     kapasitas_ton: { $gt: 5 },  
...     status_truk: 'tersedia'  
... },{  
...     kode: 1,  
...     model: 1,  
...     kapasitas_ton: 1,  
...     status_truk: 1,  
...     _id: 0  
... }).sort({ kapasitas_ton: -1 });  
[  
    {  
        kode: 'BK769AJR',  
        model: 'wingbox',  
        kapasitas_ton: 9,  
        status_truk: 'tersedia'  
    },  
    {  
        kode: 'BK654EWW',  
        model: 'tronton',  
        kapasitas_ton: 7,  
        status_truk: 'tersedia'  
    }  
]
```

Soal D

```
jasa_angkut_barang> db.pemeliharaan_truk.find({
...     tanggal: {
...         $gte: new Date('2024-06-01'),
...         $lt: new Date('2024-07-01')
...     },
...     biaya_juta: { $gt: 5 }
... },{
...     kode_truk: 1,
...     tanggal: 1,
...     biaya_juta: 1,
...     _id: 0
... }).sort({ biaya_juta: -1 });
[
    {
        kode_truk: 'BK769AJR',
        tanggal: ISODate('2024-06-25T00:00:00.000Z'),
        biaya_juta: 9
    },
    {
        kode_truk: 'BK432EAA',
        tanggal: ISODate('2024-06-23T00:00:00.000Z'),
        biaya_juta: 6
    }
]
```

```
jasa_angkut_barang> db.supir.deleteMany({
...     $or: [
...         { no_SIM: null },
...         { no_SIM: "" }
...     ]
... });
{ acknowledged: true, deletedCount: 1 }
jasa_angkut_barang> db.supir.find()
[
    {
        _id: ObjectId('6686bfb7022ce540c6cc8997'),
        kode: '231112518',
        no_SIM: '1222-9209-000363'
    },
    {
        _id: ObjectId('6686bfb7022ce540c6cc8999'),
        kode: '231112747',
        no_SIM: '6522-8426-136274'
    },
    {
        _id: ObjectId('6686bfb7022ce540c6cc899a'),
        kode: '231110569',
        no_SIM: '9847-1847-195738'
    },
    {
        _id: ObjectId('6686bfb7022ce540c6cc899b'),
        kode: '231111619',
        no_SIM: '7364-9137-146893'
    }
]
```

MongoDB Compass - localhost:27017/jasa_angkut_barang.supir

Connect Edit View Collection Help

localhost:27017 supir

localhost:27017 > jasa_angkut_barang > supir

Documents 4 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or [Generate query](#):

Explain Reset Find Options

ADD DATA EXPORT DATA UPDATE DELETE 1 - 4 of 4

`_id: ObjectId('6686bfb7022ce540c6cc8997')
kode : "231112518"
no_SIM : "1222-9209-000363"`

`_id: ObjectId('6686bfb7022ce540c6cc8999')
kode : "231112747"
no_SIM : "6522-8426-136274"`

`_id: ObjectId('6686bfb7022ce540c6cc899a')
kode : "231110569"
no_SIM : "9847-1847-195738"`

`_id: ObjectId('6686bfb7022ce540c6cc899b')
kode : "231111619"
no_SIM : "7364-9137-146893"`

_MONGOSH

83°F Mostly cloudy

Search

Windows Taskbar: Search, File Explorer, Task View, Taskbar Icons, Date/Time, Weather

Soal F

```
jasa_angkut_barang> db.review.aggregate([
...   {
...     $group: {
...       _id: "$kode_booking",
...       rata_rata_rating: { $avg: "$nilai_rating" }
...     }
...   },
...   {
...     $sort: { rata_rata_rating: -1 }
...   },
...   {
...     $project: {
...       _id: 0,
...       kode_booking: "$_id",
...       rata_rata_rating: 1
...     }
...   }
... ]);
[ { rata_rata_rating: 5, kode_booking: 'A11045428' },
{ rata_rata_rating: 5, kode_booking: 'C39485726' },
{ rata_rata_rating: 4, kode_booking: 'B73648290' },
{ rata_rata_rating: 3, kode_booking: 'D76859432' },
{ rata_rata_rating: 2, kode_booking: 'E75849675' } ]
```