

ACT SBD2

Mata Praktikum : Sistem Basis Data 2

Kelas : 3IA02

Praktikum ke- : 7

Tanggal : 25/5/2023

Materi : MongoDB

NPM : 50420562

Nama : Ibrahim Bramullah

Ketua Asisten : Naufal Maulana

Paraf Asisten :

Nama Asisten :

Jumlah Lembar : 8 Lembar

Mongo Shell

Create db ecommerce

```
test> use ecommerce
switched to db ecommerce
ecommerce> show databases
admin          40.00 KiB
config         84.00 KiB
db_mahasiswa  60.00 KiB
local          72.00 KiB
ecommerce>
```

Create Collection

```
ecommerce> db.createCollection("admin")
{ ok: 1 }
ecommerce> db.createCollection("customer")
{ ok: 1 }
ecommerce> db.getCollectionNames()
[ 'admin', 'customer' ]
ecommerce> |
```

Show Count

```
ecommerce> db.admin.count()
DeprecationWarning: Collection.count() is deprecated. Use countDocuments or estimatedDocumentCount.
ecommerce> |
```

Create Count without and with generated id

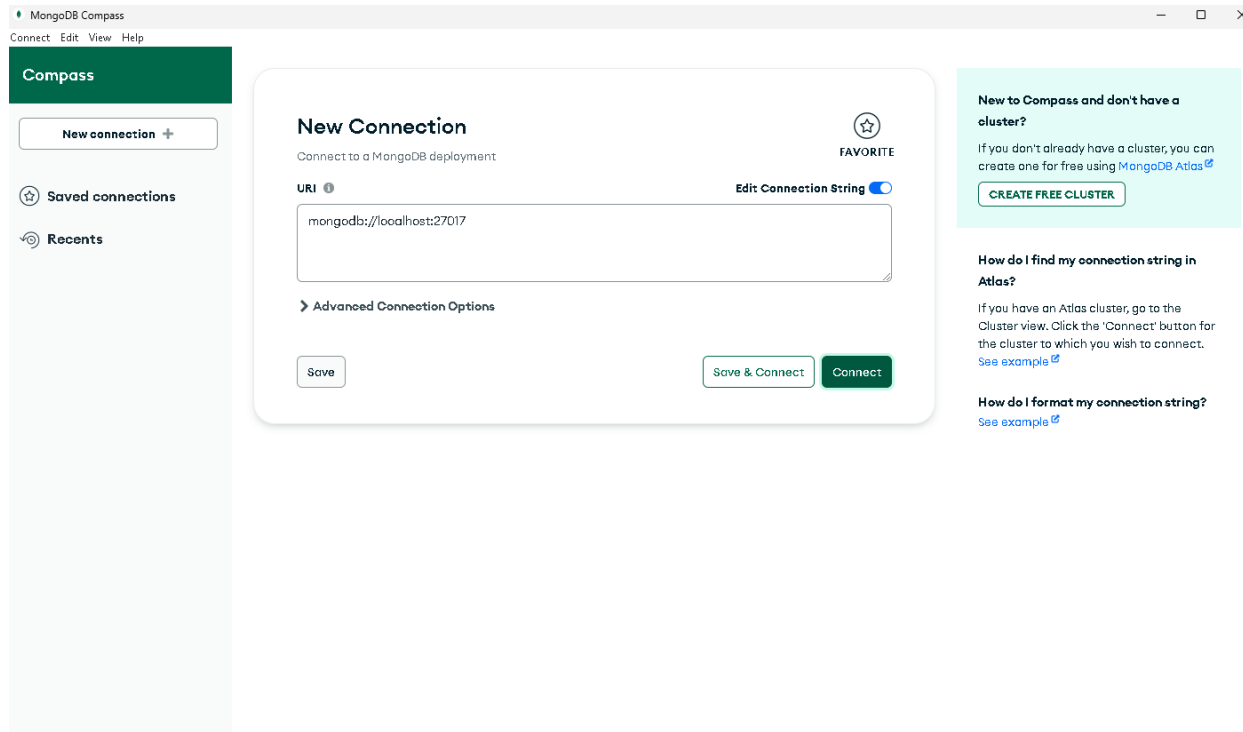
```
ecommerce> db.admin.insertOne({_id: "1", username: "Ibramullah", password: "50420562", name: "Ibrahim Bramullah"})
{ acknowledged: true, insertedId: '1' }
ecommerce> db.admin.insertOne({_id: new ObjectId(), pelanggan: [{username: "Ibramullah", jkelamin: "Laki laki"}, {username: "Hallumarbi", jkelamin: "Perempuan"}]})
{
  acknowledged: true,
  insertedId: ObjectId("646f02cef296e96b5e991808")
}
```

Show admin

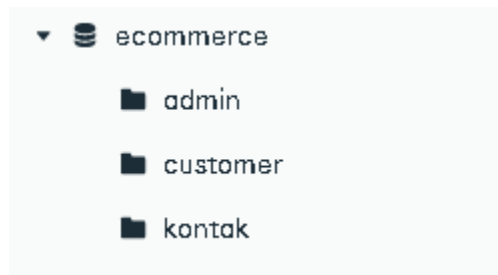
```
ecommerce> db.admin.find()
[
  {
    _id: '1',
    username: 'Ibramullah',
    password: '50420562',
    name: 'Ibrahim Bramullah'
  },
  {
    _id: ObjectId("646f02cef296e96b5e991808"),
    pelanggan: [
      { username: 'Ibramullah', jkelamin: 'Laki laki' },
      { username: 'Hallumarbi', jkelamin: 'Perempuan' }
    ]
  }
]
ecommerce> |
```

Mongo Compass

Connect



Choose db and Create collection (kontak)



Clone Data (admin)

The screenshot shows the MongoDB Compass interface for the 'ecommerce.admin' collection. The left sidebar displays the database structure, including 'admin', 'config', 'db_mahasiswa', and 'ecommerce'. The 'ecommerce' database is expanded, showing the 'admin' collection. The main panel displays the 'Documents' tab for 'ecommerce.admin', showing 3 documents. The documents are:

- Document 1: `{ "_id": "1", "username": "Ibranullah", "password": "56428562", "name": "Ibrahim Branullah" }`
- Document 2: `{ "_id": ObjectId("646f02cef296e96b5e991888"), "pelanggan": Array }`
- Document 3: `{ "_id": "2", "username": "DDPurnana", "password": "56428562", "name": "Dinaaz D'ika Purnana" }`

The interface includes a search bar, a filter button, and a 'Type a query' field. The bottom status bar shows 'MONGOSH'.

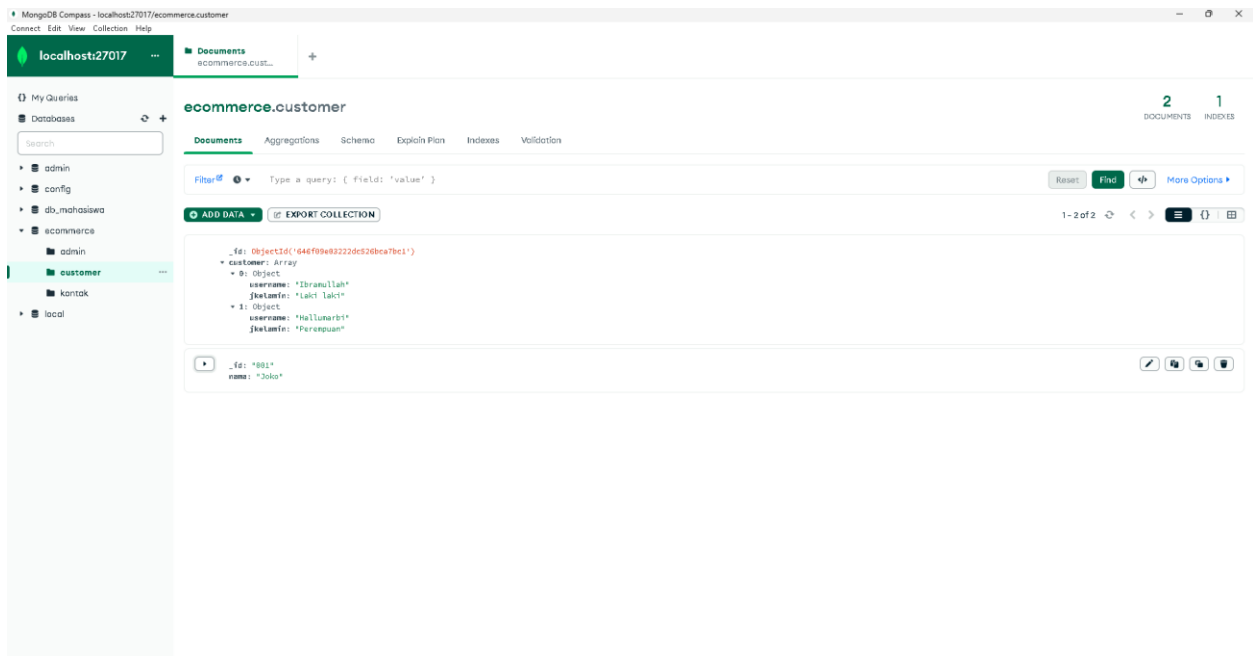
Result (admin)

The screenshot shows the MongoDB Compass interface for the 'ecommerce.admin' collection, displaying the same 3 documents as the previous screenshot. The documents are:

- Document 1: `{ "_id": "1", "username": "Ibranullah", "password": "56428562", "name": "Ibrahim Branullah" }`
- Document 2: `{ "_id": ObjectId("646f02cef296e96b5e991888"), "pelanggan": Array }`
- Document 3: `{ "_id": "2", "username": "DDPurnana", "password": "56428562", "name": "Dinaaz D'ika Purnana" }`

The interface includes a search bar, a filter button, and a 'Type a query' field. The bottom status bar shows 'MONGOSH'.

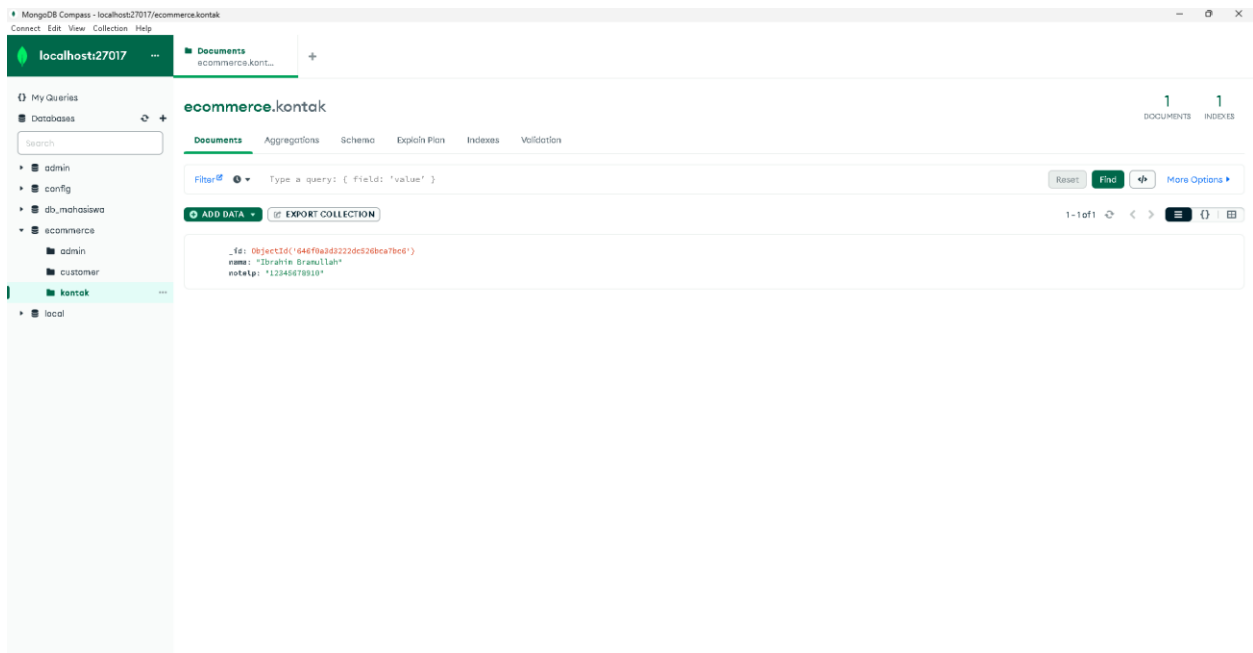
Create data & result (customer)



The screenshot shows the MongoDB Compass interface for the 'ecommerce.customer' collection. The left sidebar displays the database structure, including 'admin', 'config', 'db_mahasiswa', 'ecommerce', and 'local'. The 'ecommerce' database is expanded, showing 'admin', 'customer', 'kontak', and 'local' collections. The 'customer' collection is selected. The main panel shows the 'Documents' tab with 2 documents. The first document is expanded, showing its structure:

```
{ "_id": ObjectId("646f9e98222dc526bca7bc1"), "customer": [ { "username": "Ibrahimullah", "jkelamfe": "lakt1 lakt1", "jkelamfe": "Haliunarb1", "jkelamfe": "Parenguan" } ] }
```

Create data & result (kontak)



The screenshot shows the MongoDB Compass interface for the 'ecommerce.kontak' collection. The left sidebar displays the database structure, including 'admin', 'config', 'db_mahasiswa', 'ecommerce', and 'local'. The 'ecommerce' database is expanded, showing 'admin', 'customer', 'kontak', and 'local' collections. The 'kontak' collection is selected. The main panel shows the 'Documents' tab with 1 document. The document is expanded, showing its structure:

```
{ "_id": ObjectId("646f9e98222dc526bca7bc6"), "nama": "Zidrahifa Ibrahimullah", "notelp": "12345678910" }
```

Query on mongodb shell:

```
db.createCollection("admin")
db.createCollection("customer")

db.admin.insertOne({_id: "1", username: "Ibramullah",
password:"50420562", name: "Ibrahim Bramullah"})
db.admin.insertOne({_id: new ObjectId(), pelanggan:
[{username: "Ibramullah", jkelamin:"Laki
laki"}},{username: "Hallumarbi", jkelamin:"Perempuan"}
]})
```

Query on mongodb compass:

- Admin

```
{
  "_id": "2",
  "username": "DDPurnama",
  "password": "50420562",
  "name": "Dimaz Dika Purnama"
}
```

- Customer

```
{
  "_id": {
    "$oid": "646f0b493222dc526bca7bcd"
  },
  "customer": [
    {
      "username": "Ibramullah",
      "jkelamin": "Laki laki"
    },
    {
      "username": "Hallumarbi",
      "jkelamin": "Perempuan"
    }
  ]
}
```

```
{
  "_id": "001",
  "nama": "Joko"
}
```

- Kontak

```
{
  "_id": {
    "$oid": "646f0b493222dc526bca7bcd"
  },
  "nama": "Ibrahim Bramullah",
  "notelp": "12345678910"
}
```