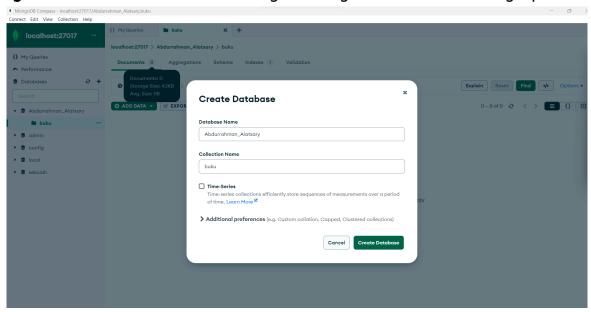
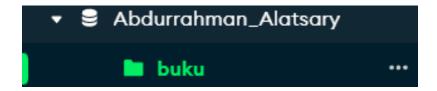
# Hasil Code dan Output Tugas Induvidu

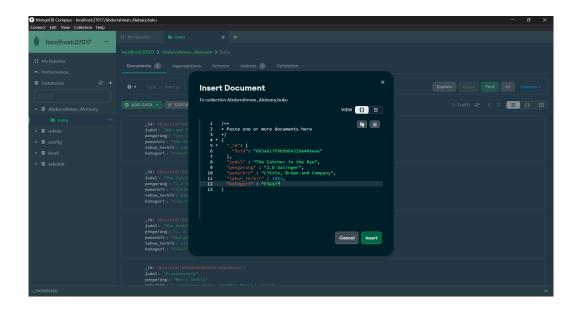
Langkah 1: Membuat Database di MongoDB dengan format "Nama-lengkap"

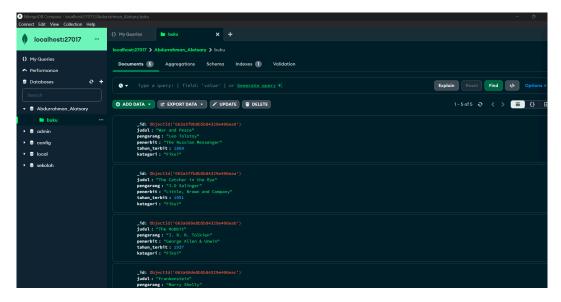


Langkah 2: Membuat Collections dengan nama buku



Langkah 3: Membuat beberapa data Sesuai ketentuan





Langkah 4 : Membuat Validasi Data

Langkah 5 : Menampilkan hasil buku dalam beberapa format tabel didalam MongoDB

#### **Json Mode**

#### **Tabular Mode**



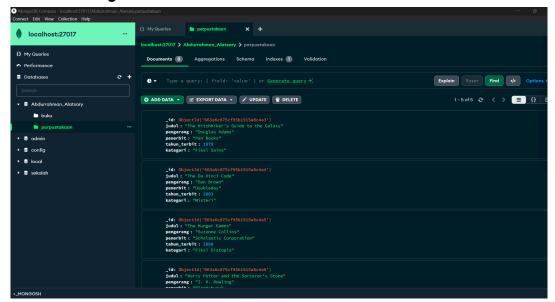
#### Dengan Menggunakan Python dan pymongo

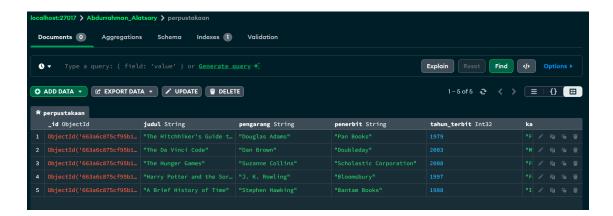
#### Connect to database mongodb

#### Insert data (5 data) to MongoDB via Python

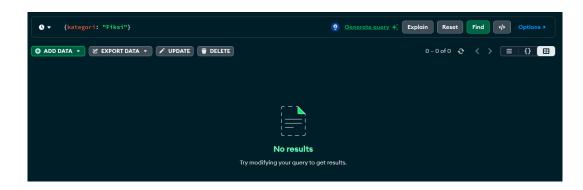
```
Modul-4 (MongoDB) ≥ tugas-induvidu > 🙋 create.py > 🕪 data
        # List data yang akan dimasukan
        data = [
                  "judul" : "The Hitchhiker's Guide to the Galaxy",
"pengarang" : "Douglas Adams",
"penerbit" : "Pan Books",
 19
 21
 22
                 "tahun_terbit" : 1979,
"kategori" : "Fiksi Sains"
 23
 24
            "judul": "The Da Vinci Code",
    "pengarang": "Dan Brown",
    "penerbit": "Doubleday",
    "tahun_terbit": 2003,
    "kategori": "Misteri"
 25
 26
27
 30
 31
                 "judul" : "The Hunger Games",
TERMINAL PROBLEMS OUTPUT DEBUG CONSOLE PORTS GITLENS SQL CONSOLE
ACER@Khirtz MINGW64 D:/Microsoft VS Code (main)
$ python -u "d:\My Wish\Collage Data\Semester 6\Teknologi Basis Data\Praktikum-TBD\Modul-4 (MongoDB)\tugas-induvidu\create.py"
Connected successfully to MongoDB server!
```

#### **Output dalam MongoDB**

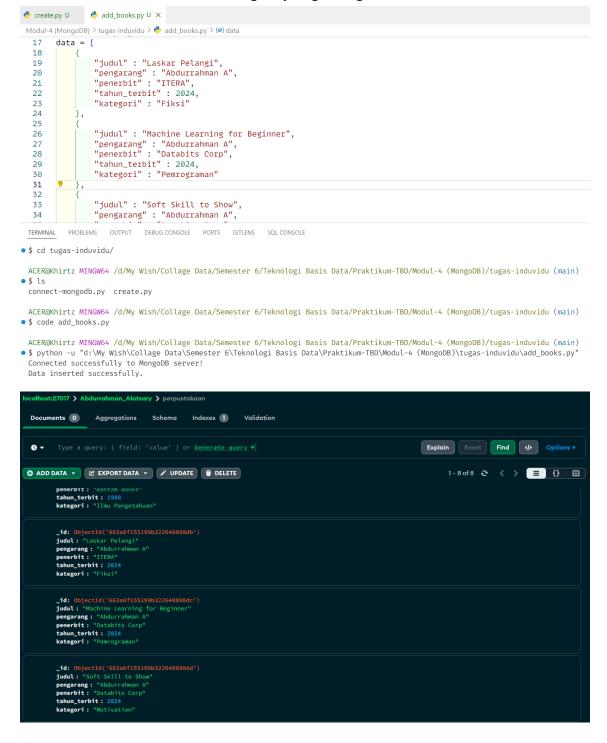




### Menampilkan kategori Fiksi



### Memasukan 3 data tambahan dengan pengarang nama dan tahun 2024



```
from pymongo import MongoClient
      # Menghubungkan kedalam server mongodb
         client = MongoClient('mongodb://localhost:27017/') # Ganti mongodb string connection
        print("Connected successfully to MongoDB server!")
  6
      except Exception as e:
      print(f"Error connecting to MongoDB: {e}")
  8
  10
     # Akses Spesifik Data
  db = client['Abdurrahman_Alatsary']
  13
      # Akses Spesifik Collections
  14
     collection = db['perpustakaan']
  15
  16
      # Criteria to find the document to update
  18 filter_criteria = {"pengarang": "Stephen Hawking"}
  20
      # New values to set
      new_values = {"$set": {"kategori": "Popular Science"}}
  21
  22
      # Perform the update
  23
  24 collection.update_one(filter_criteria, new_values)
  26
      print("Data updated successfully.")
 TERMINAL PROBLEMS OUTPUT DEBUG CONSOLE PORTS GITLENS SQL CONSOLE
```

ACER@Khirtz MINGW64 /d/My Wish/Collage Data/Semester 6/Teknologi Basis Data/Praktikum-TBD/Modul-4 (MongoDB)/tugas-induvidu (main)

\$ python -u "di\My Wish\Collage Data\Semester 6\Teknologi Basis Data\Praktikum-TBD\tempCodeRunnerFile.py"

Connected successfully to MongoDB server!

Data updated successfully.

```
_id: ObjectId('663a6c875cf95b1915a8c4a7')
judul: "A Brief History of Time"
pengarang: "Stephen Hawking"
penerbit: "Bantam Books"
tahun_terbit: 1988
kategori: "Popular Science"
```

## Menghapus Buku yang dikarang "Lewis Carroll"

```
🥏 create.py U 🛮 🤌 add_books.py U 💝 update_one.py U 🗸
 Modul-4 (MongoDB) > tugas-induvidu > 👶 delete_one.py > ...
   1 from pymongo import MongoClient
       # Menghubungkan kedalam server mongodb
       try:
        client = MongoClient('mongodb://localhost:27017/') # Ganti mongodb string connection
          print("Connected successfully to MongoDB server!")
       except Exception as e:
     print(f"Error connecting to MongoDB: {e}")
  10 # Akses Spesifik Data
  db = client['Abdurrahman_Alatsary']
  # Akses Spesifik Collections
  14 collection = db['buku']
  15
  16 # Mencari kriteria yang mau dihapus
       filter_criteria = {"pengarang": "Lewis Carroll"}
       # Eksekusi kriteria yang mau dihapus
collection.delete_one(filter_criteria)
  19
  20
  21
       print("Berhasil menghapus 1 baris data")
  23
  24
 TERMINAL PROBLEMS OUTPUT DEBUG CONSOLE PORTS GITLENS SQL CONSOLE
• $ code delete_one.py
 A CER@Khirtz \ MINGW64 \ / d/My \ Wish/Collage \ Data/Semester \ 6/Teknologi \ Basis \ Data/Praktikum-TBD/Modul-4 \ (MongoDB)/tugas-induvidu \ (main)
 $ python -u "d:\My Wish\Collage Data\Semester 6\Teknologi Basis Data\Praktikum-TBD\Modul-4 (MongoDB)\tugas-induvidu\delete_one.py"

    Connected successfully to MongoDB server!

Berhasil menghapus 1 baris data
```

# Data sudah tidak ada di dalam mongodb

