Nama: rena agustin

Nim: 17050623005

### **ONE TO MANY**

- Pertama ketikan "USE" lalu "NAMA\_KOLEKSI" tekan enter, untuk membuat database baru

```
> use DBklinik
switched to db DBklinik
```

- Membuat collection baru yang didalamnya ada collection yang lainnya (menggunakan embedded document)
- lalu ketikan "db.<koleksi>.insert" ({ tekan enter masukan lah filed yg di inginkan dan akhiri tanda })

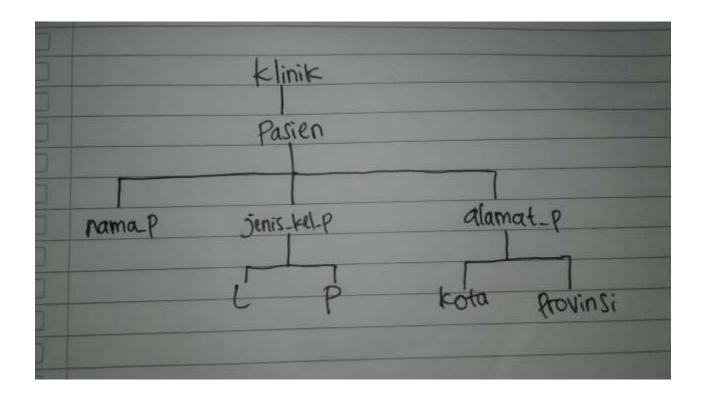
```
> db.obat.insert ({
... nama_o:'',
... jenis_o:'',
... nama_pa:'',
... nama_pa:'',
... pemeriksaan: [{
... jenis_kel_pa:'',
... tgl_lahir_pa:'' }]})
WriteResult({ "nInserted" : 1 })
```

melihat skema pembuatan collection di atas

#### MANY TO MANY

- Membuat collection baru yang didalamnya ada collection yang lainnya (menggunakan embedded document)
- lalu ketikan "db.<koleksi>.insert" ({ tekan enter masukan lah filed yg di inginkan dan akhiri tanda })

- melihat skema pembuatan collection di atas



## **Model Tree Structures with Parent References**

```
> use klinikParent
> db.klinikParent.insert({ _id: "pasien", parent: "null" })
WriteResult({ "InInserted": 1 })
Yob.klinikParent.insert({ _id: "nama_p", parent: "pasien" })
WriteResult({ "nInserted": 1 })
Yob.klinikParent.insert({ _id: "penis_kel_p", parent: "pasien" })
WriteResult({ "nInserted": 1 })
Yob.klinikParent.insert({ _id: "jenis_kel_p", parent: "pasien" })
WriteResult({ "nInserted": 1 })
Yob.klinikParent.insert({ _id: "alamat_p", parent: "pasien" })
WriteResult({ "nInserted": 1 })
Yob.klinikParent.insert({ _id: "laki", parent: "jenis_kel_p" })
WriteResult({ "nInserted": 1 })
Yob.klinikParent.insert({ _id: "perempuan", parent: "jenis_kel_p" })
WriteResult({ "nInserted": 1 })
Yob.klinikParent.insert({ _id: "kota", parent: "alamat_p" })
WriteResult({ "nInserted": 1 })
Yob.klinikParent.insert({ _id: "provinsi", parent: "alamat_p" })
WriteResult({ "nInserted": 1 })
Yob.klinikParent.find()pretty()
WriteResult({ "nInserted": 1 })
Yob.klinikParent.find().pretty()
WriteResult({ "inserted": 1 })
Yob.klinikParent.find().pretty()
WriteResult({ "inserted": "pasien" }
WriteResult({ "inserted": "parent": "parent": "pasien" }
WriteResult({ "inserted": "parent": "parent": "pasien" }
WriteResult({ "inserted": "parent": "
```

# Model Tree Structures with Child References

```
Suse klinikchild
switched to db klinikchild
> db.klinikchild.insert({ _id: "provinsi", children: [] })
writeResult({ "nInserted": 1 })
> db.klinikchild.insert( { _id: "kota", children: [] })
writeResult({ "nInserted": 1 })
> db.klinikchild.insert( { _id: "perempuan", children: [] })
writeResult({ "nInserted": 1 })
> db.klinikchild.insert( { _id: "laki", children: [] })
writeResult({ "nInserted": 1 })
> db.klinikchild.insert( { _id: "alamat_p", children: ["kota", "provinsi"] })
writeResult({ "nInserted": 1 })
> db.klinikchild.insert( { _id: "jenis_kel_p", children: ["laki", "perempuan"] })
writeResult({ "nInserted": 1 })
> db.klinikchild.insert( { _id: "nama", children: [] })
writeResult({ "nInserted": 1 })
> db.klinikchild.insert( { _id: "pasien", children: ["nama", "jenis_kel_p", "alamat_p"] })
writeResult({ "nInserted": 1 })
> db.klinikchild.insert( { _id: "klinik", children: ["pasien"] })
writeResult({ "nInserted": 1 })
> db.klinikchild.insert( { _id: "klinik", children: ["pasien"] })
writeResult({ "nInserted": 1 })
> db.klinikchild.find().pretty()
    "_id": "porvinsi", "children": [] }
    { _"id": "laki", "children": [] }
    { _"id": "alamat_p", "children": [] }
    { _"id": "alamat_p", "children": [] }
    { _"id": "alamat_p", "children": [] }
    { _"id": "jenis_kel_p", "children": [] }
}
```

# **Model Tree Structures with an Array of Ancestors**

], "parent" : "pasien"

```
> use klinikArray
switched to db klinikArray
> db.klinikArray.insert({ _id: "provinsi", ancestors: [ "klinik", "Pasien", "alamat_p" ]
, parent: "alamat_p" })
WriteResult({ "Inserted" : 1 })
> db.klinikArray.insert({ _id: "kota", ancestors: [ "klinik", "Pasien", "alamat_p" ], pa
rent: "alamat_p" })
WriteResult({ "nInserted" : 1 })
> db.klinikArray.insert({ _id: "p", ancestors: [ "klinik", "Pasien", "jeniskel_p" ], par
ent: "jeniskel_p" })
WriteResult({ "nInserted" : 1 })
> db.klinikArray.insert({ _id: "L", ancestors: [ "klinik", "Pasien", "jeniskel_p" ], par
ent: "jeniskel_p" })
WriteResult({ "InInserted" : 1 })
> db.klinikArray.insert({ _id: "alamat_p", ancestors: [ "klinik", "Pasien" ], parent: "p
asien" })
WriteResult({ "nInserted" : 1 })
WriteResult({ "nInserted" : 1 })
 asien }}
WriteResult({ "nInserted" : 1 })
> db.klinikArray.insert({ _id: "jeniskel_p", ancestors: [ "klinik", "Pasien" ], parent:
"pasien" })
"pasien" })
WriteResult({ "nInsert({ _id: _jeniskel_p", ancestors: [ "klinik", "Pasien" ], parent:

> db.klinikArray.insert({ _id: "nama_p", ancestors: [ "klinik", "Pasien" ], parent: "pasien" })
WriteResult({ "nInserted" : 1 })
> db.klinikArray.insert({ _id: "pasien", ancestors: [ "klinik" ], parent: "klinik" })
WriteResult({ "nInserted" : 1 })
> db.klinikArray.insert({ _id: "klinik", ancestors: [], parent: "null" })
WriteResult({ "nInserted" : 1 })
       db.klinikArray.find().pretty()
                       "_id" : "provinsi",
"ancestors" : [
"klinik",
"Pasien",
                                                 "alamat_p"
                         ],
"parent" : "alamat_p"
                       "_id" : "kota",
"ancestors" : [
"kliṇik"
                                                 "Pasien",
                                                 "Pasien",
"alamat_p"
                         ],
"parent" : "alamat_p"
                        "_id" : "p",
"ancestors" : [
"kliṇik"
                                                 "klinik",
"Pasien",
"jeniskel_p"
                         ],
"parent" : "jeniskel_p"
                         "_id" : "L"
                        "_id" : "L",
"ancestors" : [
"klinik",
"Pasien",
"jeniskel_p"
                         ],
"parent" : "jeniskel_p"
                        "_id" : "alamat_p",
"ancestors" : [
"klinik",
"Pasien"
```

### **Model Tree Structures with Materialized Paths**

```
> use klinikp'
switched to db klinikp
> db.klinikp.insert( { _id: "klinik", path: null } )
WriteResult({ "InInserted": 1 })
> db.klinikp.insert( { _id: "Pasien", path: ",klinik," } )
WriteResult({ "InInserted": 1 })
> db.klinikp.insert( { _id: "nama", path: ",klinik,pasien," } )
WriteResult({ "InInserted": 1 })
> db.klinikp.insert( { _id: "jeniskel_p", path: ",klinik,pasien," } )
WriteResult({ "InInserted": 1 })
> db.klinikp.insert( { _id: "alamat_p", path: ",klinik,pasien," } )
WriteResult({ "InInserted": 1 })
> db.klinikp.insert( { _id: "lamat_p", path: ",klinik,pasien,jeniskel_p," } )
WriteResult({ "InInserted": 1 })
> db.klinikp.insert( { _id: "p", path: ",klinik,pasien,jeniskel_p," } )
WriteResult({ "InInserted": 1 })
> db.klinikp.insert( { _id: "kota", path: ",klinik,pasien,alamat_p," } )
WriteResult({ "InInserted": 1 })
> db.klinikp.insert( { _id: "provinsi", path: ",klinik,pasien,alamat_p," } )
WriteResult({ "InInserted": 1 })
> db.klinikp.insert( { _id: "provinsi", path: ",klinik,pasien,alamat_p," } )
WriteResult({ "InInserted": 1 })
> db.klinikp.insert( { _id: "provinsi", path: ",klinik,pasien,alamat_p," } )
WriteResult({ "InInserted": 1 })
> db.klinikp.insert( { _id: "provinsi", path: ",klinik,pasien,alamat_p," } )

WriteResult({ "InInserted": 1 })
> db.klinikp.insert( { _id: "provinsi", path: ",klinik,pasien,alamat_p," } )

WriteResult({ "InInserted": 1 })
> db.klinikp.insert( { _id: "provinsi", wlinik,pasien,alamat_p," } { _id: "lamaa", path": ",klinik,pasien," } { _id: "lamaa", path": ",klinik,pasien,alamat_p," } { _id: "path": ",klinik,pasien,alamat_p," } { _id: "provinsi", "path": ",klinik,pasien,alamat_p,
```

```
db.klinikP.find().sort( { path: 1 } )
{ "id" : "klinik", "path" : null }
{ "id" : "Pasien", "path" : ",klinik," }
{ "id" : "Pasien", "path" : ",klinik,pasien," }
{ "id" : "jeniskel_p", "path" : ",klinik,pasien," }
{ "id" : "alamat_p", "path" : ",klinik,pasien," }
{ "id" : "kota", "path" : ",klinik,pasien,alamat_p," }
{ "id" : "provinsi", "path" : ",klinik,pasien,alamat_p," }
{ "id" : "P", "path" : ",klinik,pasien,jeniskel_p," }
} * db.klinikP.find( { path: /,pasien, }
{ "id" : "alamat_p", "path" : ",klinik,pasien," }
{ "id" : "alamat_p", "path" : ",klinik,pasien," }
{ "id" : "alamat_p", "path" : ",klinik,pasien," }
{ "id" : "lu", "path" : ",klinik,pasien,jeniskel_p," }
{ "id" : "p", "path" : ",klinik,pasien,jeniskel_p," }
{ "id" : "kota", "path" : ",klinik,pasien,alamat_p," }
{ "id" : "provinsi", "path" : ",klinik,pasien,alamat_p," }
{ "id" : "provinsi", "path" : ",klinik,pasien,alamat_p," }
{ "id" : "pasien", "path" : ",klinik,pasien," }
{ "id" : "lu", "path" : ",klinik,pasien, "peniskel_p," }
{ "id" : "lu", "path" : ",klinik,pasien, "peniskel_p," }
{ "id" : "lu", "path" : ",klinik,pasien, "peniskel_p," }
{ "id" : "lu", "path" : ",klinik,pasien, "peniskel_p," }
{ "id" : "kota", "path" : ",klinik,pasien, alamat_p," }
{ "id" : "provinsi", "path" : ",klinik,pasien, alamat_p," }
{ "id" : "lu", "path" : ",klinik,pasien, alamat_p," }
{ "id" : "lu", "path" : ",klinik,pasien, alamat_p," }
}
```