Basis Data Lanjut – Tugas 4

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Prodi : D3 - Manajemen Informatika

Replikasi database MongoDB

```
C:\Users\ASUS A455L'>mongo --nodb

> replicaSet = new ReplSetTest({"nodes" : 3});
Stanting now penlice set unknown name
> replicaSet.startSet()

> conn1 = new Mongo("localhost:20000")
connection to localhost:20000
> primaryDB = conn1.getDB("test")
test
>
```

Memasukkan data

```
> for (i=0; i<4; i++) {primaryDB.coll.insert({count: i})}
WriteResult({ "nInserted" : 1 })
> primaryDB.coll.count()
4
```

Mencoba koneksi ke secondaryDB dan akan muncul pesan error ketika akan melihat data

Melihat data dari primaryDB melalui secondaryDB

```
> conn2.setSlaveOk()
> secondaryDB.coll.find()
{ "_id" : ObjectId("5cc1e32543139357892a0e69"), "count" : 1 }
{ "_id" : ObjectId("5cc1e32543139357892a0e68"), "count" : 0 }
{ "_id" : ObjectId("5cc1e32543139357892a0e6b"), "count" : 3 }
{ "_id" : ObjectId("5cc1e32543139357892a0e6a"), "count" : 2 }
> secondaryDB.coll.count()
```

Memasukkan data ke secondaryDB akan menyebabkan error

Melihat hasil error terakhir

```
secondaryDB.isMaster()
      "hosts" : [
               "DESKTOP-NCAD918:20000",
               "DESKTOP-NCAD918:20001",
               "DESKTOP-NCAD918:20002"
      ],
"setName" : "__unknown_name__",
      "setVersion" : 2,

"ismaster" : true,

"secondary" : false,

"primary" : "DESKTOP-NCAD918:20001",
      "me" : "DESKTOP-NCAD918:20001",
      "lastWrite" : {
               "opTime"
                        "ts" : Timestamp(1556211747, 2),
"t" : NumberLong(2)
               },
"lastWriteDate" : ISODate("2019-04-25T17:02:27Z"),
               "majorityOpTime" : {
                        "ts" : Timestamp(1556211747, 2),
                        "t" : NumberLong(2)
               },
"majorityWriteDate" : ISODate("2019-04-25T17:02:27Z")
      },
"maxBsonObjectSize" : 16777216,
''--Butos" : 4800000
      "maxMessageSizeBytes" : 48000000,
      "maxWriteBatchSize" : 100000,
      "localTime" : ISODate("2019-04-25T17:14:13.137Z"),
```