

PROSES INSTALASI DAN MENJALANKAN WEBSITE

1. Software (wajib)

- a. MongoDB ([Link](#))
- b. NodeJs ([Link](#))
- c. GitBash ([Link](#))

2. Software (opsional)

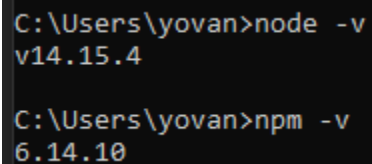
- a. MongoDB DataBase Tools ([Link](#))
- b. Visual Studio Code ([Link](#))

3. Instalasi dan Konfigurasi MongoDB ([Link](#))

4. Instalasi NodeJs

Instalasi seperti biasa, jika proses instalasi berhasil,

- a. Buka command prompt
- b. Ketik "node -v" dan "npm -v"
- c. Jika muncul angka seperti :



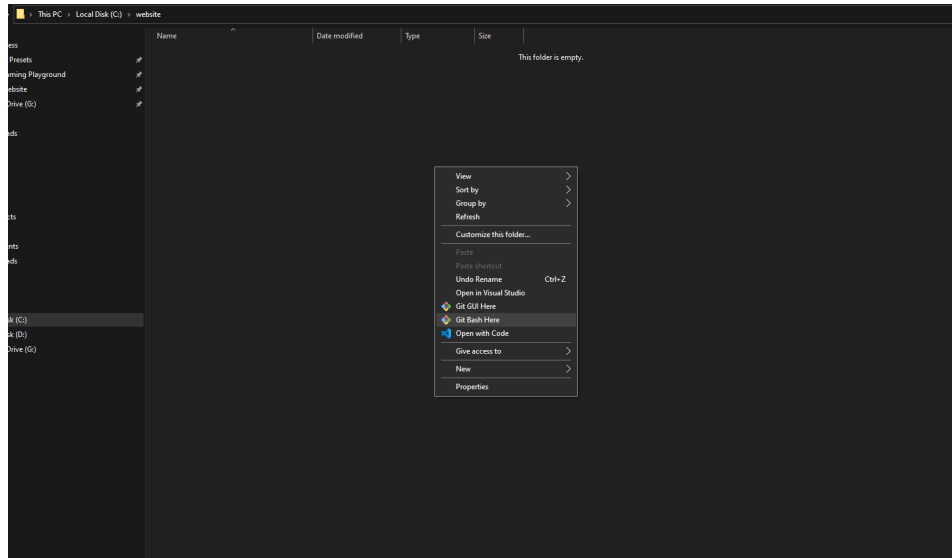
```
C:\Users\yovan>node -v
v14.15.4

C:\Users\yovan>npm -v
6.14.10
```

Berarti berhasil.

5. Instalasi website

- Cari direktori dimana anda ingin menaruh file website, contoh : saya menginstal di "C:\website". Lalu buka git-bash dengan klik kanan di folder tersebut lalu pilih "git bash here".



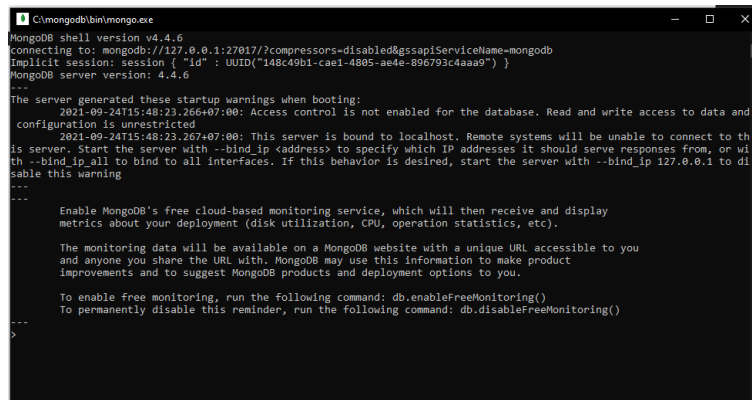
- Lalu ketik "git clone https://github.com/dingkai031/website-portal-pengukuran".
- Setelah selesai, maka akan muncul folder namanya "website-portal-pengukuran"

6. Import database MongoDB

- Install MongoDB DataBase Tools di direktori MongoDB, misal jika saya menginstal MongoDB di "C:\mongodb" maka MongoDB DataBase Tools di install di "C:\mongodb".
- Kembali ke folder "website-portal-pengukuran" dan copy folder pendidikan, paste ke "C:\mongodb\bin". Lalu navigasi ke direktori "C:\mongodb\bin".
- Pastikan terdapat file "mongorestore" disana, lalu klik kanan pada direktori tersebut dan pilih "git bash here" seperti pada **point 5a**.
- Lalu jalankan perintah "mongorestore -d pendidikan pendidikan".

7. Menjalankan website

- Navigasi ke folder instalasi mongodb, yaitu di "c:\mongodb". Lalu buka folder bin.
- Di dalam folder bin buka file "mongod.exe", tunggu 10 detik. Lalu buka file "mongo.exe" di dalam direktori yang sama. Seharusnya tampilan "mongo.exe" seperti ini :



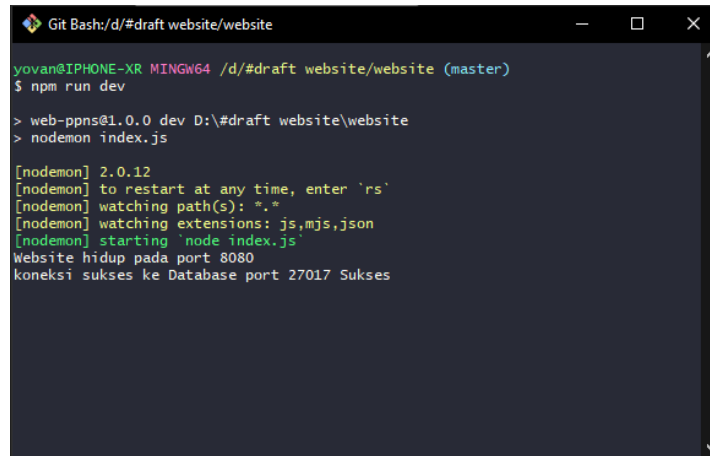
```
C:\mongodb\bin\mongo.exe
MongoDB shell version v4.4.6
connecting to: mongodb://127.0.0.1:27017/?compressors=disabled&gssapiServiceName=mongodb
Implicit session: session { "id" : UUID("148c49b1-cae1-4805-ae4e-896793c4aaa9") }
MongoDB server version: 4.4.6
---
The server generated these startup warnings when booting:
  2021-09-24T15:48:23.266+07:00: Access control is not enabled for the database. Read and write access to data and
  configuration is unrestricted
  2021-09-24T15:48:23.267+07:00: This server is bound to localhost. Remote systems will be unable to connect to th
  is server. Start the server with --bind_ip address> to specify which IP addresses it should serve responses from, or wi
  th --bind_ip all to bind to all interfaces. If this behavior is desired, start the server with --bind_ip 127.0.0.1 to di
  sable this warning
  ---
  Enable MongoDB's free cloud-based monitoring service, which will then receive and display
  metrics about your deployment (disk utilization, CPU, operation statistics, etc).

  The monitoring data will be available on a MongoDB website with a unique URL accessible to you
  and anyone you share the URL with. MongoDB may use this information to make product
  improvements and to suggest MongoDB products and deployment options to you.

  To enable free monitoring, run the following command: db.enableFreeMonitoring()
  To permanently disable this reminder, run the following command: db.disableFreeMonitoring()
  ---
  >
```

- Jika tidak, coba di ulang lagi **point 3**.
- Setelah itu, navigasi ke direktori "website-portal-pengukuran" yaitu di "C:\website\website-portal-pengukuran". Lalu klik kanan pada direktori tersebut dan pilih "git bash here" seperti pada **point 5a**.
- Lalu jalankan perintah "npm i", tunggu proses instalasi package selesai.
- Lalu jalankan perintah "npm i -g nodemon", tunggu proses instalasi package selesai.

- g. Setelah itu, jalankan perintah “npm run dev”, setelah dijalankan pastikan tampilannya seperti ini :



```
Git Bash/d/#draft website/website
yovan@IPHONE-XR MINGW64 /d/#draft website/website (master)
$ npm run dev

> web-pdns@1.0.0 dev D:\#draft website\website
> nodemon index.js

[nodemon] 2.0.12
[nodemon] to restart at any time, enter 'rs'
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,json
[nodemon] starting 'node index.js'
Website hidup pada port 8080
koneksi sukses ke Database port 27017 Sukses
```

- h. Buka browser pilihan Anda, lalu buka halaman “https://localhost:8080”.
- i. Jika muncul sebuah halaman login, maka website berhasil diinstall.