



TAHUN AJARAN 2017 - 2018

# MOBILE APPLICATION ANDROID



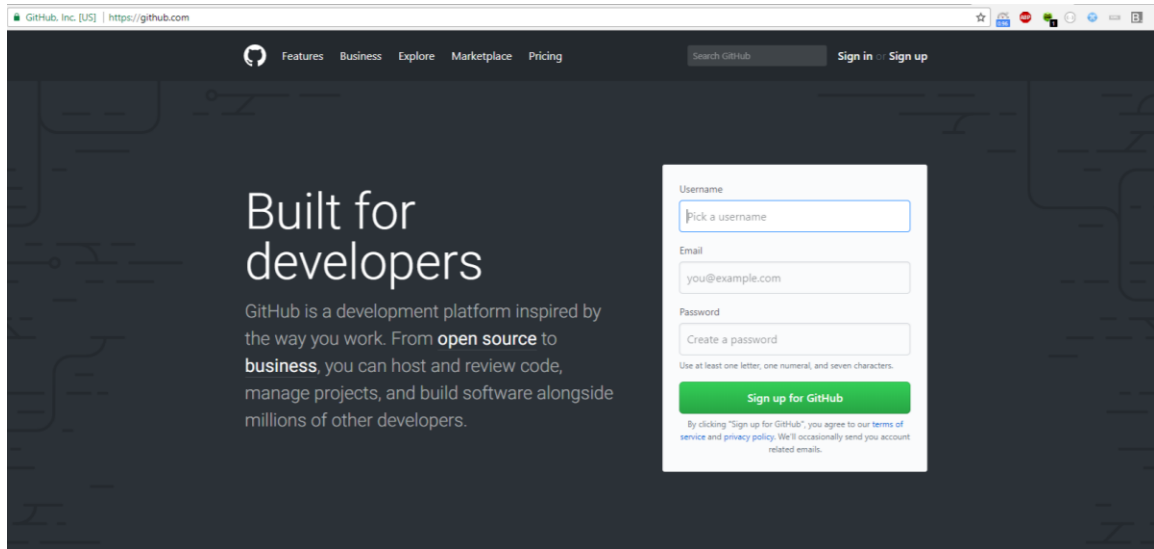
## LABORATORIUM EAD

Fakultas Rekayasa Industri  
Universitas Telkom  
Jl. Telekomunikasi No. 1  
Gedung Karang, Ruang C223, Bandung

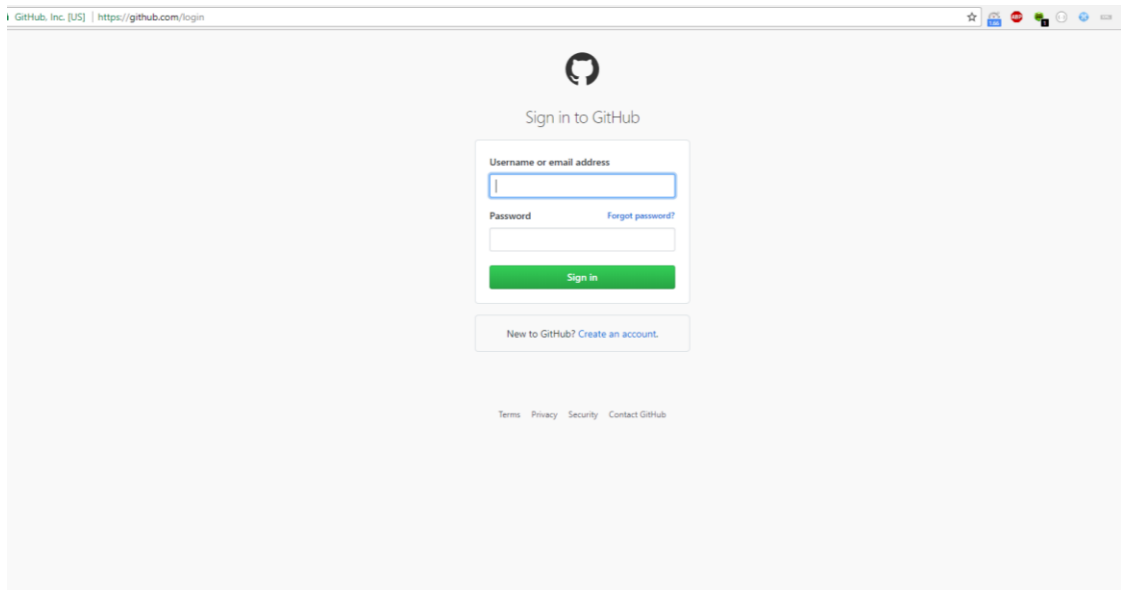
## TUTORIAL GITHUB

GitHub adalah aplikasi web yang memberikan layanan kolaborasi kode yang memungkinkan para pengembang aplikasi saling berbagi file dengan pengembang aplikasi lainnya. Seperti halnya Google Drive. Sangat mudah jika ingin menggunakan Github sebagai *tools* kolaborasi tim. Berikut adalah langkah-langkahnya :

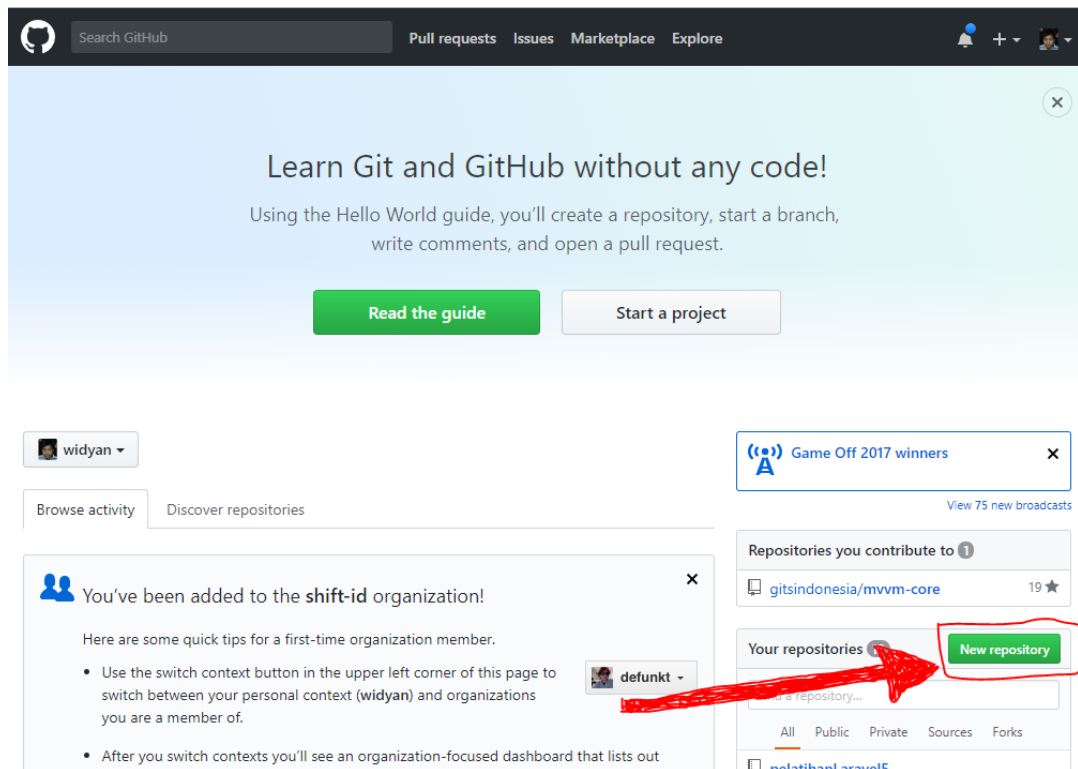
1. Kunjungi situs <https://github.com>



2. Jika belum punya akun silahkan daftar pada halaman diatas, jika sudah punya akun, maka silahkan lakukan login menggunakan akun yang sudah didaftarkan pada halaman ini <https://github.com/login> masukkan email atau username dan password

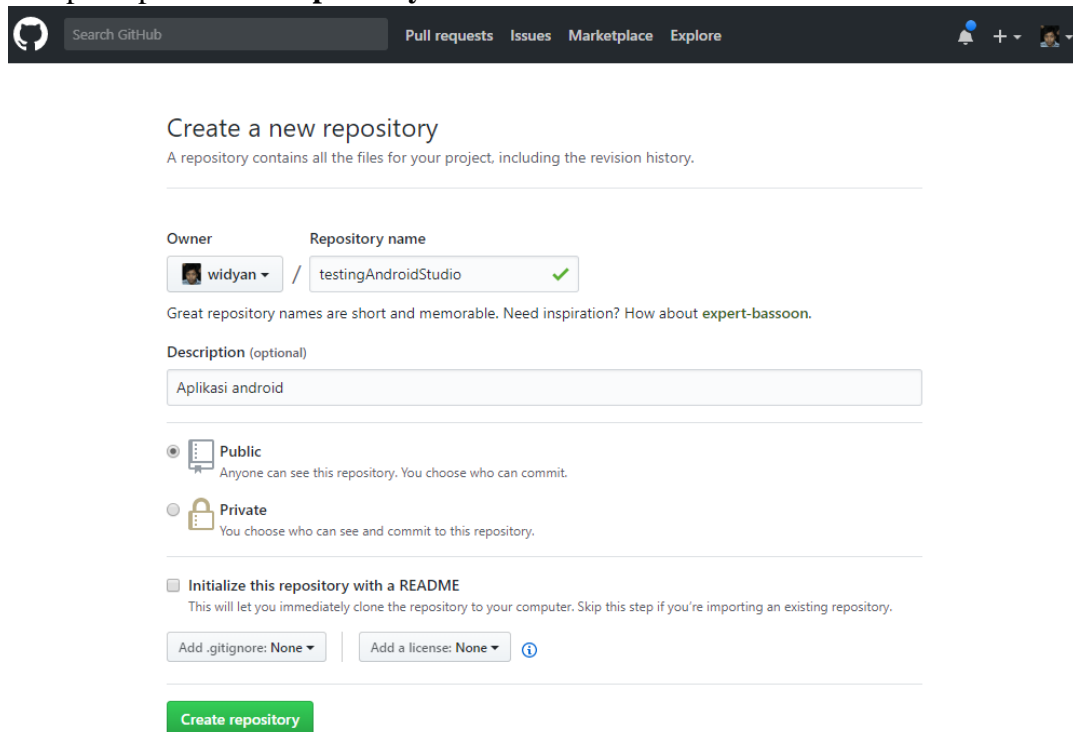


3. Jika sudah berhasil login, maka akan tampil seperti pada gambar dibawah ini :



Untuk membuat **repository** baru silahkan klik pada tombol **New Repository**

4. Tampilan pada **New Repository**



Isilah repository name dan deskripsi (opsional), lalu pilihlah **Public**. Bisa pula memilih **Private** tapi fitur itu berbayar.

## 5. Tampilan jika berhasil membuat Repository

The screenshot shows the GitHub interface for a newly created repository named 'testingAndroidStudio' by user 'widyan'. The repository is public, as indicated by the 'Public' label. The page displays the repository name, a search bar, and navigation links for Pull requests, Issues, Marketplace, and Explore. The repository has 1 watch, 0 stars, and 0 forks. The 'Code' tab is selected, showing the repository's URL and a 'Set up in Desktop' button. Below this, there are instructions for creating a new repository on the command line and pushing an existing repository from the command line. The instructions include the following commands:

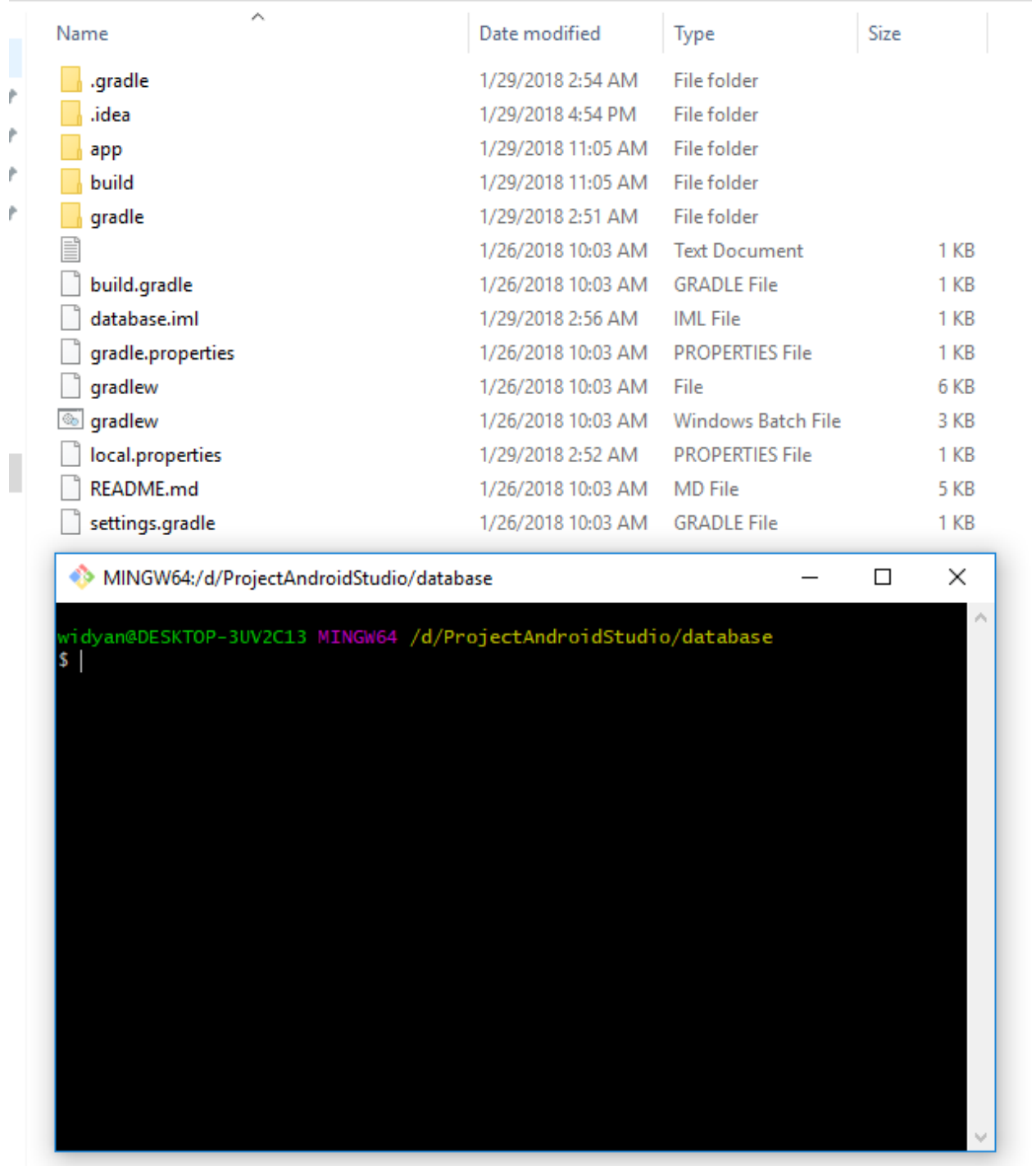
```
echo "# testingAndroidStudio" >> README.md
git init
git add README.md
git commit -m "first commit"
git remote add origin https://github.com/widyan/testingAndroidStudio.git
git push -u origin master
```

There is also a section for importing code from another repository, with a button labeled 'Import code'.

6. Buka folder project aplikasi yang akan di push kedalam git repository, **klik kanan** lalu pilih **Git Bash**

This PC > Master\_Program (D:) > ProjectAndroidStudio > database

Name	Date modified	Type	Size
.gradle	1/29/2018 2:54 AM	File folder	
.idea	1/29/2018 4:54 PM	File folder	
app	1/29/2018 11:05 AM	File folder	
build	1/29/2018 11:05 AM	File folder	
gradle	1/29/2018 2:51 AM	File folder	
build.gradle	1/26/2018 10:03 AM	GRADLE File	1 KB
database.iml	1/29/2018 2:56 AM	IML File	1 KB
gradle.properties	1/26/2018 10:03 AM	PROPERTIES File	1 KB
gradlew	1/26/2018 10:03 AM	File	6 KB
gradlew	1/26/2018 10:03 AM	Windows Batch File	3 KB
local.properties	1/29/2018 2:52 AM	PROPERTIES File	1 KB
README.md	1/26/2018 10:03 AM	MD File	5 KB
settings.gradle	1/26/2018 10:03 AM	GRADLE File	1 KB

```
MINGW64:/d/ProjectAndroidStudio/database
widyan@DESKTOP-3UV2C13 MINGW64 /d/ProjectAndroidStudio/database
$
```

7. Lalu ketikkan urutan perintah seperti dibawah ini pada **git bash** untuk melakukan push ke git repository **pertama kali**.

- `git init .`
- (copy kan perintah **git remote add origin <link repository>** ) ada di point nomor 5. Jika yang saya maka perintahnya adalah
- `git remote add origin https://github.com/widyan/testingAndroidStudio.git`
- `git add .`
- `git commit -m "push pertama kali"`
- `git push -u origin master`

Jika sudah berhasil maka file projek sudah berada pada git repository, dan **jika setiap saat melakukan perubahan pada file jangan lupa di push ke git**. Namun urutan perintahnya tidak seperti diatas, karena yang diatas itu hanya untuk pertama kali.

Urutan perintah untuk push ke git repository, jika sudah melakukan perubahan pada file :

- `git add .`
- `git commit -m "push kedua kali"`
- `git push origin master`

Silahkan lihat pada gambar untuk lebih jelasnya.

8. Ketika sudah muncul console git bash, maka ketikkan urutan perintah seperti dibawah ini  
This PC > Master\_Program (D:) > ProjectAndroidStudio > database

Name	Date modified	Type	Size
.gradle	1/29/2018 2:54 AM	File folder	
.idea	1/29/2018 4:54 PM	File folder	
app	1/29/2018 11:05 AM	File folder	
build	1/29/2018 11:05 AM	File folder	
gradle	1/29/2018 2:51 AM	File folder	
build.gradle	1/26/2018 10:03 AM	GRADLE File	1 KB
database.iml	1/29/2018 2:56 AM	IML File	1 KB
gradle.properties	1/26/2018 10:03 AM	PROPERTIES File	1 KB
gradlew	1/26/2018 10:03 AM	File	6 KB
gradlew	1/26/2018 10:03 AM	Windows Batch File	3 KB
local.properties	1/29/2018 2:52 AM	PROPERTIES File	1 KB
README.md	1/26/2018 10:03 AM	MD File	5 KB
settings.gradle	1/26/2018 10:03 AM	GRADLE File	1 KB

```
MINGW64:/d/ProjectAndroidStudio/database

widyan@DESKTOP-3UV2C13 MINGW64 /d/ProjectAndroidStudio/database
$ git init .
Initialized empty Git repository in D:/ProjectAndroidStudio/database/.git/

widyan@DESKTOP-3UV2C13 MINGW64 /d/ProjectAndroidStudio/database (master)
$ git remote add origin https://github.com/widyan/testingAndroidStudio.git

widyan@DESKTOP-3UV2C13 MINGW64 /d/ProjectAndroidStudio/database (master)
$ git add .
warning: LF will be replaced by CRLF in .gitignore.
The file will have its original line endings in your working directory.
warning: LF will be replaced by CRLF in .idea/gradle.xml.
The file will have its original line endings in your working directory.
warning: LF will be replaced by CRLF in .idea/misc.xml.
The file will have its original line endings in your working directory.
warning: LF will be replaced by CRLF in .idea/modules.xml.
The file will have its original line endings in your working directory.
warning: LF will be replaced by CRLF in .idea/runConfigurations.xml.
The file will have its original line endings in your working directory.
warning: LF will be replaced by CRLF in README.md.
The file will have its original line endings in your working directory.
warning: LF will be replaced by CRLF in app/.gitignore.
The file will have its original line endings in your working directory.
```

## 9. Git commit

This PC > Master\_Program (D:) > ProjectAndroidStudio > database

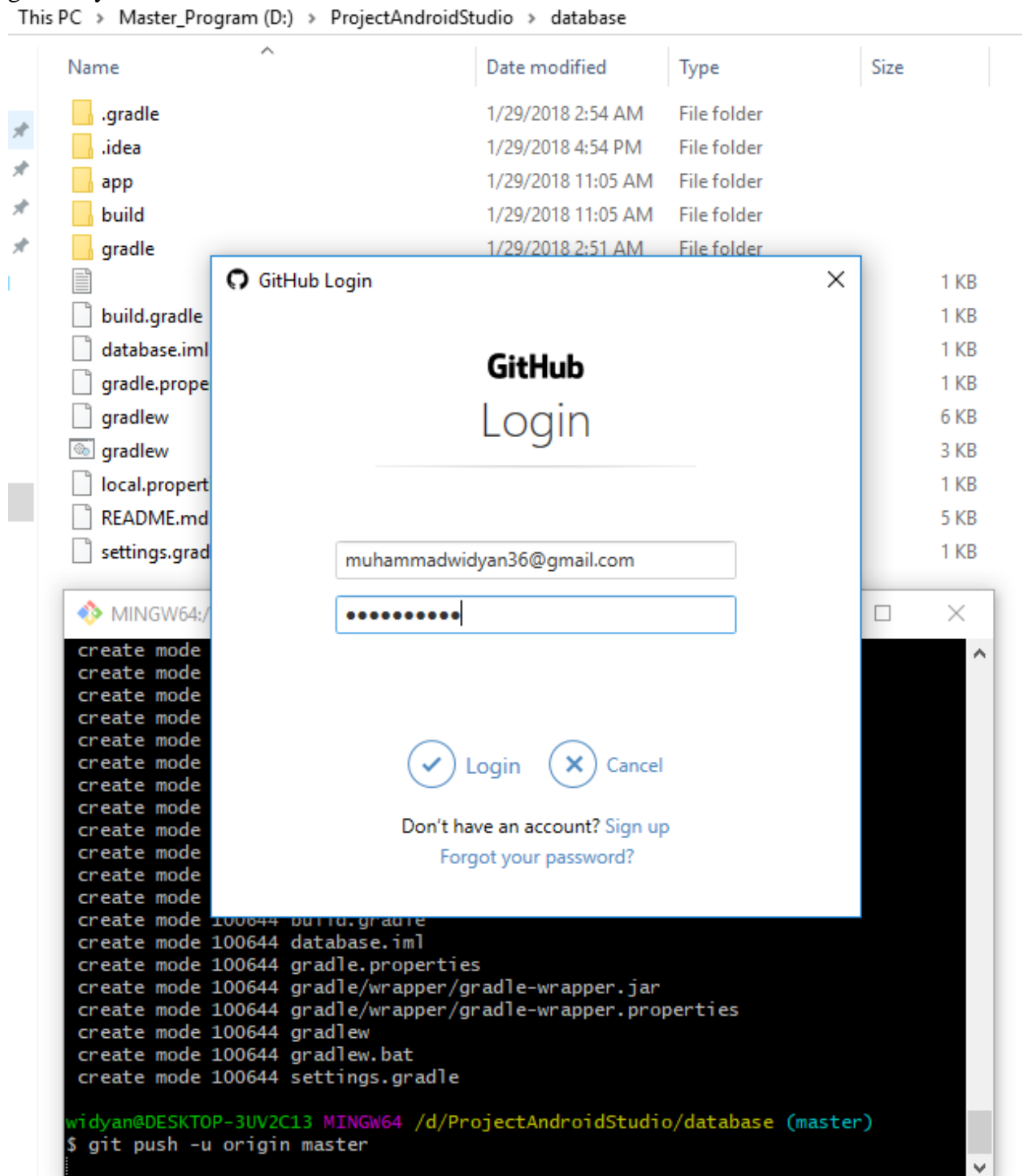
Name	Date modified	Type	Size
.gradle	1/29/2018 2:54 AM	File folder	
.idea	1/29/2018 4:54 PM	File folder	
app	1/29/2018 11:05 AM	File folder	
build	1/29/2018 11:05 AM	File folder	
gradle	1/29/2018 2:51 AM	File folder	
build.gradle	1/26/2018 10:03 AM	GRADLE File	1 KB
database.iml	1/29/2018 2:56 AM	IML File	1 KB
gradle.properties	1/26/2018 10:03 AM	PROPERTIES File	1 KB
gradlew	1/26/2018 10:03 AM	File	6 KB
gradlew	1/26/2018 10:03 AM	Windows Batch File	3 KB
local.properties	1/29/2018 2:52 AM	PROPERTIES File	1 KB
README.md	1/26/2018 10:03 AM	MD File	5 KB
settings.gradle	1/26/2018 10:03 AM	GRADLE File	1 KB

```
MINGW64:/d/ProjectAndroidStudio/database
warning: LF will be replaced by CRLF in app/src/main/res/values/colors.xml.
The file will have its original line endings in your working directory.
warning: LF will be replaced by CRLF in app/src/main/res/values/dimens.xml.
The file will have its original line endings in your working directory.
warning: LF will be replaced by CRLF in app/src/main/res/values/strings.xml.
The file will have its original line endings in your working directory.
warning: LF will be replaced by CRLF in app/src/main/res/values/styles.xml.
The file will have its original line endings in your working directory.
warning: LF will be replaced by CRLF in build.gradle.
The file will have its original line endings in your working directory.
warning: LF will be replaced by CRLF in database.iml.
The file will have its original line endings in your working directory.
warning: LF will be replaced by CRLF in gradle.properties.
The file will have its original line endings in your working directory.
warning: LF will be replaced by CRLF in gradlew.
The file will have its original line endings in your working directory.
warning: LF will be replaced by CRLF in settings.gradle.
The file will have its original line endings in your working directory.

widyand@DESKTOP-3UV2C13 MINGW64 /d/ProjectAndroidStudio/database (master)
$ git commit -m "push pertama kali"
[master (root-commit) a05ff9d] push pertama kali
 97 files changed, 3540 insertions(+)
 create mode 100644 .gitignore
```



10. Ketika akan melakukan push, terkadang akan muncul dialog untuk memasukan akun github nya.



## 11. Selesai melakukan push ke git repository

This PC > Master\_Program (D:) > ProjectAndroidStudio > database

Name	Date modified	Type	Size
.gradle	1/29/2018 2:54 AM	File folder	
.idea	1/29/2018 4:54 PM	File folder	
app	1/29/2018 11:05 AM	File folder	
build	1/29/2018 11:05 AM	File folder	
gradle	1/29/2018 2:51 AM	File folder	
build.gradle	1/26/2018 10:03 AM	Text Document	1 KB
database.iml	1/26/2018 10:03 AM	GRADLE File	1 KB
gradle.properties	1/29/2018 2:56 AM	IML File	1 KB
gradlew	1/26/2018 10:03 AM	PROPERTIES File	1 KB
gradlew	1/26/2018 10:03 AM	File	6 KB
gradlew	1/26/2018 10:03 AM	Windows Batch File	3 KB
local.properties	1/29/2018 2:52 AM	PROPERTIES File	1 KB
README.md	1/26/2018 10:03 AM	MD File	5 KB
settings.gradle	1/26/2018 10:03 AM	GRADLE File	1 KB

```
MINGW64:/d/ProjectAndroidStudio/database
create mode 100644 app/src/screen.png
create mode 100644 build.gradle
create mode 100644 database.iml
create mode 100644 gradle.properties
create mode 100644 gradle/wrapper/gradle-wrapper.jar
create mode 100644 gradle/wrapper/gradle-wrapper.properties
create mode 100644 gradlew
create mode 100644 gradlew.bat
create mode 100644 settings.gradle

widyan@DESKTOP-3UV2C13 MINGW64 /d/ProjectAndroidStudio/database (master)
$ git push -u origin master
Counting objects: 141, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (118/118), done.
Writing objects: 100% (141/141), 324.61 KiB | 8.32 MiB/s, done.
Total 141 (delta 15), reused 0 (delta 0)
remote: Resolving deltas: 100% (15/15), done.
To https://github.com/widyan/testingAndroidStudio.git
 * [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.

widyan@DESKTOP-3UV2C13 MINGW64 /d/ProjectAndroidStudio/database (master)
$ |
```

12. Jika sudah maka bisa di cek di akun github nya. Seperti pada gambar dibawah ini

widyan / testingAndroidStudio

Unwatch

1

Star

0

Fork

0

Code

Issues 0

Pull requests 0

Projects 0

Wiki

Insights

Settings

Aplikasi android

Edit

Add topics

1 commit

1 branch

0 releases

1 contributor

Branch: master

New pull request

Create new file

Upload files

Find file

Clone or download

widyan push pertama kali

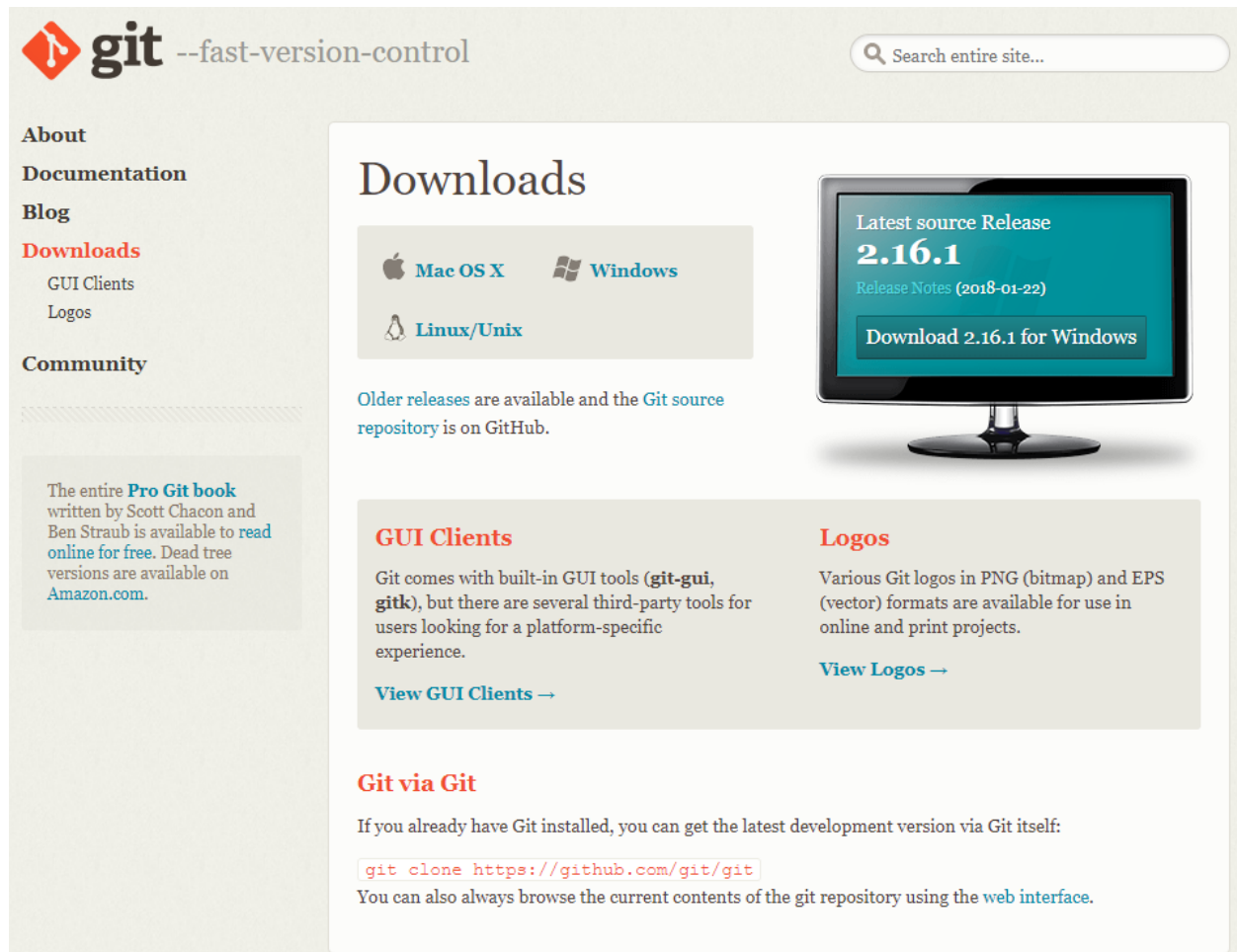
Latest commit a05ff9d 16 minutes ago

.idea	push pertama kali	16 minutes ago
app	push pertama kali	16 minutes ago
gradle/wrapper	push pertama kali	16 minutes ago
.gitignore	push pertama kali	16 minutes ago
README.md	push pertama kali	16 minutes ago
build.gradle	push pertama kali	16 minutes ago
database.iml	push pertama kali	16 minutes ago
gradle.properties	push pertama kali	16 minutes ago
gradlew	push pertama kali	16 minutes ago
gradlew.bat	push pertama kali	16 minutes ago
settings.gradle	push pertama kali	16 minutes ago

## INSTALLASI GIT

Proses untuk melakukan add, commit, dan push ke dalam git repository dapat dilakukan dengan cara manual dengan console ataupun dengan cara VCS pada Android Studio. Namun agar lebih paham cara ataupun alur push ke dalam git repository maka dianjurkan menggunakan console terlebih dahulu. Pertama-tama silahkan download dan install aplikasi git pada situs ini

<https://git-scm.com/downloads>

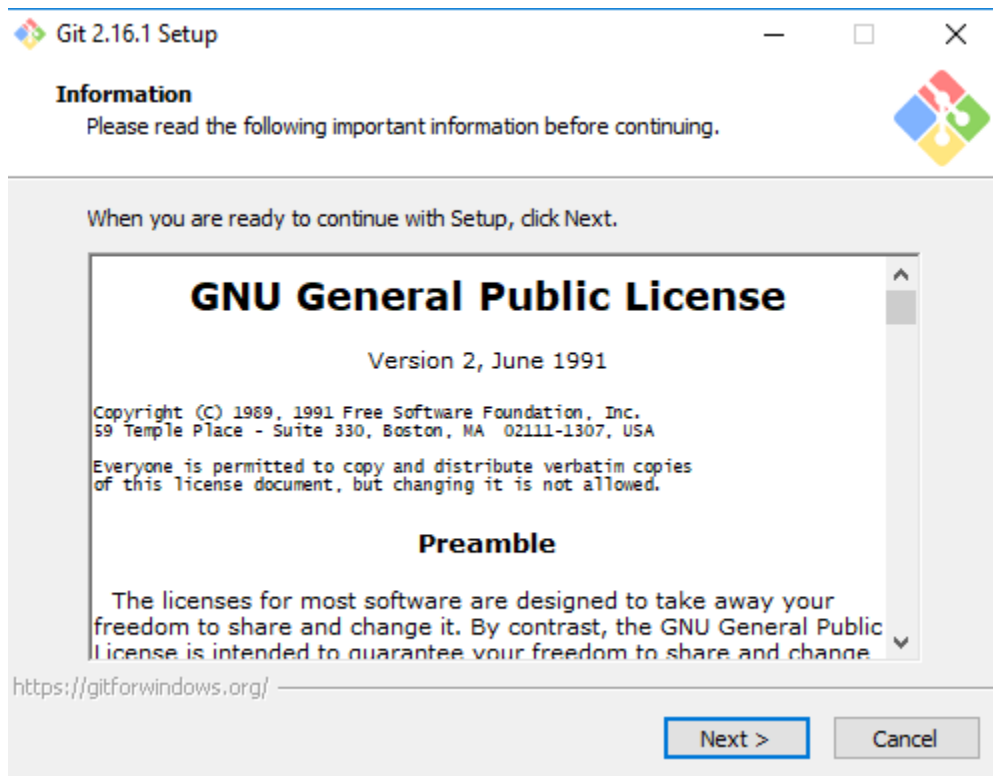


Lakukan langkah-langkah berikut untuk proses instalasi :

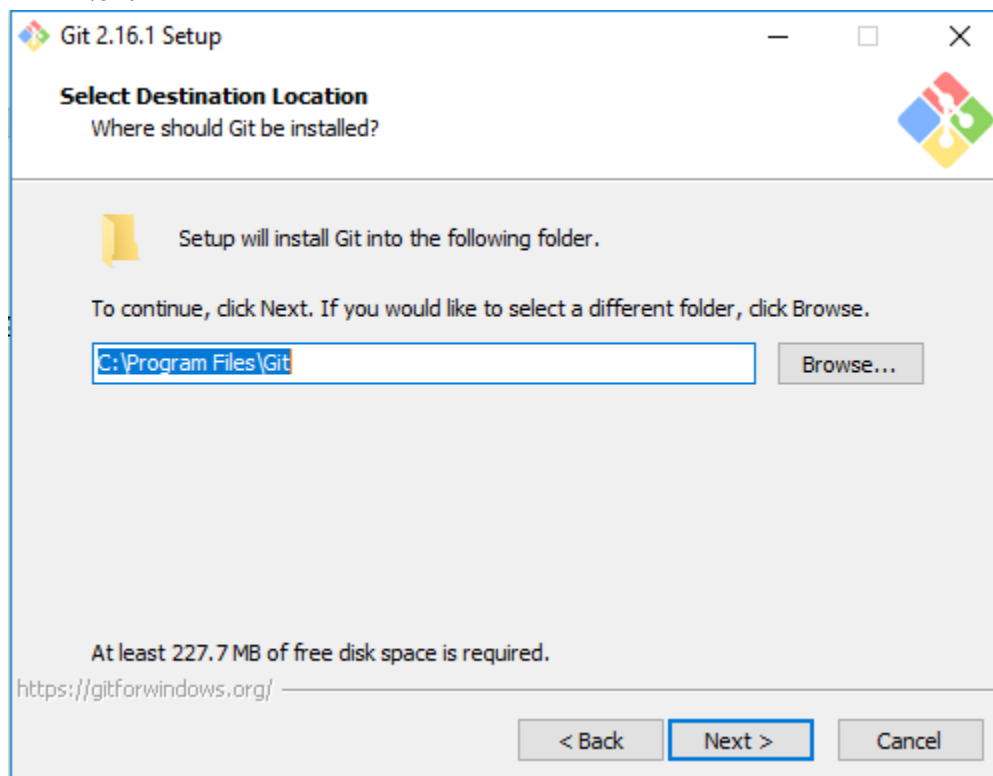
\*) ikuti seperti pada gambar

1. Jika sudah selesai di download, maka langsung buka saja aplikasinya lalu Klik **Yes**

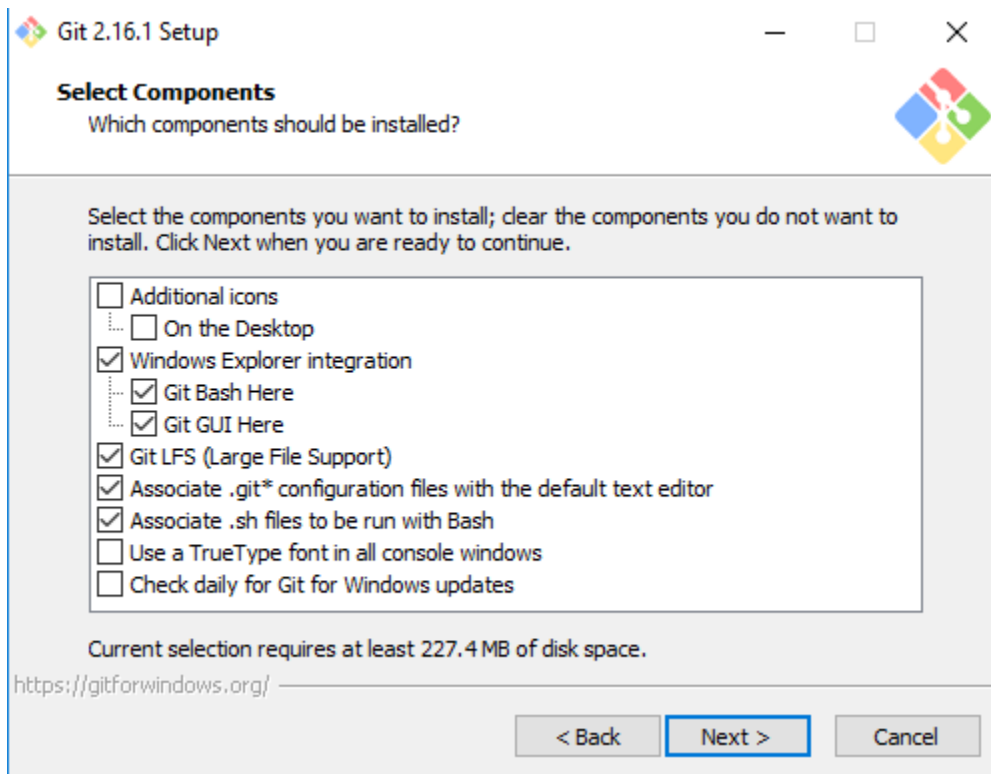
2. Klik Next



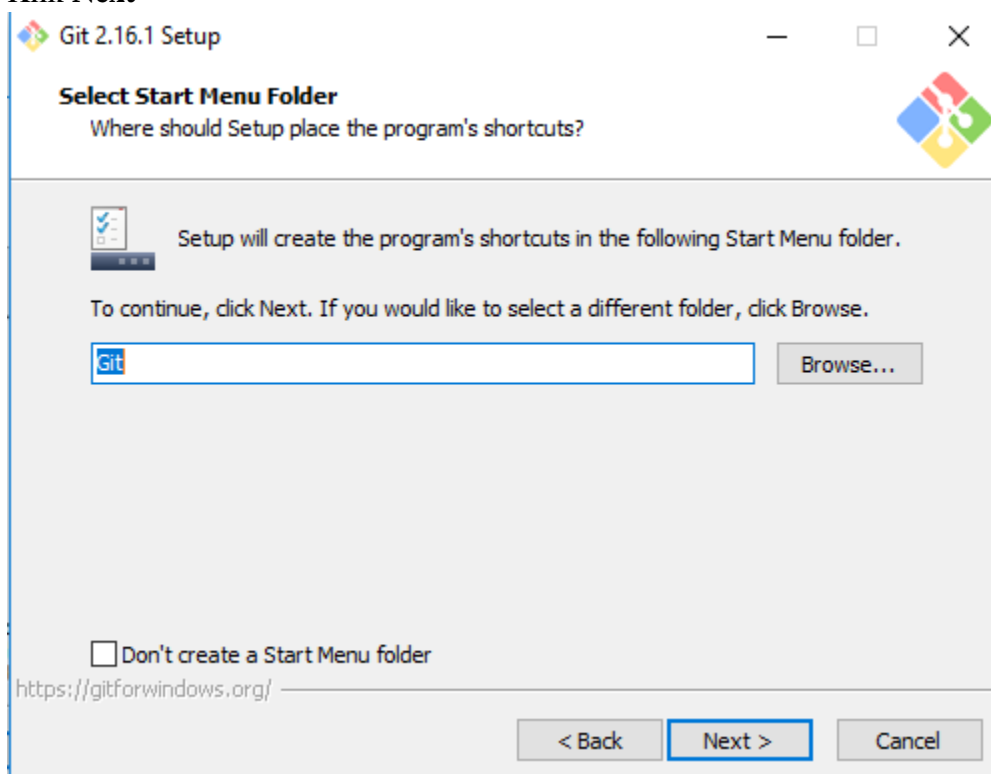
3. Klik Next



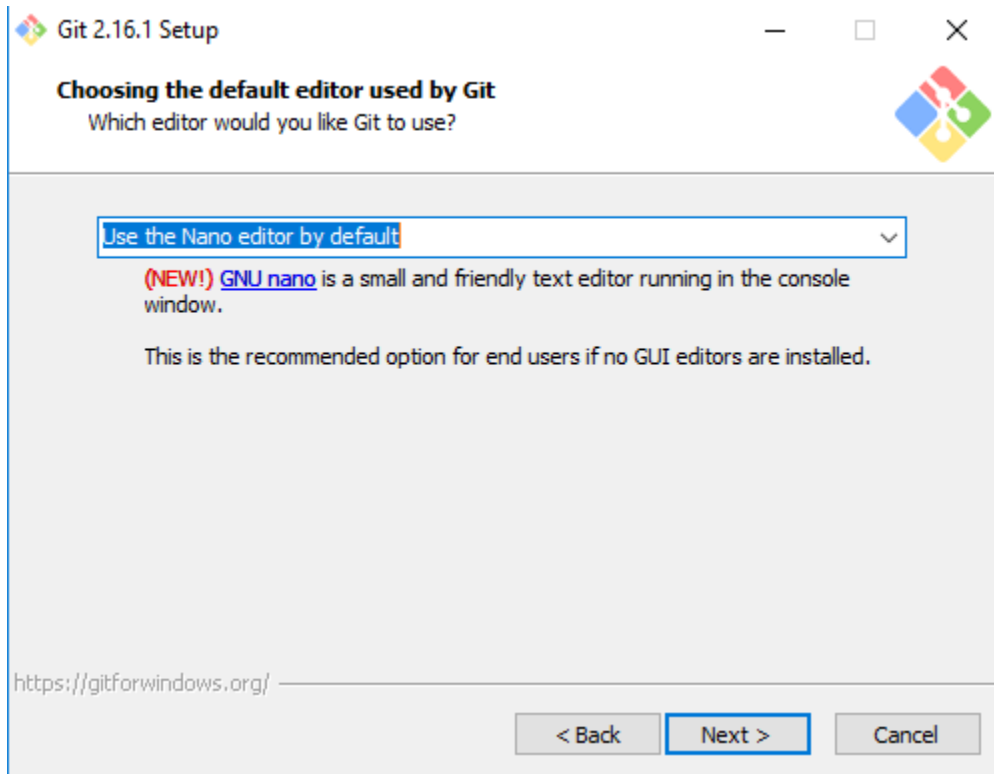
#### 4. Klik Next



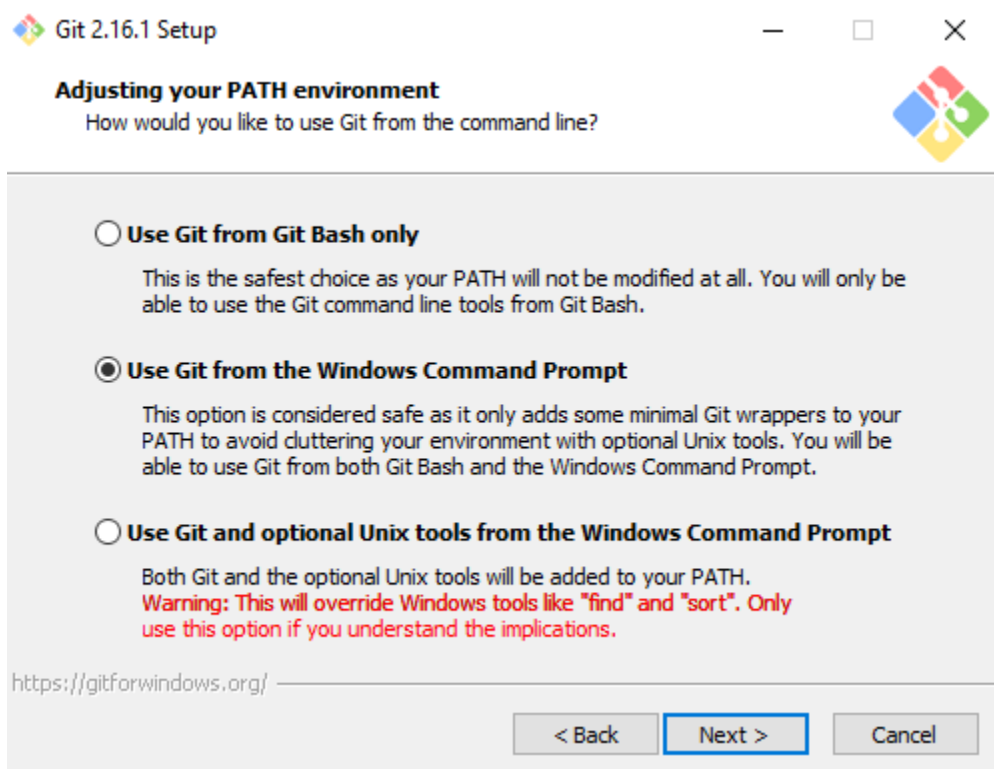
#### 5. Klik Next



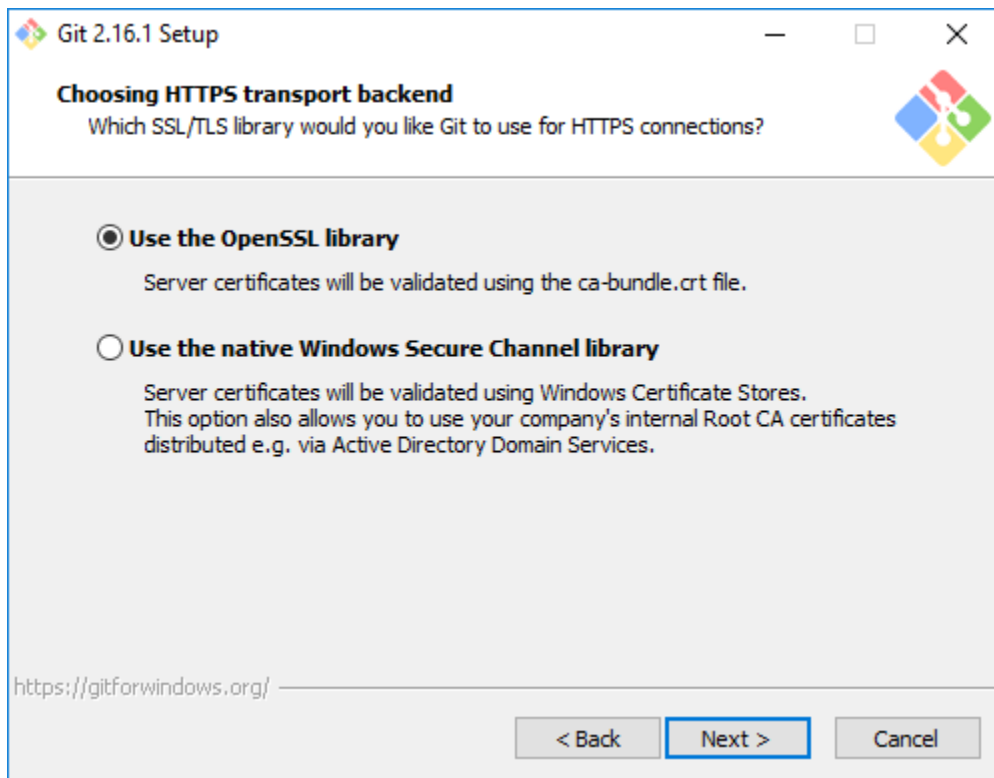
6. Untuk pemilihan editor bisa pilih yang diinginkan, **Recommended** menggunakan Nano editor. Lalu klik **Next**



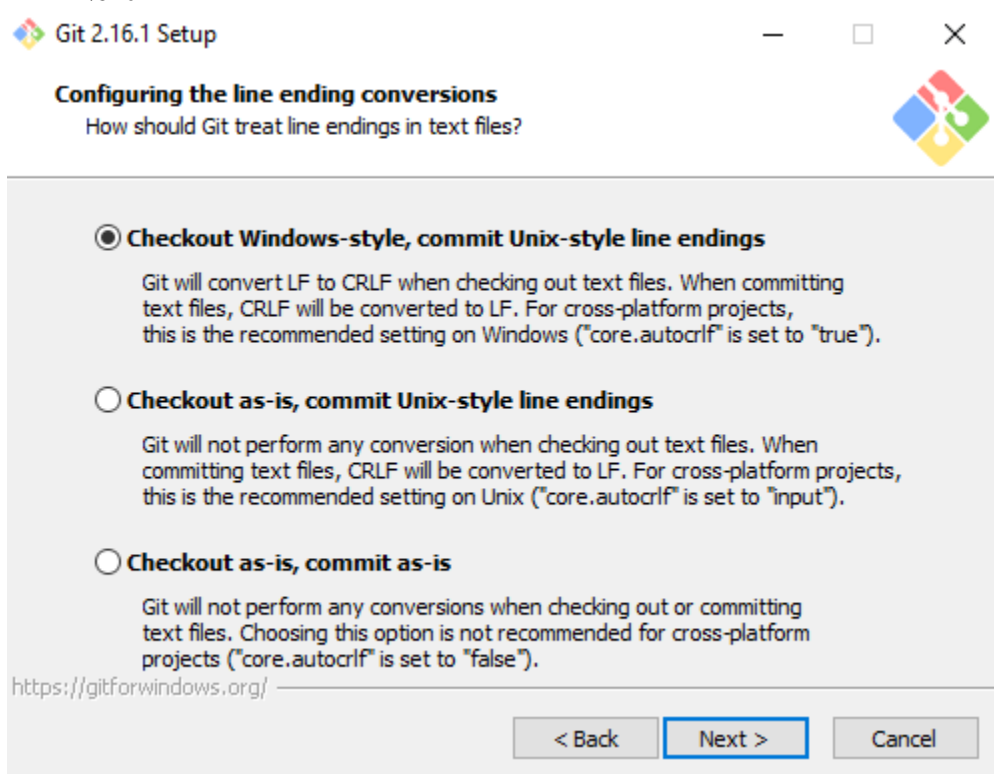
7. Klik **Next**



8. Klik Next

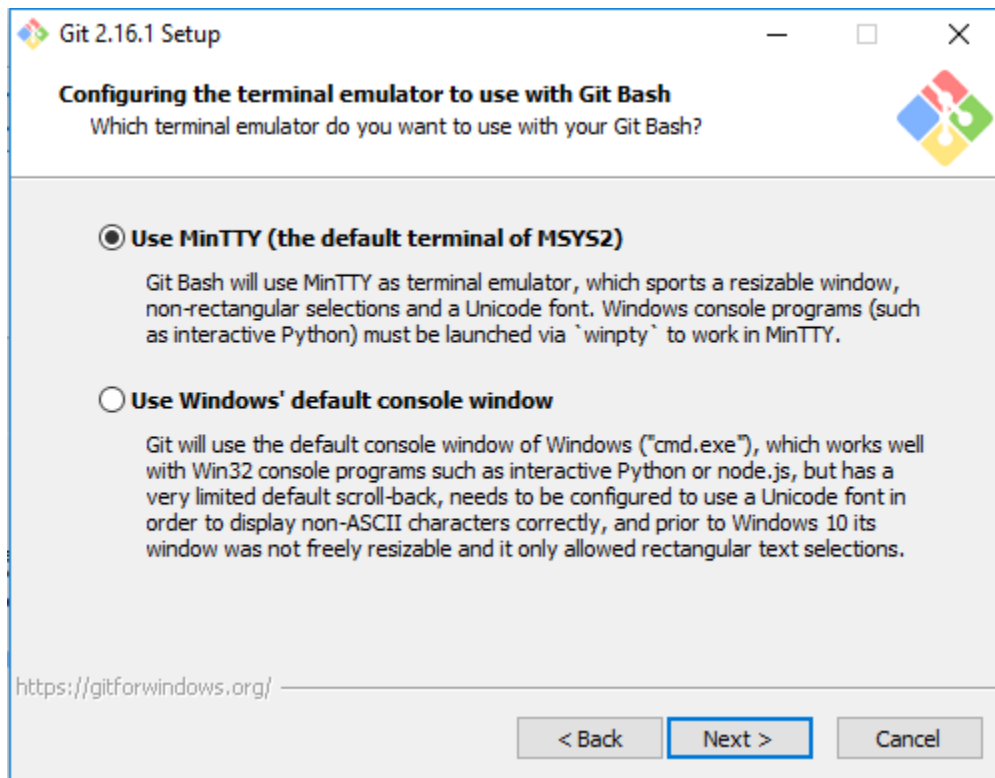


9. Klik Next

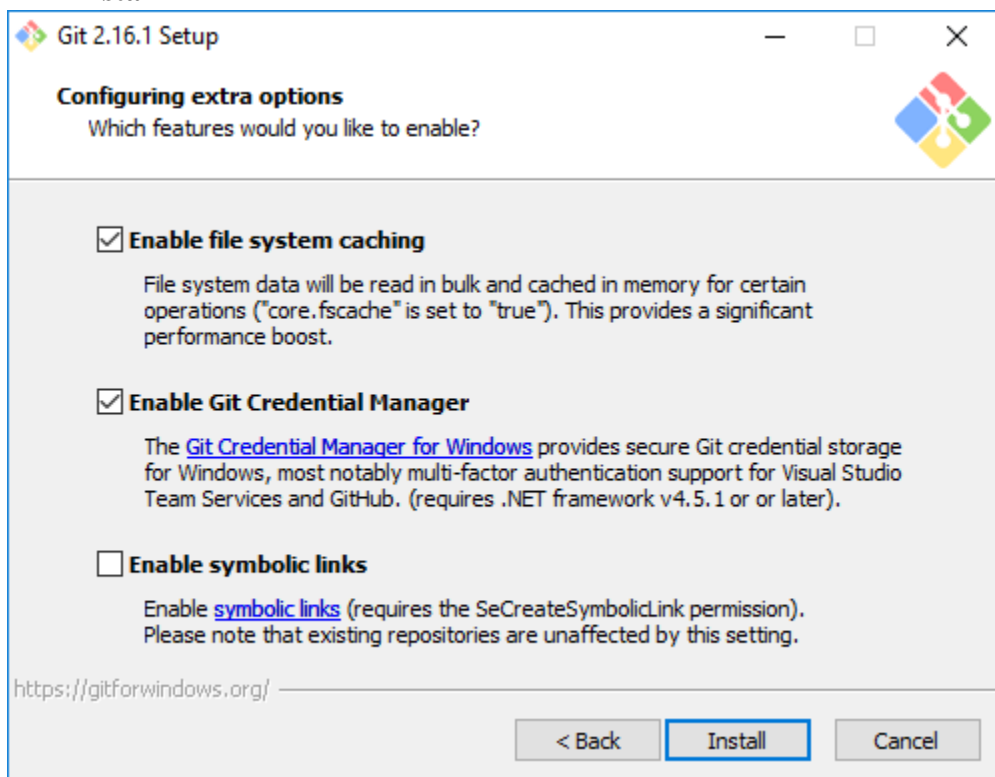




## 10. Klik Next



## 11. Klik Install



## 12. Klik **Finish**

