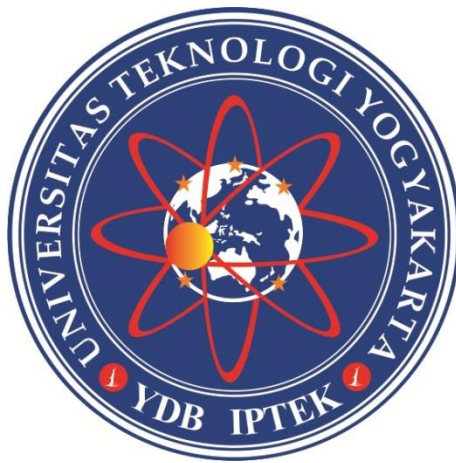


TUGAS PRAKTIKUM DESAIN WEB

PANDUAN INSTALASI FRAMEWORK

BOOTSTRAP & METROUI



Disusun oleh :
Tito Andy Nugroho
5140411338

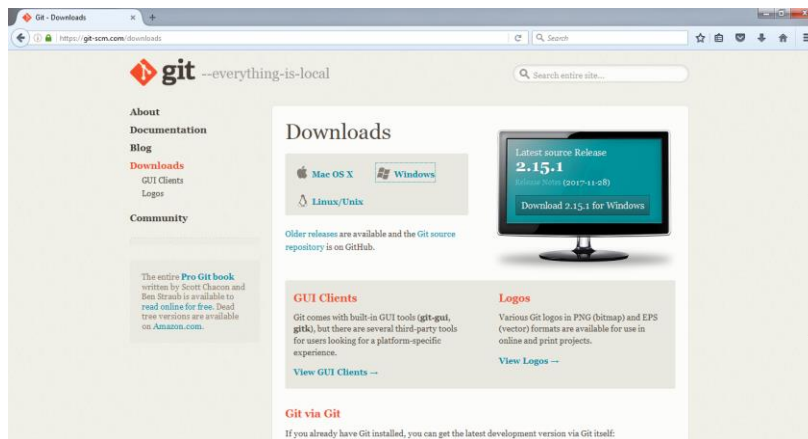
PROGRAM STUDI TEKNIK INFORMATIKA
FAKULTAS TEKNOLOGI INFORMASI DAN ELEKTRO
UNIVERSITAS TEKNOLOGI YOGYAKARTA
Tahun Akademik 2017

I. Panduan Instalasi Framework Bootstrap Menggunakan Composer

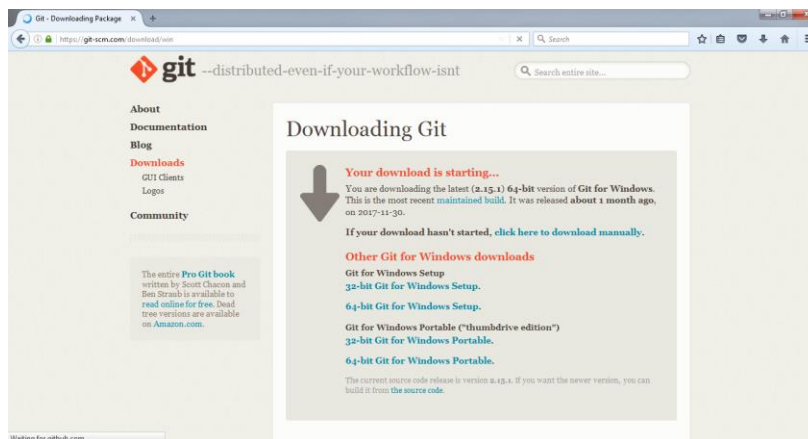
1. Download GIT dari <https://git-scm.com/>.



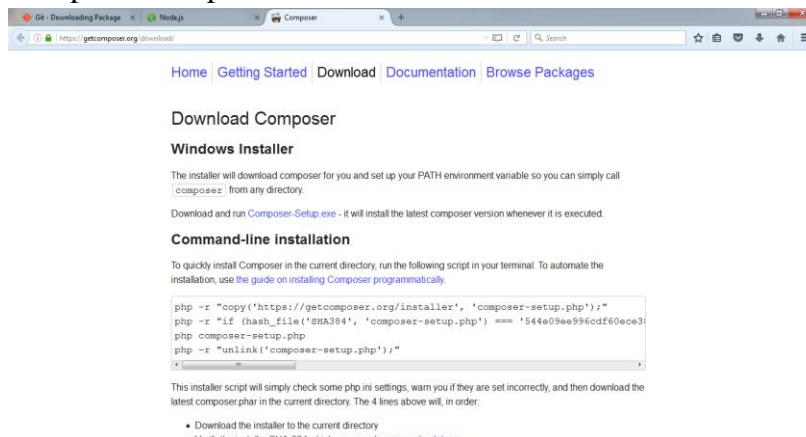
2. Karena komputer saya bersistem operasi *windows*, maka saya men-download GIT untuk *windows*.



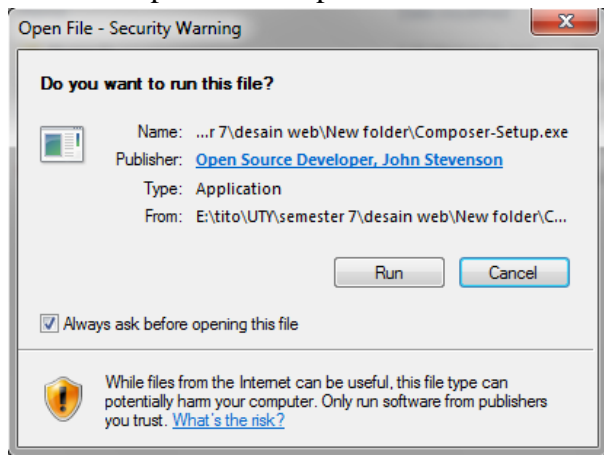
3. Setelah memilih sistem operasi yang digunakan maka selanjutnya adalah memilih salah satu versi



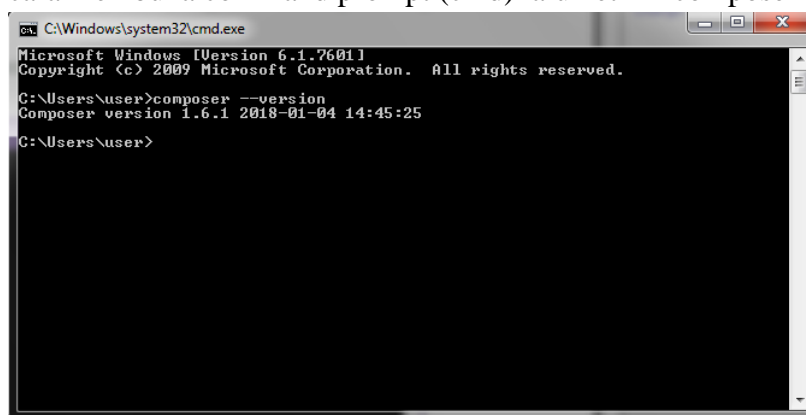
4. Download installer composer dari <https://getcomposer.org/download/>. Klik Composer-Setup.exe untuk mendownload.



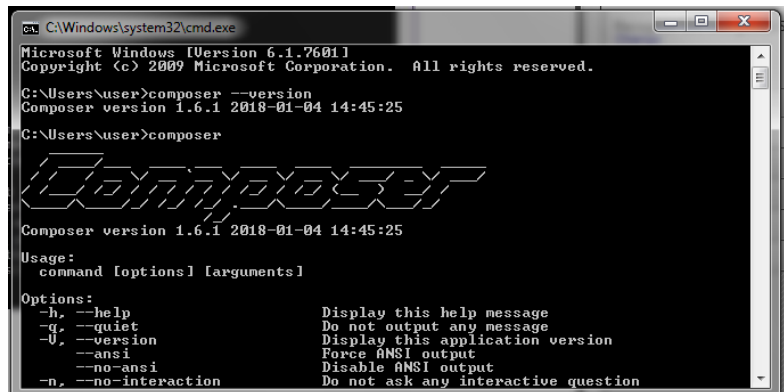
5. Install composer di computer anda.



6. Setelah composer selesai diinstall cek apakah composer berhasil diinstall dengan cara membuka command prompt (cmd) lalu ketik “composer –version”



7. Atau bisa juga dengan mengetik “composer”



```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\User>composer --version
Composer version 1.6.1 2018-01-04 14:45:25

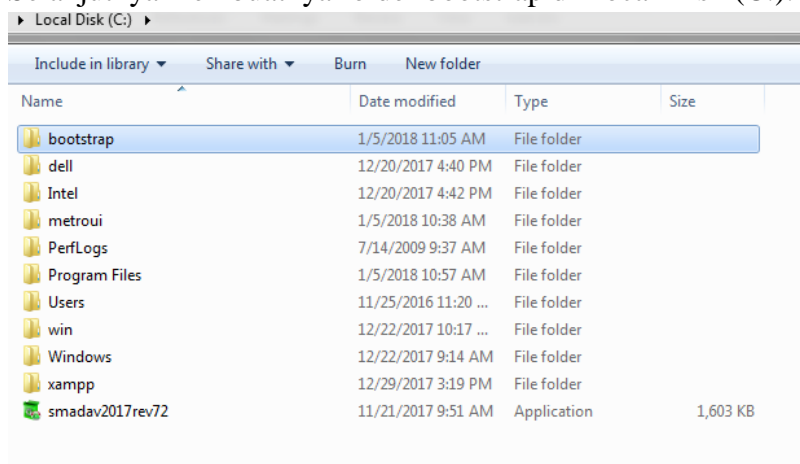
C:\Users\User>composer

Composer version 1.6.1 2018-01-04 14:45:25

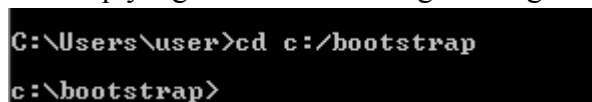
Usage:
  command [options] [arguments]

Options:
  -h, --help            Display this help message
  -q, --quiet           Do not output any message
  -V, --version         Display this application version
  --ansi               Force ANSI output
  --no-ansi            Disable ANSI output
  -n, --no-interaction Do not ask any interactive question
```

8. Selanjutnya membuatnya folder bootstrap di Local Disk (C:).

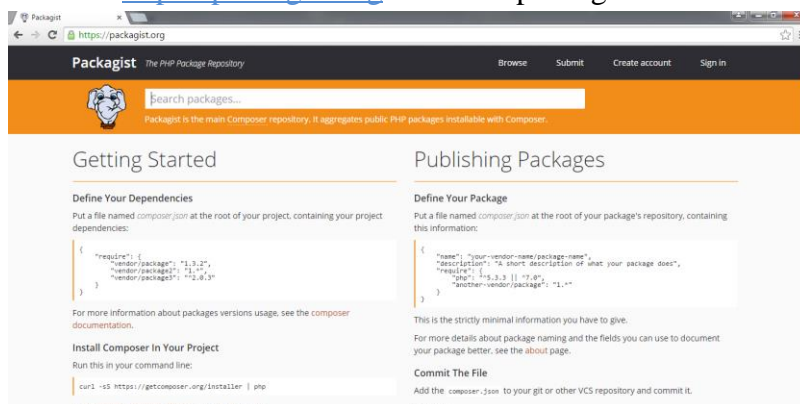


9. Bukalah command prompt (cmd) kemudian ganti direktori ke tempat penyimpanan yang digunakan untuk mengunduh bootstrap, yaitu di folder bootstrap yang kita buat tadi dengan mengetikkan “cd c:/bootstrap”

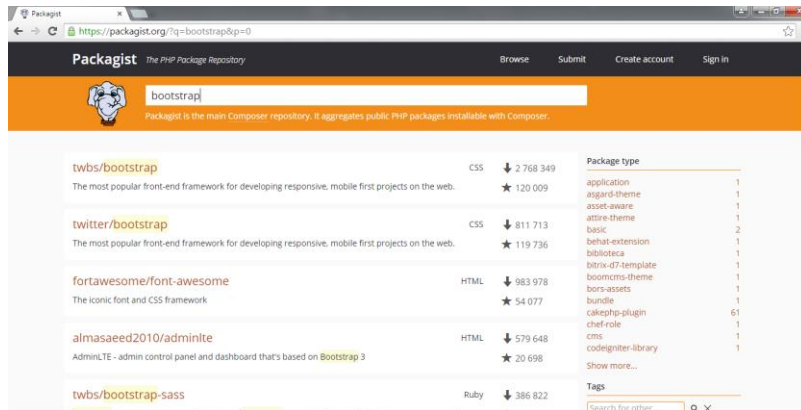


```
C:\Users\User>cd c:/bootstrap
c:\bootstrap>
```

10. Bukalah <https://packagist.org>. Dan cari package untuk bootstrap.



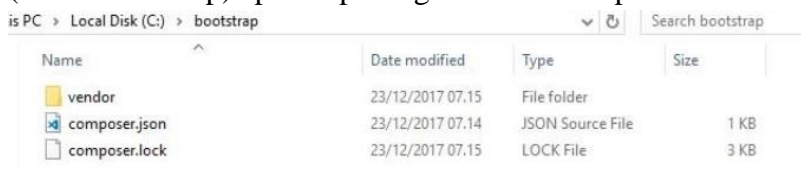
11. Ketik “ bootstrap” pada search, lalu akan muncul twbs/bootstrap.



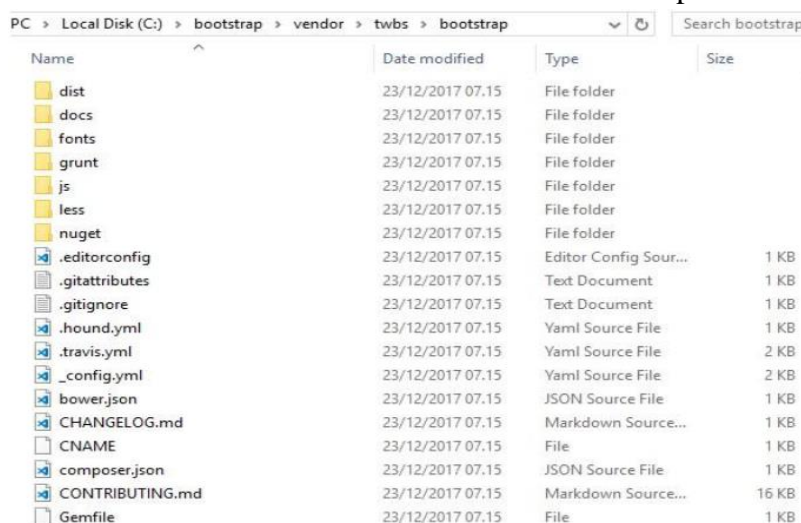
12. Lalu kembalilah ke command prompt (cmd) dan ketikan command composer require twbs/bootstrap, tekan enter dan tunggu hingga proses selesai.

```
c:\bootstrap>composer require twbs/bootstrap
Using version ^3.3 for twbs/bootstrap
./composer.json has been created
Loading composer repositories with package information
Updating dependencies (including require-dev)
Package operations: 1 install, 0 updates, 0 removals
 - Installing twbs/bootstrap (v3.3.7): Loading from cache
Writing lock file
Generating autoload files
c:\bootstrap>
```

13. Setelah proses mengunduh telah selesai cek lah di direktori penyimpanannya (folder bootstrap) apakah package sudah tersimpan atau belum.



14. Buka lah folder Vendor kemudian buka folder twbs pada folder bootstrap.

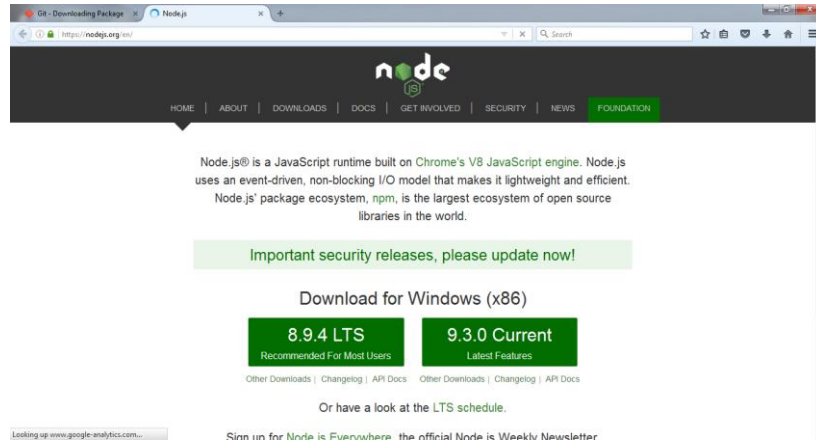


15. Package sukses terunduh dan siap digunakan.

II. Panduan Instalasi Framework Metroui Menggunakan Bower

16. Download GIT dari <https://git-scm.com/>. Karena di komputer saya sudah terinstall GIT maka proses penginstalan GIT saya lewati.

17. Download dan install Node.JS dari <https://nodejs.org/en/>. Pilih salah satu versi



18. Buka Node.Js Command Prompt lewat start dan ketikkan npm version untuk mengecek versi dari Node.Js yang sudah diinstall.

```
C:\Users\user>npm version
{
  npm: '5.6.0',
  ares: '1.10.1-DEV',
  cldr: '31.0.1',
  http_parser: '2.7.0',
  icu: '59.1',
  modules: '57',
  nghttp2: '1.25.0',
  node: '8.9.4',
  openssl: '1.0.2n',
  tz: '2017b',
  unicode: '9.0',
  uv: '1.15.0',
  v8: '6.1.534.50',
  zlib: '1.2.11'
}
```

19. Selanjutnya menginstall bower. Ketikkan “npm install -g bower”, tekan enter dan tunggu hingga proses penginstalan bower selesai.

```
C:\Users\user>npm install -g bower
npm WARN deprecated bower@1.8.2: ...psst! Your project can stop working at any moment because its dependencies can change. Prevent this by migrating to Yarn: https://bower.io/blog/2017/how-to-migrate-away-from-bower/
C:\Users\user\AppData\Roaming\npm\node_modules\npm\bin\bower -> C:\Users\user\AppData\Roaming\npm\node_modules\npm\bin\bower
+ bower@1.8.2
added 1 package in 161.602s
```

20. Cari package yang tersedia di bower menggunakan search. Karena disini kita mencari Metro UI maka cukup ketikkan “bower search Metro” lalu tekan enter.

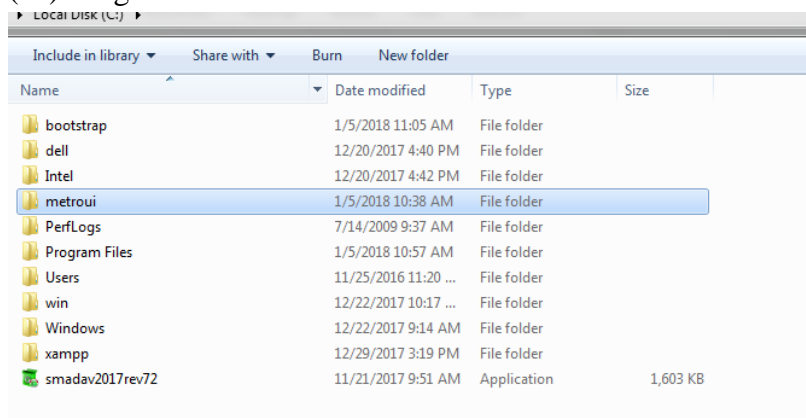
```

C:\Users\user>bower search Metro
Search results:

metro https://github.com/olton/Metro-UI-CSS.git
jq-metro https://github.com/mvalipour/jq-metro.git
metro-ui https://github.com/sirkirby/Metro-UI-CSS-nuget.git
metron https://github.com/metronical/metron.git
metro.js https://github.com/drewgreenwell/MetroJS.git
metro-dist https://github.com/olton/metro-dist.git
metrocss https://github.com/BingKui/metrocss.git
MetroDNA https://github.com/clementoriol/MetroDNA.git
metro-admin https://github.com/angularjsadmin/metro-admin.git
Metro-UI-CSS https://github.com/olton/Metro-UI-CSS.git
metro-ui-css https://github.com/olton/Metro-UI-CSS.git
metro-select https://github.com/metro-start/metro-select.git
metronomejs https://github.com/luizpaulo165/metronomejs.git
metro-bootstrap https://github.com/TalksLab/metro-bootstrap.git
egerep-svg-metro https://github.com/shamego/mosenmetro-svg-map.git
bootmetro https://github.com/aozora/bootmetro.git
vzmetro3 https://github.com/arieswebdev001/vz-metro-3.git
openizi-bootstrap-metro https://github.com/Openizi/bootstrap-metro.git
css3-microsoft-metro-buttons https://github.com/Raffaello/css3-microsoft-met
ro-buttons.git
metrophobic-googlefont https://github.com/google-fonts-bower/metrophobic-bow
er.git
duhbruk https://github.com/dvhubru/dvhub-metro.git

```

21. Pilih salah satu dari package diatas yang akan diinstall. Missal kita memilih package pertama yaitu metro.
22. Setelah itu kita menemukan package yang akan diinstall, selanjutnya menentukan direktori penginstallan package tersebut. Misal kita membuatnya di Local Disk (C:) dengan nama folder metroui.



23. Pindah ke direktori yang diinginkan menggunakan perintah `cd <path_direktori>`.

```

C:\Users\user>cd c:\metroui

```

24. Tuliskan Perintah “`bower install metro`” untuk mulai mengunduh *package* metro.


```

c:\metroui>bower install metro
bower metro#* not-cached https://github.com/olton/Metro-UI-CSS.git#*
bower metro#* resolve https://github.com/olton/Metro-UI-CSS.git#*
bower metro#* download https://github.com/olton/Metro-UI-CSS/archive/3.0
bower metro#* progress received 0.8MB of 49.2MB downloaded, 2%
bower metro#* progress received 0.9MB of 49.2MB downloaded, 2%
bower metro#* progress received 1.1MB of 49.2MB downloaded, 2%
bower metro#* progress received 1.2MB of 49.2MB downloaded, 2%
bower metro#* progress received 1.3MB of 49.2MB downloaded, 3%
bower metro#* progress received 1.5MB of 49.2MB downloaded, 3%
bower metro#* progress received 1.6MB of 49.2MB downloaded, 3%
bower metro#* progress received 1.6MB of 49.2MB downloaded, 3%
bower metro#* progress received 1.7MB of 49.2MB downloaded, 3%
bower metro#* progress received 1.8MB of 49.2MB downloaded, 4%
bower metro#* progress received 1.8MB of 49.2MB downloaded, 4%
bower metro#* progress received 1.9MB of 49.2MB downloaded, 4%
bower metro#* progress received 1.9MB of 49.2MB downloaded, 4%
bower metro#* progress received 2.0MB of 49.2MB downloaded, 4%
bower metro#* progress received 2.1MB of 49.2MB downloaded, 4%
bower metro#* progress received 2.2MB of 49.2MB downloaded, 5%
bower metro#* progress received 2.4MB of 49.2MB downloaded, 5%
bower metro#* progress received 2.7MB of 49.2MB downloaded, 5%
bower metro#* progress received 2.9MB of 49.2MB downloaded, 6%
bower metro#* progress received 3.1MB of 49.2MB downloaded, 6%
bower metro#* progress received 3.3MB of 49.2MB downloaded, 7%
bower metro#* progress received 3.5MB of 49.2MB downloaded, 7%
bower metro#* progress received 3.7MB of 49.2MB downloaded, 8%
bower metro#* progress received 3.9MB of 49.2MB downloaded, 8%

```

25. Tunggu hingga proses pengunduhan *package* metro selesai. Jika sudah seperti dibawah ini maka proses pengunduhan *package* metro sudah selesai.

```

bower metro#* progress received 47.2MB of 49.2MB downloaded, 96%
bower metro#* progress received 47.5MB of 49.2MB downloaded, 96%
bower metro#* progress received 47.8MB of 49.2MB downloaded, 97%
bower metro#* progress received 48.3MB of 49.2MB downloaded, 98%
bower metro#* progress received 49.0MB of 49.2MB downloaded, 100%
bower metro#* extract archive.tar.gz
bower metro#* invalid-meta for:C:\Users\Acer\AppData\Local\Temp\DESKTOP-7
58c309283bcd8d4-9496-B4cy60\bower.json
bower metro#* invalid-meta The "main" field cannot contain font, image, a
bower metro#* invalid-meta The "main" field cannot contain font, image, a
bower metro#* invalid-meta The "main" field cannot contain font, image, a
bower metro#* invalid-meta The "main" field cannot contain font, image, a
bower metro#* invalid-meta The "main" field has to contain only 1 file pe
es: ["build/css/metro.css","build/css/metro-icons.css","build/css/metro-rtl.css","bu
/css/metro-schemes.css"]
bower metro#* resolved https://github.com/olton/Metro-UI-CSS.git#3.0.
bower jquery#>= 1.9.1 not-cached https://github.com/jquery/jquery-dist.git#>= 1
bower jquery#>= 1.9.1 resolve https://github.com/jquery/jquery-dist.git#>= 1
bower jquery#>= 1.9.1 download https://github.com/jquery/jquery-dist/archive
bower jquery#>= 1.9.1 extract archive.tar.gz
bower jquery#>= 1.9.1 resolved https://github.com/jquery/jquery-dist.git#3.2
bower metro#3.0.17 install metro#3.0.17
bower jquery#>= 1.9.1 install jquery#3.2.1

metro#3.0.17 bower_components\metro
└─ jquery#3.2.1

jquery#3.2.1 bower_components\jquery

c:\metroui>

```

26. Cek di direktori penyimpanan apakah packagenya sudah terunduh.

PC > Local Disk (C:) > metroui > bower_components > metro				Search metro
Name	Date modified	Type	Size	
build	20/12/2017 15.42	File folder		
fonts	20/12/2017 15.42	File folder		
js	20/12/2017 15.42	File folder		
less	20/12/2017 15.42	File folder		
.bower.json	20/12/2017 15.42	JSON Source File	2 KB	
.gitattributes	20/12/2017 15.42	Text Document	1 KB	
.gitignore	20/12/2017 15.42	Text Document	1 KB	
bower.json	20/12/2017 15.42	JSON Source File	1 KB	
CHANGELOG.md	20/12/2017 15.42	Markdown Source...	7 KB	
Gruntfile.js	20/12/2017 15.42	JavaScript File	7 KB	
LICENSE	20/12/2017 15.42	File	2 KB	
metro.nuspec	20/12/2017 15.42	NUSPEC File	1 KB	
package.json	20/12/2017 15.42	JSON Source File	2 KB	
README.md	20/12/2017 15.42	Markdown Source...	4 KB	

27. Jika sudah seperti gambar diatas maka package metro telah sukses terunduh dan siap digunakan.