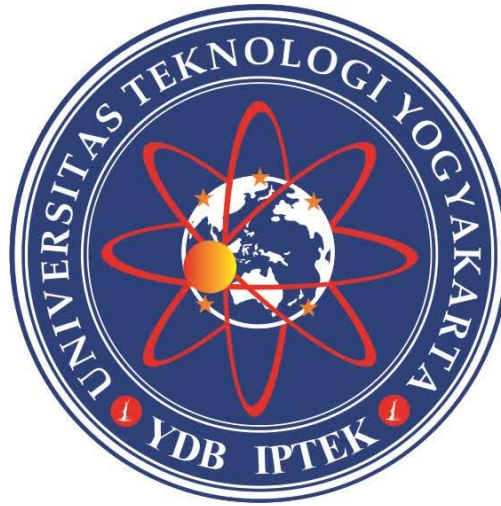


**TUGAS LAPORAN
TUTORIAL MENGINSTALL BOOTSRAP DAN METRO UI**

***Diajukan guna memenuhi tugas besar
Mata Kuliah Praktikum Desain Web***



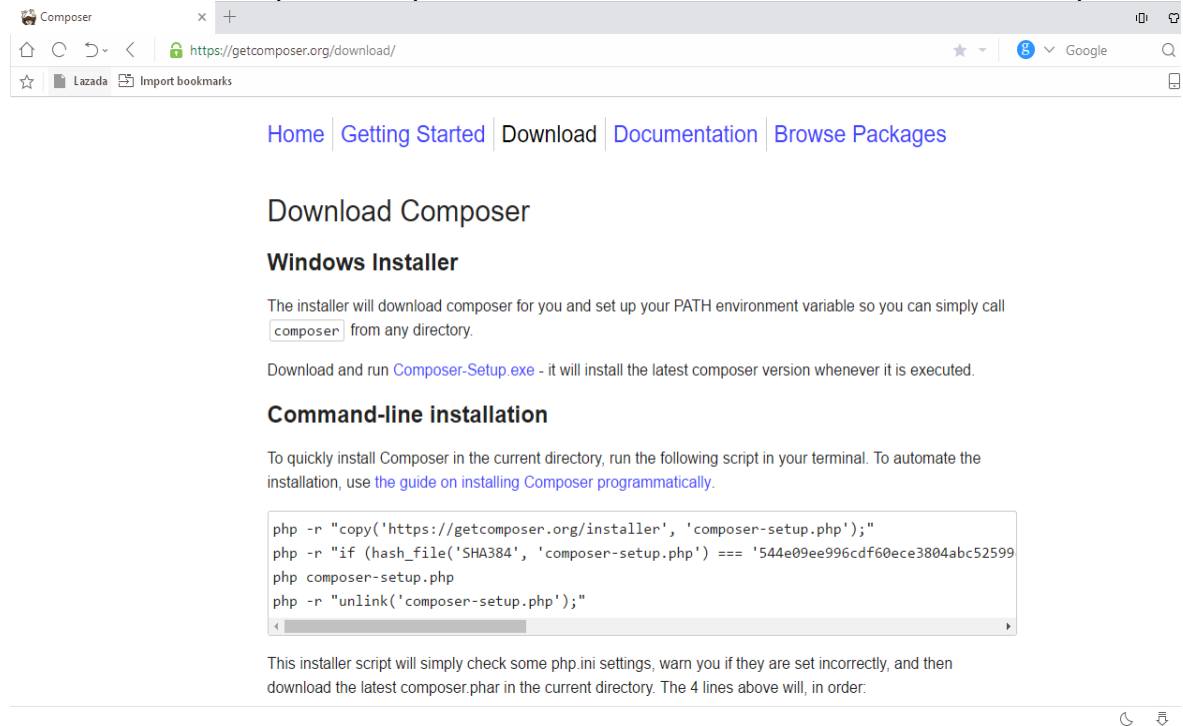
**Disusun Oleh:
Hevin Cahya Saputra
NIM 5140411362**

**FAKULTAS TEKNOLOGI INFORMASI DAN ELEKTRO
UNIVERSITAS TEKNOLOGI YOGYAKARTA
YOGYAKARTA
Tahun Akademik 2017/2018**

Tutorial instalasi framework Bootstrap dengan menggunakan composer:

1. Download dan install GIT dari <https://git-scm.com>.
2. Buka browser dan masukkan link <https://getcomposer.org/download/> untuk mendownload installer composer.

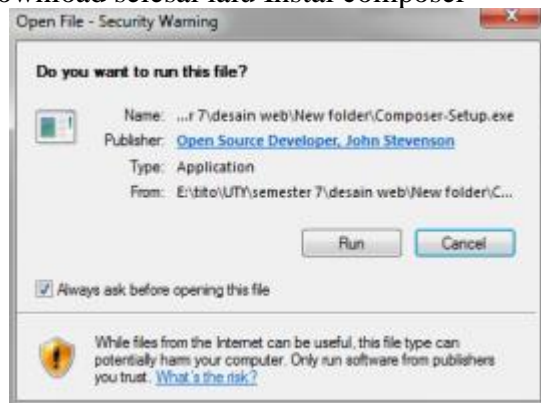
3. Lalu klik Composer-Setup.exe untuk mendownload dan install di computer.



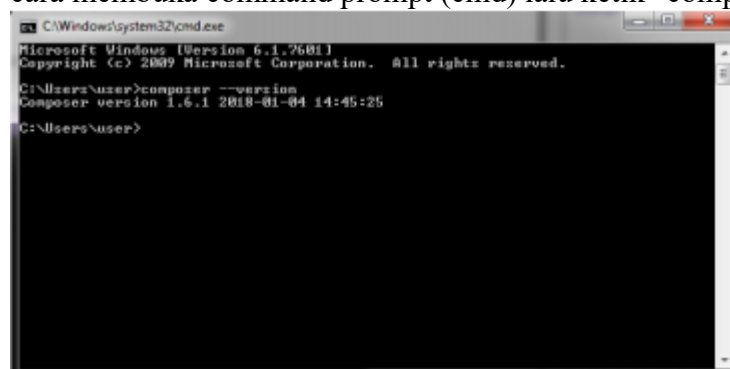
The screenshot shows the Composer website's download page. At the top, there's a navigation bar with links: Home, Getting Started, Download, Documentation, and Browse Packages. The main heading is "Download Composer". Below it, there's a section for "Windows Installer" which states that the installer will download Composer and set up the PATH environment variable. It also mentions downloading and running "Composer-Setup.exe". There's a "Command-line installation" section with a code block containing a PHP script to download and install Composer. The script checks the SHA384 hash of the installer and unlinks it after installation. Below the code, it explains that the installer script will check php.ini settings and download the latest composer.phar.

```
php -r "copy('https://getcomposer.org/installer', 'composer-setup.php');"
php -r "if (hash_file('SHA384', 'composer-setup.php') === '544e09ee996cdf60ece3804abc52599
php composer-setup.php
php -r "unlink('composer-setup.php');"
```

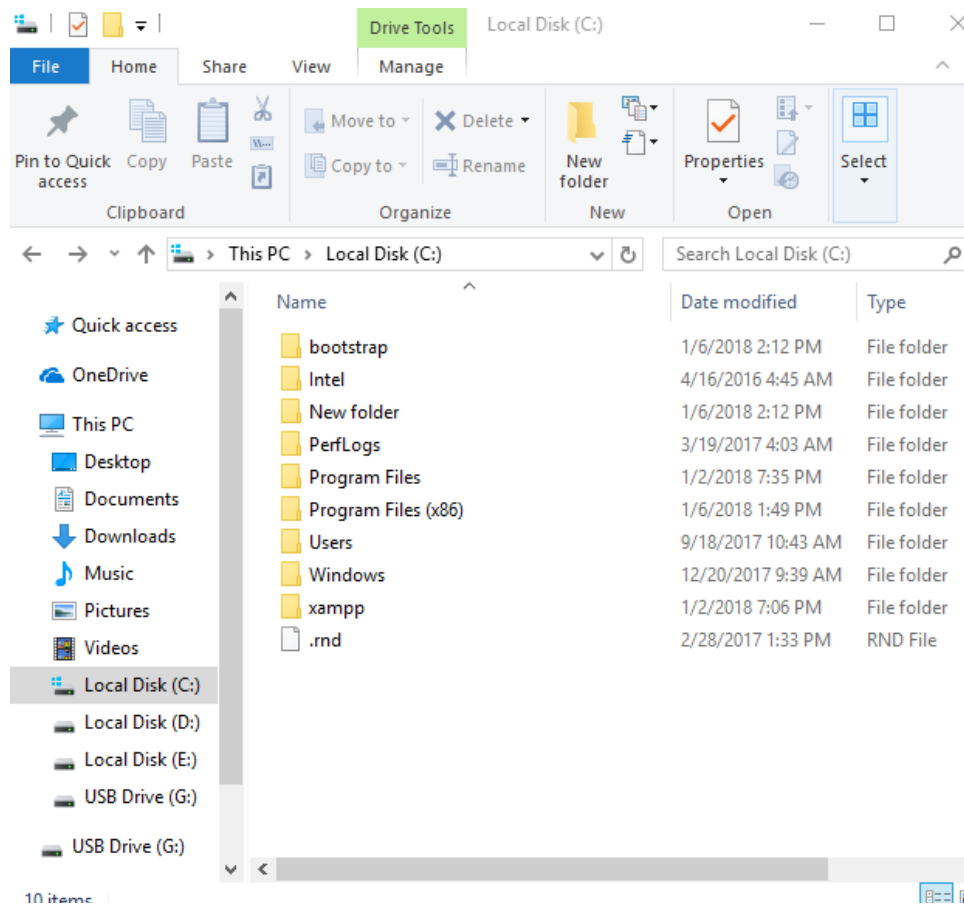
4. Setelah download selesai lalu Instal composer



5. Setelah composer selesai diinstall cek apakah composer berhasil diinstall dengan cara membuka command prompt (cmd) lalu ketik "composer --version"



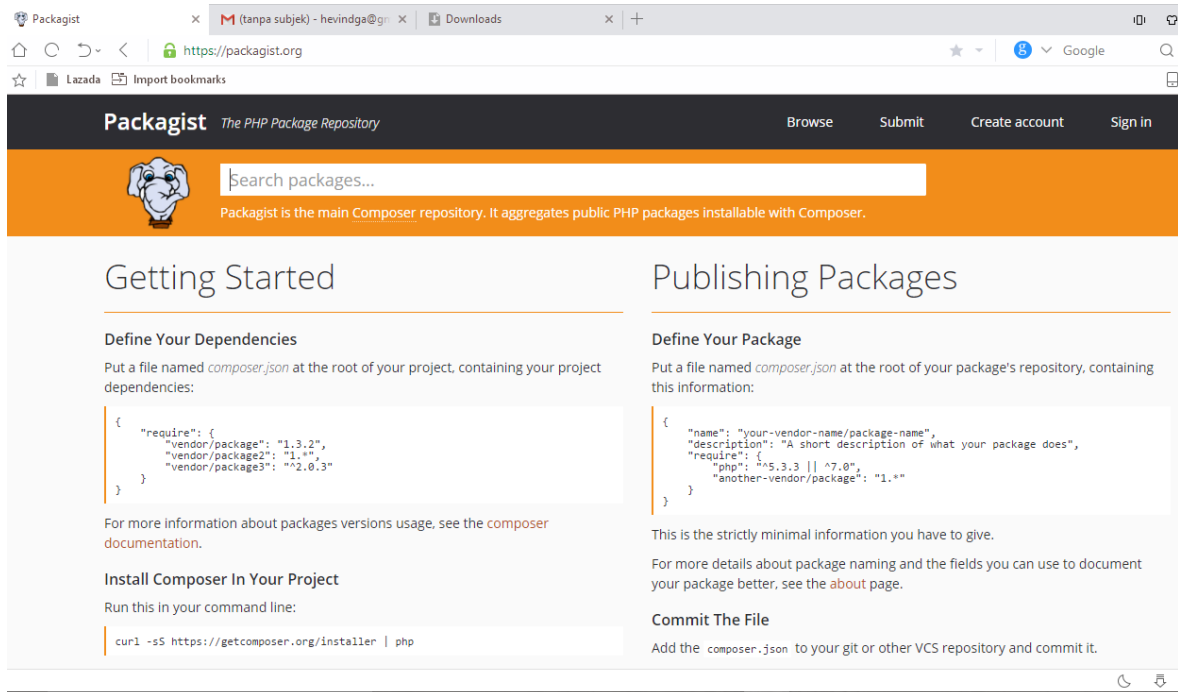
6. Lalu Buat folder bootstrap



7. 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>
```

8. Buka link <https://packagist.org> di browser. Dan cari package untuk bootstrap.



9. Kembali ke command prompt dan ketikkan command **composer require twbs/bootstrap**, tekan enter dan tunggu hingga proses selesai.

```
Microsoft Windows [Version 10.0.15063]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\Acer>cd c:\bootstrap

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

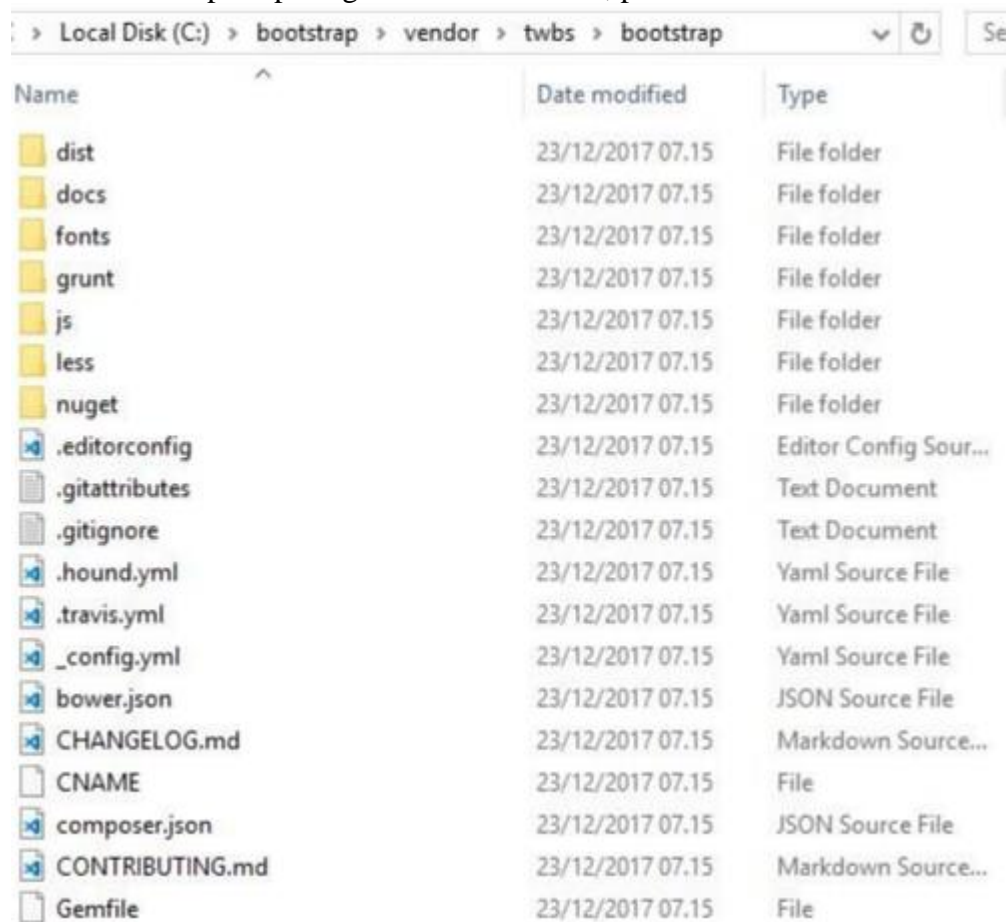
c:\bootstrap>
```

10. Download selesai

11. cek di direktori apakah package sudah tersimpan.



12. Buka lah folder Vendor kemudian buka folder twbs pada folder bootstrap. Jika folder vendor seperti pada gambar di bawah ini, proses instalasi selesai.



Name	Date modified	Type
dist	23/12/2017 07.15	File folder
docs	23/12/2017 07.15	File folder
fonts	23/12/2017 07.15	File folder
grunt	23/12/2017 07.15	File folder
js	23/12/2017 07.15	File folder
less	23/12/2017 07.15	File folder
nuget	23/12/2017 07.15	File folder
.editorconfig	23/12/2017 07.15	Editor Config Sour...
.gitattributes	23/12/2017 07.15	Text Document
.gitignore	23/12/2017 07.15	Text Document
.hound.yml	23/12/2017 07.15	Yaml Source File
.travis.yml	23/12/2017 07.15	Yaml Source File
_config.yml	23/12/2017 07.15	Yaml Source File
bower.json	23/12/2017 07.15	JSON Source File
CHANGELOG.md	23/12/2017 07.15	Markdown Source...
CNAME	23/12/2017 07.15	File
composer.json	23/12/2017 07.15	JSON Source File
CONTRIBUTING.md	23/12/2017 07.15	Markdown Source...
Gemfile	23/12/2017 07.15	File

Tutorial menginstal Metro UI menggunakan bower:

1. Download dan install GIT dari <https://git-scm.com>.
2. Download dan install Node.JS dari <https://nodejs.org/en/>. Pilih salah satu versi



Node.js® is a JavaScript runtime built on Chrome's V8 JavaScript engine. Node.js uses an event-driven, non-blocking I/O model that makes it lightweight and efficient. Node.js' package ecosystem, **npm**, is the largest ecosystem of open source libraries in the world.

Important **security releases**, please update now!

Download for Windows (x64)

8.9.3 LTS

Recommended For Most Users

9.3.0 Current

Latest Features

[Other Downloads](#) | [Changelog](#) | [API Docs](#)

[Other Downloads](#) | [Changelog](#) | [API Docs](#)

3. Lalu buka Node.Js Command Prompt lewat start dan ketikkan npm version untuk mengecek versi dari Node.Js yang sudah diinstall.

```
Your environment has been set up for using Node.js 8.9.3 (x64) and npm.

C:\Users\Acer>npm version
{ npm: '5.5.1',
  ares: '1.10.1-DEV',
  cldr: '31.0.1',
  http_parser: '2.7.0',
  icu: '59.1',
  modules: '57',
  nghttp2: '1.25.0',
  node: '8.9.3',
  openssl: '1.0.2n',
  tz: '2017b',
  unicode: '9.0',
  uv: '1.15.0',
  v8: '6.1.534.48',
  zlib: '1.2.11' }
```


4. Lalu proses selanjutnya adalah menginstall bower. Ketikkan `npm install -g bower`, tekan enter dan tunggu hingga proses penginstallan bower selesai.

```
C:\Users\Acer>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\Acer\AppData\Roaming\npm\bower -> C:\Users\Acer\AppData\Roaming\npm\node_modules\bower\bin\bower
+ bower@1.8.2
added 1 package in 32.626s
```

5. Selanjutnya cari package yang tersedia di bower menggunakan search. Karena disini kita mencari Metro UI maka cukup ketikkan **bower search Metro**.
6. Dan berikut adalah hasil dari pencarian menggunakan keyword **Metro**.

```
C:\Users\Acer>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
metrojs 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/mosemetro-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-metro-buttons.git
metrophobic-googlefont https://github.com/google-fonts-bower/metrophobic-bower.git
dvhbruk https://github.com/dvhbru/dvhb-metro.git

C:\Users\Acer>
```

7. Pilih salah satu dari package diatas yang akan diinstall.
8. Setelah kita menemukan package yang akan diinstall, lalu proses selanjutnya adalah menentukan direktori penginstallan package tersebut.
9. Pindah ke direktori yang diinginkan menggunakan perintah `cd <path_direktori>`.

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

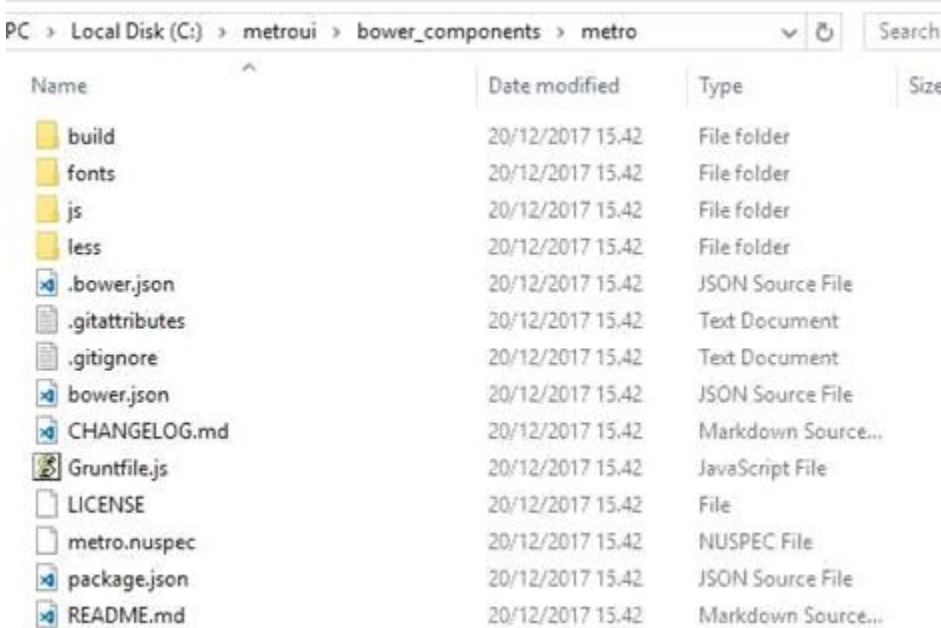
10. Masukkan perintah bower install metro untuk mulai mengunduh package.

```
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%
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>
```


11. Tunggu hingga proses mengunduh selesai .
12. Setelah proses download selesai cek di direktori penyimpanan apakah packagenya sudah terunduh.



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	
.gitattributes	20/12/2017 15.42	Text Document	
.gitignore	20/12/2017 15.42	Text Document	
bower.json	20/12/2017 15.42	JSON Source File	
CHANGELOG.md	20/12/2017 15.42	Markdown Source...	
Gruntfile.js	20/12/2017 15.42	JavaScript File	
LICENSE	20/12/2017 15.42	File	
metro.nuspec	20/12/2017 15.42	NUSPEC File	
package.json	20/12/2017 15.42	JSON Source File	
README.md	20/12/2017 15.42	Markdown Source...	

13. Packagenya sukses terunduh dan siap digunakan.