

**LAPORAN HASIL PRAKTIKUM
PEMPROGAMAN WEB & MOBILE**



NAMA : LOUDRY
NIM : 193030503069
KELAS : A
MODUL : V (REACT NATIVE)

JURUSAN TEKNIK INFORMATIKA
FAKULTAS TEKNIK
UNIVERSITAS PALANGKA RAYA
2021

BAB I

LANDASAN TEORI

1.1. INSTALL CHOCOLATY

Klik search, ketikkan “cmd” jika sudah muncul “Comamnd Prompt” klik kanan lalu “Run As Administrator” Jalankan perintah di bawah ini, boleh di copas

```
@ "%SystemRoot%\System32\WindowsPowerShell\v1.0\powershell.exe" -  
NoProfile -InputFormat None -ExecutionPolicy Bypass -Command "iex ((New-  
Object  
System.Net.WebClient).DownloadString('https://chocolatey.org/install.ps1'))" &&  
SET "PATH=%PATH%;%ALLUSERSPROFILE%\chocolatey\bin"
```

Tunggu sampai proses selesai.

1.2. INSTALL JDK, NODE.JS, DAN PHYTON

Ketikkan perintah dibawah di CMD tadi

```
choco install -y nodejs.install python2 jdk8
```

Tunggu sampai selesai.

1.3. INSTALL ANDROID STUDIO

Jika sebelumnya sudah install android studio, bisa langsung ke step selanjutnya. Jika belum, silahkan download dan install softwarenya pada link di bawah ini.

```
https://developer.android.com/studio/
```

1.4. INSTALL ANDROID SDK

Caranya, jalankan android studio, saat di halaman “Welcome to Android Studio” klik Menu Configure lalu pilih “SDK Manager”.

Pilih Tab “SDK Platforms” pada SDK Manager, kemudian cek pada list Android 9.0 (Pie) dan Android 8.0 (Oreo).

Kemudian cek “Show Package Details” yang ada di kanan bawah.

Pastikan cek

- Android SDK Platform 28 & 26
- Source for android 28 & 26
- Intel x86 Atom_64 System Image atau Google APIs Intel x86 Atom System Image

Kemudian pilih tab “SDK Tools” dan cek “Show Package Details” di kanan bawah.

Cari “Android SDK Build-Tools”, pastikan bahwa **28.0.3** sudah di cek.

Cek juga “Android Emulator, Android SDK Platform-Tools, Android SDK Tools”.

Jika sudah, klik “Apply” lalu akan muncul popup info yang akan didownload ber GB, jika sudah yakin klik “OK”.

Tunggu sampai proses download selesai ya.

1.5. SETUP PATH ENVIRONMENT VARIABLE

Klik menu pencarian, ketikkan “path” klik “edit the system environment variables”.

Pada tab “Advanced” klik “environment variable...” di kanan bawah.

Pada “User variables”, klik “New” dan isikan

variable name : ANDROID_HOME

variable value : c:\Users\YOUR_USERNAME\AppData\Local\Android\Sdk

ganti “YOUR_USERNAME” sesuai yang ada di PC.

Lanjut, klik variabel “path”, kemudian klik edit. Klik New lalu masukkan path platform-tools.

c:\Users\YOUR_USERNAME\AppData\Local\Android\Sdk\platform-tools

Setelah selesai, klik “OK” “OK”.

1.6. INSTALL REACT NATIVE CLI

Tutup CMD lalu buka lagi. Lalu ketikkan :

```
npm install -g react-native-cli
```

Tunggu sampai selesai.

1.7. BUAT APLIKASI PERTAMAMU

ketikkan

```
react-native init ProjectSaya
```

untuk pertama kali, ini akan memerlukan waktu agak lama. Tunggu sampai selesai.

1.8. SETTING DEVICE/EMULATOR KAMU

Tancapkan HP dengan kabel ke PC.

Pastikan developer mode sudah aktif dan “USB Debugging” di aktifkan juga.

Setelah itu cek di CMD apakah sudah terdeteksi dengan cara ketik

```
adb devices
```

jika sudah muncul bisa lanjut ke tahap berikutnya, jika belum setting dulu HPnya yaa..

1.9. MENJALANKAN REACT NATIVE APP DI HP

kembali ke CMD, ketik

```
cd ProjectSaya
```

```
react-native run-android
```

Tunggu sampai selesai, lihat HP kalo ada aplikasi menanyakan izin instalasi, klik “Ijinkan”.

Kalau error, cek errornya lalu dibenerin. hehehe

Kalau sukses, harusnya sudah muncul di HP. Selamat ya...

1.10. EDIT CODINGAN APP

Setelah sukses menjalankan app, selanjutnya modifikasi isi programnya.

Buka folder ProjectSaya dengan editor kesukaan (Sublime, Atom, Pspad, dll)

Cari App.js, edit beberapa teks lalu save.

Kembali ke HP, klik menu lalu “Reload”, lihat apa yang terjadi.

BAB II

PEMBAHASAN

2.1. Install Chocolatey

```
Microsoft Windows [Version 10.0.19041.505]
(c) Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32\cmd.exe /s /c powershell.exe -NoProfile -InputFormat None -ExecutionPolicy Bypass -Command "iex ((New-Object System.Net.WebClient).DownloadString('https://chocolatey.org/install.ps1'))" && SET "PATH=%PATH%;%ALLUSERSPROFILE%\chocolatey\bin"

Chocolatey package for download.
Setting Chocolatey from https://community.chocolatey.org/api/v2/package/chocolatey/0.10.15.
Downloading https://community.chocolatey.org/api/v2/package/chocolatey/0.10.15 to C:\Users\Yudha\AppData\Local\Temp\chocolatey\chocolatey\chocolatey.zip
Not using proxy.
Extracting C:\Users\Yudha\AppData\Local\Temp\chocolatey\chocolatey\chocolatey.zip to C:\Users\Yudha\AppData\Local\Temp\chocolatey\chocolatey\chocolatey
Installing Chocolatey on the local machine
Creating ChocolateyInstall as an environment variable (targeting 'Machine')
Setting ChocolateyInstall to 'C:\ProgramData\chocolatey'
WARNING: It's very likely you will need to close and reopen your shell
before you can use choco.
Restricting write permissions to Administrators
We are setting up the Chocolatey package repository.
The packages themselves go to 'C:\ProgramData\chocolatey\lib'
(i.e. C:\ProgramData\chocolatey\lib\yourpackagename).
A ship file for the command line goes to 'C:\ProgramData\chocolatey\bin'
and points to an executable in 'C:\ProgramData\chocolatey\lib\yourpackagename'.

Creating Chocolatey folders if they do not already exist.

WARNING: You can safely ignore errors related to missing log files when
upgrading from a version of Chocolatey less than 0.9.9.
Batch file could not be found. It is safe to ignore.
The system cannot find the file specified. - also safe.
chocolatey.msi file not installed in lib.
Attempting to locate it from bootstrapper.
PATH environment variable does not have C:\ProgramData\chocolatey\bin in it. Adding...
WARNING: Not setting tab completion. Profile file does not exist at
'C:\Users\Yudha\Documents\WindowsPowerShell\Microsoft.PowerShell_profile.ps1'.
Chocolatey (choco.exe) is now ready.
You can call choco from anywhere, command line or powershell by typing choco.
Run choco /? for a list of functions.
You may need to shut down and restart powershell and/or consoles
first prior to using choco.
Ensuring Chocolatey commands are on the path
Ensuring chocolatey.msi is in the lib folder
```

Gambar 2.1 instal chocolatey

Pada bagian ini digunakan untuk menginstal chocolatey dimana pada bagian ini hanya perlu mengetikkan coding yang terdapat pada landasan teori, pada bagian ini diharuskan menggunakan cmd run as administrator agar dapat berjalan dengan baik dan ketikkan

```
@ "%SystemRoot%\System32\WindowsPowerShell\v1.0\powershell.exe" -
NoProfile -InputFormat None -ExecutionPolicy Bypass -Command "iex ((New-
Object
System.Net.WebClient).DownloadString('https://chocolatey.org/install.ps1'))" &&
SET "PATH=%PATH%;%ALLUSERSPROFILE%\chocolatey\bin"
```

2.2. install jdk, node.js, dan python

```

C:\WINDOWS\system32\cmd choco install -y nodejs.install python2 jdk8
nodejs.install v10.16.0 [Approved]
Installing the following packages:
nodejs.install.python2.jdk8
By installing you accept licenses for the package.
Progress: Downloading nodejs.install 10.1.0... 100%

nodejs.install v10.16.0 [Approved]
nodejs.install package files install completed. Performing other installation steps.
Installing 64-bit version
Installing nodejs.install...
nodejs.install has been installed.
nodejs.install may be able to be automatically uninstalled.
Environment vars (like PATH) have changed. Close/reopen your shell to
see the changes for a successful outcome just type: 'refreshenv'.
The install of nodejs.install was successful.
Software installed as 'x64', install location is likely default.
Progress: Downloading python2 2.7.18... 100%

python2 v2.7.18 [Approved]
python2 package files install completed. Performing other installation steps.
Installing 64-bit python2...
python2 has been installed.
Installing to 'C:\Python27'
Adding C:\Python27 to PATH if needed
python2 may be able to be automatically uninstalled.
Environment vars (like PATH) have changed. Close/reopen your shell to
see the changes for a successful outcome just type: 'refreshenv'.
The install of python2 was successful.
Software installed as 'x64', install location is likely default.
Progress: Downloading jdk8 8.0.211... 100%

jdk8 v8.0.211 [Approved]
jdk8 package files install completed. Performing other installation steps.
Downloading 20K from https://java.oracle.com/webapps/download/GetFile/1.8.0_211-b12/478a62b784c3b678b671c754eae738ab/windows-1586/jdk-8u211-windows-x64.exe

```

Gambar 2.1 instal jdk,node dan phyton

pada bagian ini juga digunakan cmd run as administrator yang mana pagian ini digunakan untuk menginstal 3 paket yaitu jdk,node js dan phyton pada bagian ini diketikan

```
choco install -y nodejs.install python2 jdk8
```

2.3. install android studio

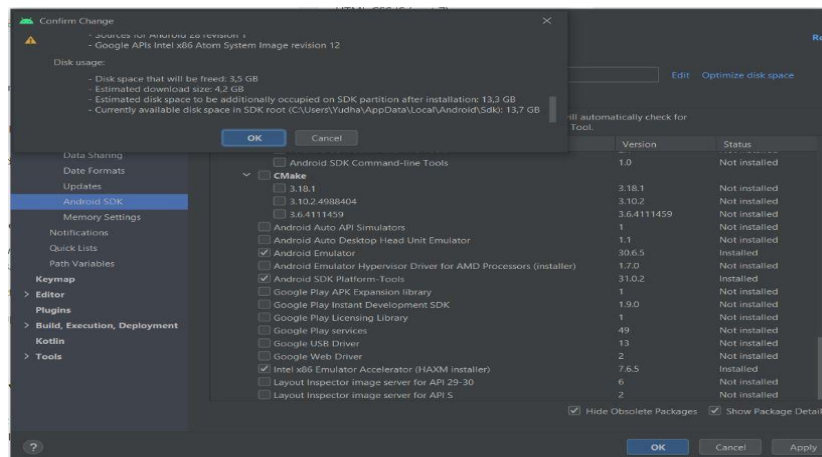


Gambar 2.3 tampilan download

pada bagian ini akan di instalkan android studio untuk mencoba react native yang mana tidak perlu hp untuk mencobanya, tampilan di atas merupakan tampilan website untuk mendownload android studio dimana link yang digunakan untuk mendownload adalah

```
https://developer.android.com/studio/
```

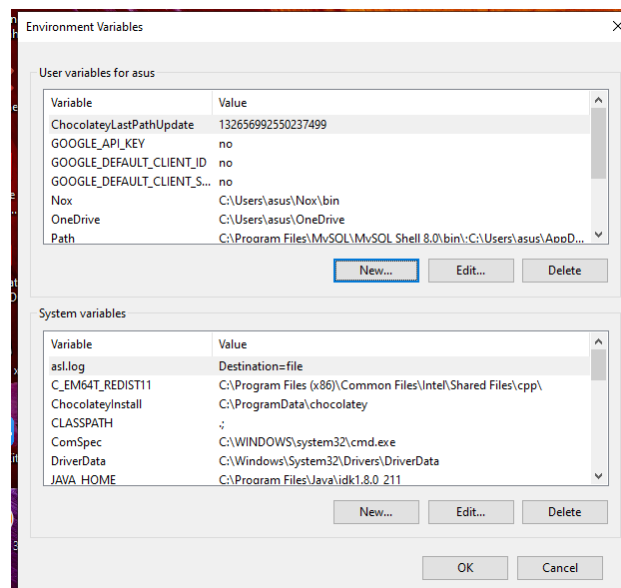
2.4. install android sdk



Gambar 2.4 setting sdk manager

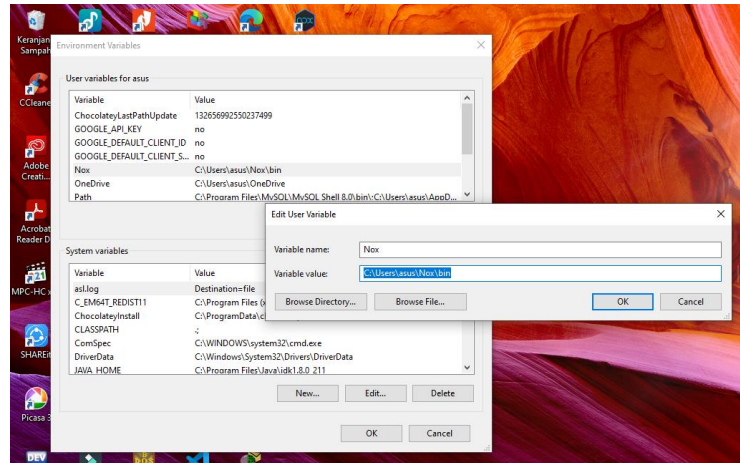
Pada bagian ini digunakan untuk mengatur sdk pada android studio dimana pada bagian ini dipilih pilihan tertentu seperti pada landasan teori dan ketika pilihan yang dipilih tersedia akan dimunculkan paket yang akan didownload dengan total memori yang dipilih

2.5. setup path environment variable



Gambar 2.5 mengatur environment

pada bagian ini digunakan untuk mengatur path pada environment variable yang mana diberi nama android_home dan memiliki penyimpanan seperti gambar di atas



Gambar 2.6 mengatur path

Pada bagian ini digunakan untuk mengatur path, pada bagian path ditambahkan environment baru seperti gambar di atas yang mana akan diatur sesuai gambar

2.6. install react native cli

```
Microsoft Windows [Version 10.0.19041.985]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Yudha>npm install -g react-native-cli

npm notice
npm notice New minor version of npm available! 7.11.2 -> 7.13.0
npm notice Changelog: https://github.com/npm/cli/releases/tag/v7.13.0
npm notice Run npm install -g npm@7.13.0 to update!
npm notice

added 81 packages, and audited 82 packages in 20s

36 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
npm notice
npm notice New minor version of npm available! 7.11.2 -> 7.13.0
npm notice Changelog: https://github.com/npm/cli/releases/tag/v7.13.0
npm notice Run npm install -g npm@7.13.0 to update!
npm notice

C:\Users\Yudha>
```

Gambar 2.7 instal react native

Pada bagian ini digunakan untuk menginstal react native yang mana akan digunakan untuk keperluan yang akan datang pada tutorial selanjutnya untuk menginstal react native diketikan

npm install -g react-native-cli

2.7. buat aplikasi pertamamu

```

C:\Users\Vudha>react-native init ProjectXaya
This will walk you through creating a new React Native project in C:\Users\Vudha>ProjectXaya
Using yarn v1.22.18
Installing react-native...
yarn add v1.22.18
info No lockfile found.
[1/4] Resolving packages...
warning react-native <react-native-community/c11> metro > metro-minify-uglify > uglify-es@1.3.9: support for ECMAScript is superseded by 'uglify-js' as of v3.13.0
warning react-native > react-native-community > jscodeshift > micromatch > snapdragon > source-map-resolve > urql@1.2.1: https://github.com/jedryski/urql-deprecated
warning react-native > react-native-community > jscodeshift > micromatch > snapdragon > source-map-resolve > urql@1.0: Please see https://github.com/jedryski/urql-deprecated
[2/4] Fetching packages...
info Evented@1.2.2: The platform "linux" is incompatible with this module.
info Evented@1.2.2: An optional dependency is failed compatibility check. Excluding it from installation.
[3/4] Linking dependencies...
warning react-native > metro-react-native-babel-transformer@0.64.0 has unmet peer dependency '@babel/core@*'.
warning react-native > url-subscription@5.1.1 has unmet peer dependency 'react@16.8.0 || 17.0.0-rc.0'.
warning react-native > react-native-codgen > jscodeshift@0.11.0 has unmet peer dependency '@babel/preset-env@7.1.0-rc.1'.
[4/4] Building fresh packages...

Success Saved lockfile.
Success Saved 377 new dependencies.
info Direct dependencies
react-native@64.1
info All dependencies
@babel/compat-data@7.14.0
@babel/helper-builder-binary-assignment-operator-visitor@7.12.11
@babel/helper-compiler-target@7.13.16
@babel/helper-create-regexp-features-plugin@7.12.17
@babel/helper-explode-assignable-expression@7.13.0
@babel/helper-function-name@7.14.2
@babel/helper-get-function-arity@7.12.13
@babel/helper-module-imports@7.13.12
@babel/helper-module-transformer@7.14.2
@babel/helper-replace-supers@7.13.12
@babel/helper@7.14.0
@babel/highlight@7.14.0
@babel/plugin-proposal-class-properties@7.13.0
@babel/plugin-proposal-export-default-from@7.12.11
@babel/plugin-proposal-nullish-coalescing-operator@7.14.2
@babel/plugin-proposal-optional-catch-binding@7.14.2
@babel/plugin-proposal-optional-chaining@7.14.2
@babel/plugin-syntax-class-properties@7.12.13
@babel/plugin-syntax-dynamic-import@7.8.3
@babel/plugin-syntax-export-default-from@7.12.13
@babel/plugin-syntax-flow@7.12.13
@babel/plugin-syntax-jsexp@7.12.11
@babel/plugin-syntax-nullish-coalescing-operator@7.8.3
@babel/plugin-syntax-object-rest-spread@7.8.3
@babel/plugin-syntax-optional-catch-binding@7.8.3

```

Gambar 2.8 mmebuat project

Pada bagian ini digunakan untuk membuat project yang akan dijadikan aplikasi pada smartphone cara membuat project digunakan cmd sebagai berikut

react-native init ProjectSaya

2.8. setting device/emulator kamu

```
C:\ Prompt Perintah
Microsoft Windows [Version 10.0.18363.1316]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\asus>cd Nox

C:\Users\asus\Nox>cd bin

C:\Users\asus\Nox\bin>
```

Gambar 2.9 cek device terhubung

pada bagian ini digunakan untuk menampilkan apakah smartphone telah terhubung dengan computer dan bisa dilakukan debugging, pada bagian ini akan muncul daftar device yang terhubung

adb devices

2.9. menjalankan react native app di hp

```
npm
Microsoft Windows [Version 10.0.18363.1316]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\asus>cd Nox
C:\Users\asus\Nox>cd bin
C:\Users\asus\Nox\bin>cd Loudry
C:\Users\asus\Nox\bin\Loudry>expo start
WARNING: expo-cli has not yet been tested against Node.js v16.1.0.
If you encounter any issues, please report them to https://github.com/expo/expo-cli/issues

expo-cli supports following Node.js versions:
* >=12.13.0 <13.0.0 (Maintenance LTS)
* >=14.0.0 <15.0.0 (Active LTS)
* >=15.0.0 <17.0.0 (Current Release)

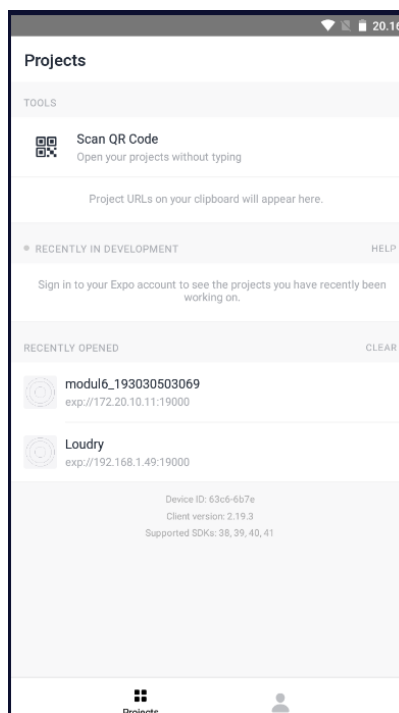
Starting project at C:\Users\asus\Nox\bin\Loudry
Developer tools running on http://localhost:19002
Opening developer tools in the browser...
Starting Metro Bundler
```

Gambar 2.10 menjalankan react native di smartphone

Pada bagian ini digunakan untuk menjalankan react native ke smartphone untuk dapat menjalankan react native diketikan pada cmd

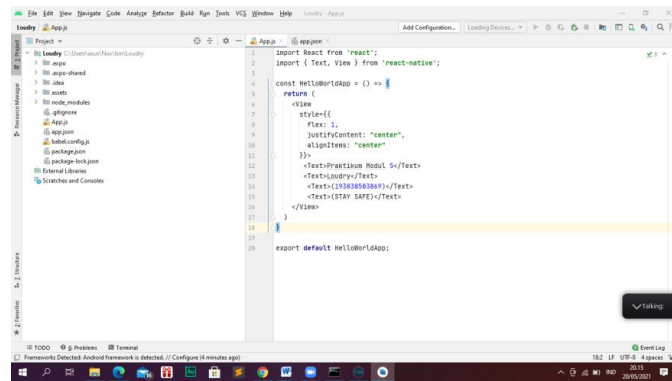
```
cd ProjectSaya
react-native run-android
```

Setelah dilakukan cara untuk menjalankan react native pada smartphone akan muncul tampilan sukses pada smartphone dan terinstal aplikasi dengan nama yang sesuai dengan project yang dibuat, contoh tampilan pada smartphone adalah sebagai berikut



Gambar 2.11 tampilan aplikasi pada smartphone

2.10. EDIT CODINGAN APP



Gambar 2.12 perubahan pada coding

Pada bagian ini dilakukansedikit perubahan dengan sublime text yang mana pada bagian ini digunakan untuk merubah kata step one dengan Praktikum Modul 5 setelah dilakukan ini maka aka ada perubahan pada apk yang terinstal pada smartphone



Gambar 2.13 tampilan aplikasi ketika sudah dirubah

Pada bagian ini menampilkan apk pada smartphone yang telah dilakukan sedikit perubahan yaitu menampilkan nama dan nim programmer yang telah di atur

BAB III

KESIMPULAN

React Native adalah framework mobile app development yang memungkinkan pengembangan aplikasi secara multi-platform yaitu Android dan iOS. Sederhananya, React Native adalah framework yang memungkinkan developer membuat aplikasi untuk berbagai platform dengan menggunakan basis kode yang sama. Lewat website resmi React Native, mereka mengklaim bahwa framework berbasis JavaScript tersebut adalah cara yang terbaik untuk membangun user interface mobile app.

Penggabungan antara native mobile app dan React juga bisa dilakukan dengan mudah. Jadi, pengembang bisa membuat aplikasi Android dan iOS dengan lebih cepat. React Native sendiri pertama kali dirilis pada tahun 2015 oleh Facebook dan menjadi bagian dari proyek open source mereka

DAFTAR PUSTAKA

React Native: Ketahui Pengertian serta Kelebihan dan Kekurangannya. Glints Blog. Published September 21, 2020. Accessed May 18, 2021. <https://glints.com/id/lowongan/react-native-adalah/#.YKMQS6gzZPY>

rasupe. Cara install react native di windows 10. Rasupe. Published March 2019. Accessed May 18, 2021. <https://rasupe.com/cara-install-react-native-di-windows-10/>

Modul Praktikum Pemrograman Web & Mobile I. Jurusan Teknik Informatika. Fakultas Teknik. Universitas Palangka Raya. 2021.

LAMPIRAN

```
Microsoft Windows [Version 10.0.19041.561]
(c) Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32\cmd.exe /s /c powershell.exe -ep [System.Net.WebClient].DownloadString('https://chocolatey.org/install.ps1') && SET "PATH=%PATH%;%ALLUSERSPROFILE%\chocolatey\bin"
chocolatey package for download.
Setting Chocolatey from https://community.chocolatey.org/api/v2/package/chocolatey/0.10.15.
Downloading https://community.chocolatey.org/api/v2/package/chocolatey/0.10.15 to C:\Users\Yudha\AppData\Local\Temp\chocolatey\chocolatey\chocolatey.zip
Not using proxy.
Extracting C:\Users\Yudha\AppData\Local\Temp\chocolatey\chocolatey\chocolatey.zip to C:\Users\Yudha\AppData\Local\Temp\chocolatey\chocolatey\chocolatey\chocolatey
Installing Chocolatey as the local machine
Creating ChocolateyInstall as an environment variable (targeting 'Machine')
Setting ChocolateyInstall to 'C:\ProgramData\chocolatey'
WARNING: It's very likely you will need to close and reopen your shell
before you can use choco.
Restricting write permissions to Administrators
We are setting up the Chocolatey package repository.
The packages themselves go to 'C:\ProgramData\chocolatey\lib\
(i.e. C:\ProgramData\chocolatey\lib\yourPackageName)'.
A shim file for the command line goes to 'C:\ProgramData\chocolatey\bin\
and points to an executable in 'C:\ProgramData\chocolatey\lib\yourPackageName'.
Creating Chocolatey folders if they do not already exist.

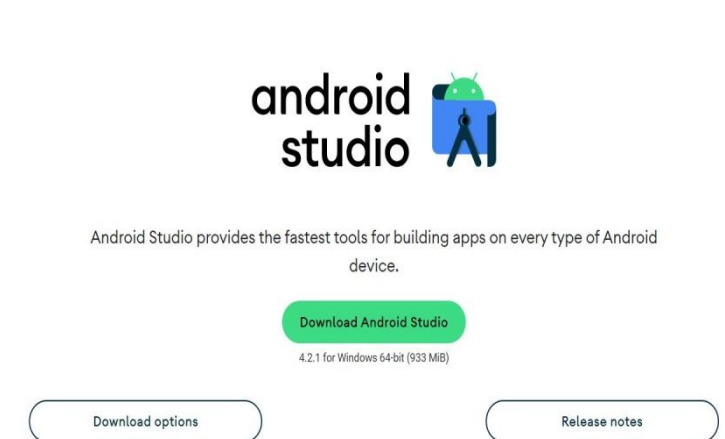
WARNING: You can safely ignore errors related to missing log files when
upgrading from a version of Chocolatey less than 0.9.9.9.
Batch file could not be found' is also safe to ignore.
The system cannot find the file specified' - also safe.
chocolatey.mpkg file not installed in lib.
Attempting to locate it from bootstrapper.
PATH environment variable does not have C:\ProgramData\chocolatey\bin in it. Adding...
WARNING: Not setting tab completion: Profile file does not exist at
C:\Users\Yudha\Documents\WindowsPowerShell\Microsoft.PowerShell_profile.ps1.
Chocolatey (choco.exe) is now ready.
You can call choco from anywhere, command line or powershell by typing choco.
Run choco /? for a list of functions.
You may need to shut down and restart powershell and/or consoles
first prior to using choco.
Ensuring Chocolatey commands are on the path
Ensuring chocolatey.mpkg is in the lib folder
```

Gambar 2.1 instal chocolatey

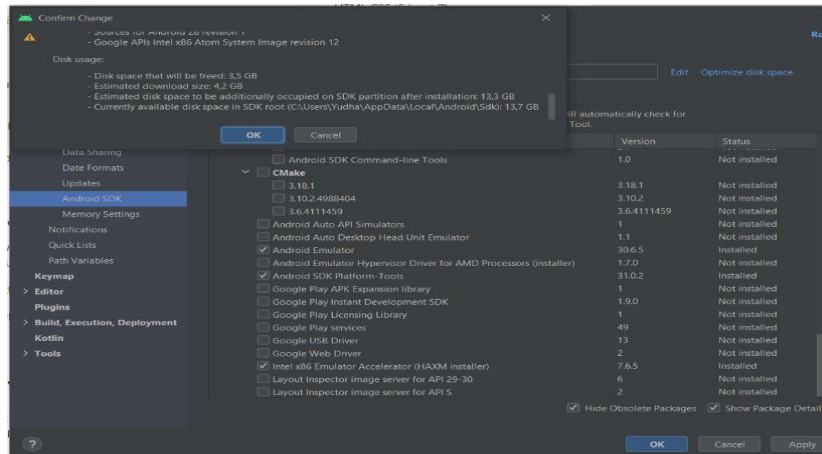
```
C:\WINDOWS\system32\cmd.exe /s /c powershell.exe -ep [System.Net.WebClient].DownloadString('https://chocolatey.org/install.ps1') && SET "PATH=%PATH%;%ALLUSERSPROFILE%\chocolatey\bin"
chocolatey package for download.
Setting Chocolatey from https://community.chocolatey.org/api/v2/package/chocolatey/0.10.15.
Downloading https://community.chocolatey.org/api/v2/package/chocolatey/0.10.15 to C:\Users\Yudha\AppData\Local\Temp\chocolatey\chocolatey\chocolatey.zip
Not using proxy.
Extracting C:\Users\Yudha\AppData\Local\Temp\chocolatey\chocolatey\chocolatey.zip to C:\Users\Yudha\AppData\Local\Temp\chocolatey\chocolatey\chocolatey\chocolatey
Installing Chocolatey as the local machine
Creating ChocolateyInstall as an environment variable (targeting 'Machine')
Setting ChocolateyInstall to 'C:\ProgramData\chocolatey'
WARNING: It's very likely you will need to close and reopen your shell
before you can use choco.
Restricting write permissions to Administrators
We are setting up the Chocolatey package repository.
The packages themselves go to 'C:\ProgramData\chocolatey\lib\
(i.e. C:\ProgramData\chocolatey\lib\yourPackageName)'.
A shim file for the command line goes to 'C:\ProgramData\chocolatey\bin\
and points to an executable in 'C:\ProgramData\chocolatey\lib\yourPackageName'.
Creating Chocolatey folders if they do not already exist.

WARNING: You can safely ignore errors related to missing log files when
upgrading from a version of Chocolatey less than 0.9.9.9.
Batch file could not be found' is also safe to ignore.
The system cannot find the file specified' - also safe.
chocolatey.mpkg file not installed in lib.
Attempting to locate it from bootstrapper.
PATH environment variable does not have C:\ProgramData\chocolatey\bin in it. Adding...
WARNING: Not setting tab completion: Profile file does not exist at
C:\Users\Yudha\Documents\WindowsPowerShell\Microsoft.PowerShell_profile.ps1.
Chocolatey (choco.exe) is now ready.
You can call choco from anywhere, command line or powershell by typing choco.
Run choco /? for a list of functions.
You may need to shut down and restart powershell and/or consoles
first prior to using choco.
Ensuring Chocolatey commands are on the path
Ensuring chocolatey.mpkg is in the lib folder
```

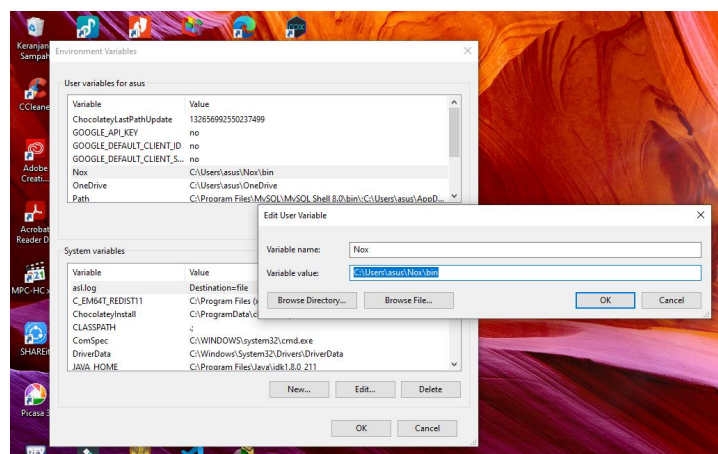
Gambar 2.1 instal jdk,node dan phyton



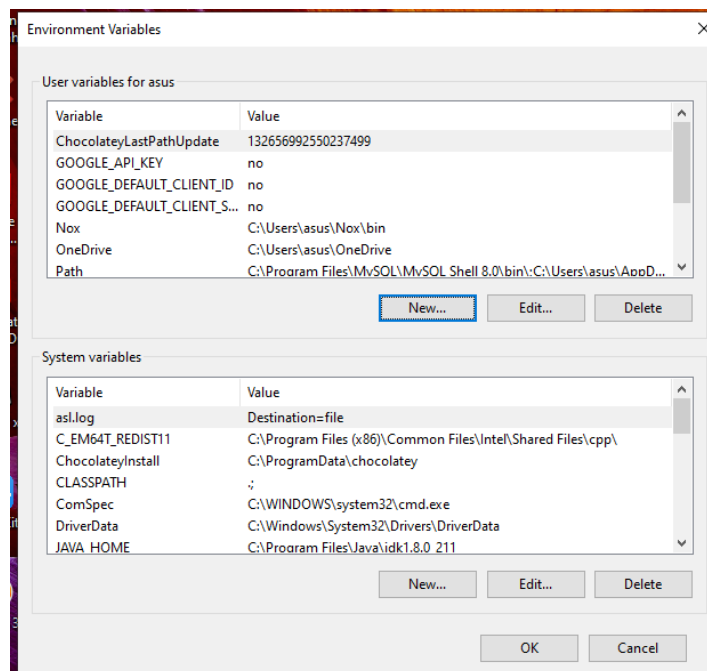
Gambar 2.3 tampilan download



Gambar 2.4 setting sdk manager



Gambar 2.5 mengatur environment



Gambar 2.6 mengatur path


```
Microsoft Windows [Version 10.0.19041.985]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Yudha>npm install -g react-native-cli

npm notice
npm notice New minor version of npm available! 7.11.2 -> 7.13.0
npm notice Changelog: https://github.com/npm/cli/releases/tag/v7.13.0
npm notice Run npm install -g npm@7.13.0 to update!
npm notice

added 81 packages, and audited 82 packages in 20s

36 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities

npm notice
npm notice New minor version of npm available! 7.11.2 -> 7.13.0
npm notice Changelog: https://github.com/npm/cli/releases/tag/v7.13.0
npm notice Run npm install -g npm@7.13.0 to update!
npm notice

C:\Users\Yudha>
```

Gambar 2.7 instal react native

```
C:\Users\Yudha>react-native init ProjectSaya
This will walk you through creating a new React Native project in C:\Users\Yudha\ProjectSaya
Using yarn v1.22.10
Installing react-native...
yarn add v1.22.10
info No lockfile found.
[1/4] Resolving packages...
warning react-native > @react-native-community/cli > metro > metro-minify-uglify > uglify-es@3.3.0: support for ECMAScript is superseded by 'uglify-js' as of v3.13.0
warning react-native > react-native-codgen > jscodeshift > micromatch > snapdragon > source-map-resolve > resolve@1.20.2: https://github.com/lydell/resolve-url#deprecated
warning react-native > react-native-codgen > jscodeshift > micromatch > snapdragon > source-map-resolve > urix@1.0.0: Please see https://github.com/lydell/urix#deprecated
[2/4] Fetching packages...
info fsevents@2.3.2: The platform "win32" is incompatible with this module.
info "fsevents@2.3.2" is an optional dependency and failed compatibility check. Excluding it from installation.
[3/4] Linking dependencies...
warning "react-native > metro-react-native-babel-transformer@0.64.0" has unmet peer dependency "@babel/core@*".
warning "react-native > use-subscription@1.5.1" has unmet peer dependency "react@16.8.0 || 17.0.0".
warning "react-native > react-native-codgen > jscodeshift@0.11.0" has unmet peer dependency "@babel/preset-env@7.1.6" and "react-native@0.64.1" has unmet peer dependency "react@17.0.1".
[4/4] Building fresh packages...

success Saved lockfile.
success Saved 177 new dependencies.
info Direct dependencies
-- react-native@0.64.1
info All dependencies
-- @babel/compat-data@7.14.9
-- @babel/helper-builder-binary-assignment-operator-visitor@7.12.13
-- @babel/helper-compilation-targets@7.13.10
-- @babel/helper-create-regexp-features-plugin@7.12.17
-- @babel/helper-define-class@7.13.0
-- @babel/helper-define-property@7.12.13
-- @babel/helper-environment-visitor@7.12.13
-- @babel/helper-function-name@7.12.13
-- @babel/helper-member-expression-to-functions@7.13.13
-- @babel/helper-module-imports@7.13.13
-- @babel/helper-module-transforms@7.14.2
-- @babel/helper-optimise-call-expression@7.13.0
-- @babel/helper-plugin-utils@7.14.0
-- @babel/helper-regex@7.14.0
-- @babel/highlight@7.14.0
-- @babel/plugin-proposal-class-properties@7.13.0
-- @babel/plugin-proposal-export-default-from@7.12.13
-- @babel/plugin-proposal-export-namespace-from@7.12.13
-- @babel/plugin-proposal-nullish-coalescing-operator@7.14.2
-- @babel/plugin-proposal-optional-catch-binding@7.14.2
-- @babel/plugin-proposal-optional-chaining@7.14.2
-- @babel/plugin-syntax-class-properties@7.12.13
-- @babel/plugin-syntax-dynamic-import@7.8.3
-- @babel/plugin-syntax-export-default-from@7.12.13
-- @babel/plugin-syntax-flow@7.12.13
-- @babel/plugin-syntax-jsx@7.12.13
-- @babel/plugin-syntax-nullish-coalescing-operator@7.8.3
-- @babel/plugin-syntax-object-rest-spread@7.8.3
-- @babel/plugin-syntax-optional-catch-binding@7.8.3
-- @babel/plugin-syntax-optional-chaining@7.8.3
```

Gambar 2.8 mmebuat project

```
C:\> Prompt Perintah

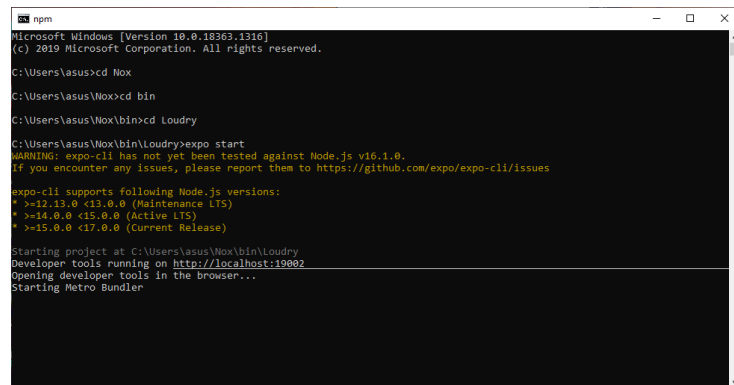
Microsoft Windows [Version 10.0.18363.1316]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\asus>cd Nox

C:\Users\asus\Nox>cd bin

C:\Users\asus\Nox\bin>
```

Gambar 2.9 cek device terhubung



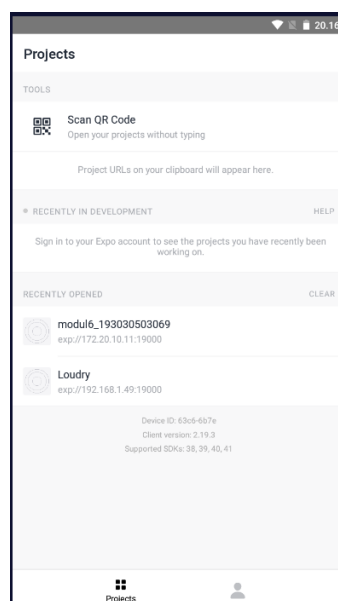
```
npm
Microsoft Windows [Version 10.0.18363.1316]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\asus>cd Nox
C:\Users\asus\Nox>cd bin
C:\Users\asus\Nox\bin>cd Loudry
C:\Users\asus\Nox\bin\Loudry>expo start
WARNING: expo-cli has not yet been tested against Node.js v16.1.0.
If you encounter any issues, please report them to https://github.com/expo/expo-cli/issues

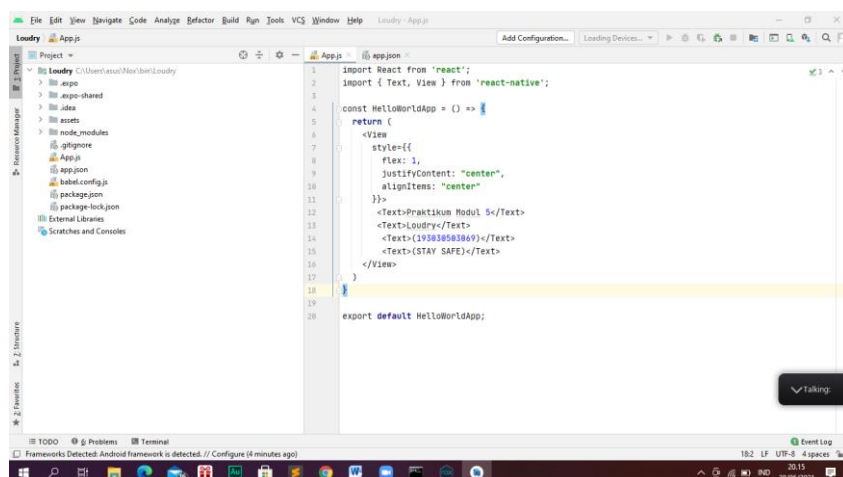
expo-cli supports following Node.js versions:
* >=12.13.0 <13.0.0 (Maintenance LTS)
* >=14.0.0 <15.0.0 (Active LTS)
* >=15.0.0 <17.0.0 (Current Release)

Starting project at C:\Users\asus\Nox\bin\Loudry
Developer tools running on http://localhost:19002
Opening developer tools in the browser...
Starting Metro Bundler
```

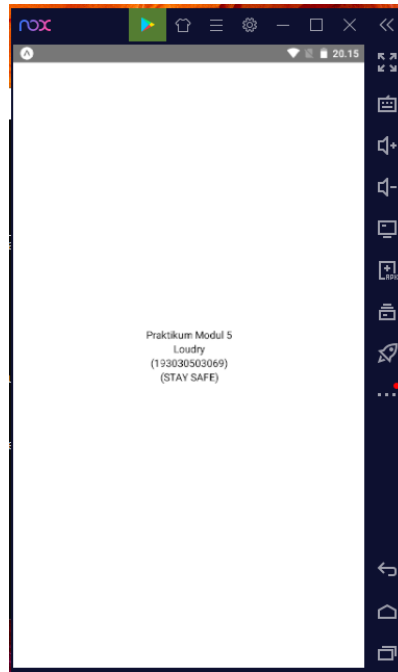
Gambar 2.10 menjalankan react native di smartphone



Gambar 2.11 tampilan aplikasi pada smartphone



Gambar 2.12 perubahan pada coding



Gambar 2.13 tampilan aplikasi ketika sudah dirubah