

**LAPORAN HASIL PRAKTIKUM
PEMROGAMAN WEB & MOBILE I**



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KELAS : A
MODUL : V (React Native)

**JURUSAN TEKNIK INFORMATIKA
FAKULTAS TEKNIK
UNIVERSITAS PALNGKA RAYA
2021**

BAB I

LANDASAN TEORI

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.

2. Install JDK, Node.JS, dan Phytion

Ketikkan perintah dibawah di CMD tadi

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

Tunggu sampai selesai.

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/
```

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.

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”.

6. Install REACT NATIVE CLI

Tutup CMD lalu buka lagi. Lalu ketikkan :

npm install -g react-native-cli

Tunggu sampai selesai.

7. Buat aplikasi pertamamu

ketikkan

```
react-native init ProjectSaya
```

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

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..

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...

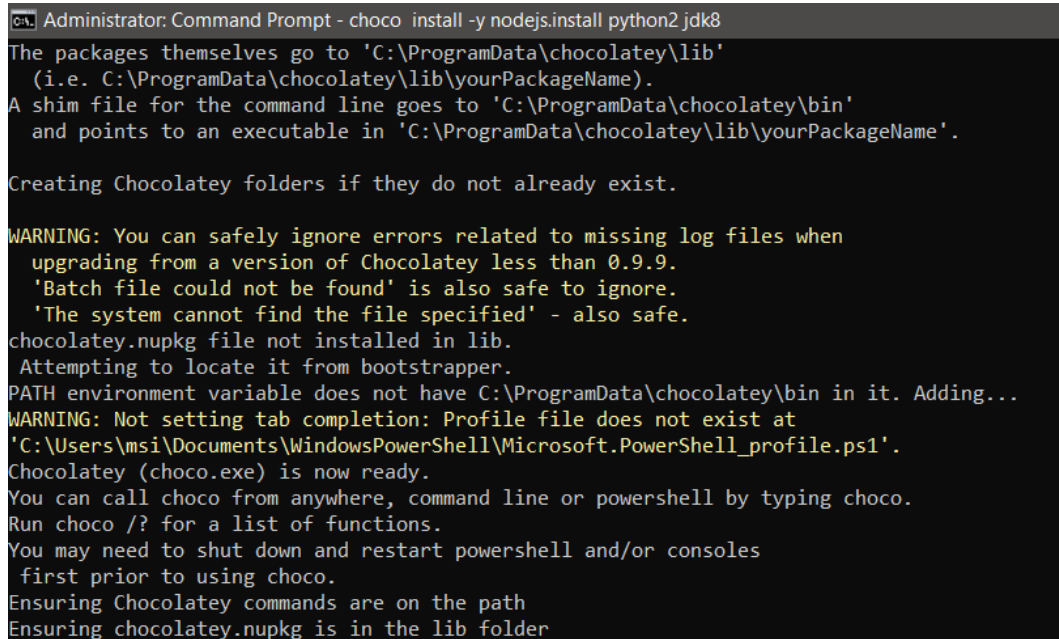
10. Edit codingan App

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

1. Install Chocolatey



```
C:\> Administrator: Command Prompt - choco install -y nodejs.install python2 jdk8
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'.

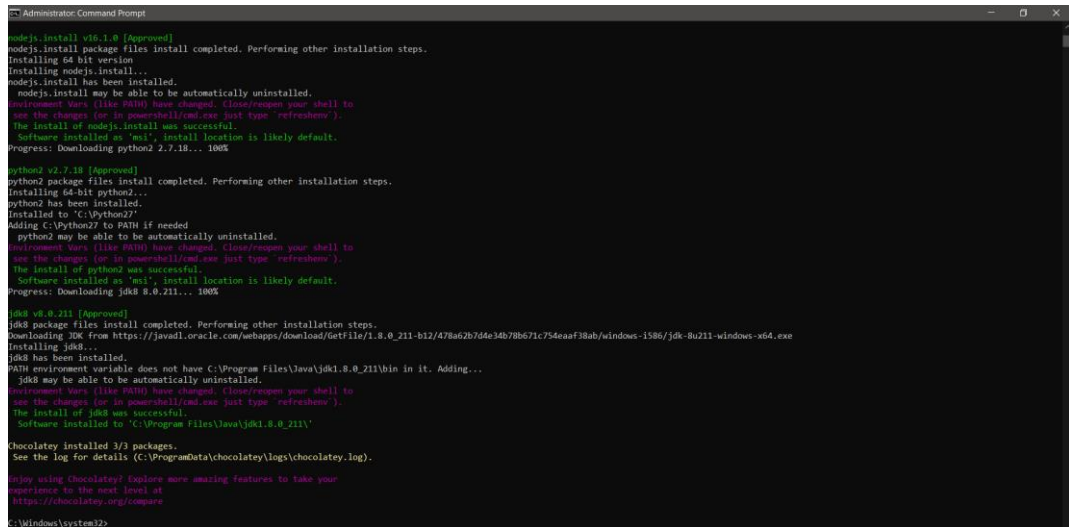
Creating Chocolatey folders if they do not already exist.

WARNING: You can safely ignore errors related to missing log files when
upgrading from a version of Chocolatey less than 0.9.9.
'Batch file could not be found' is also safe to ignore.
'The system cannot find the file specified' - also safe.
chocolatey.nupkg 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\msi\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.nupkg is in the lib folder
```

Gambar 2.1 Install Chocolatey

Pada Gambar di atas adalah Code untuk menginstall chocolatey pada cmd tersebut. Pada Saat ingin menginstallnya adalah Klik search, ketikkan “cmd” jika sudah muncul “Command Prompt” klik kanan lalu “Run As Administrator”. Paket manager Chocolatey, membuat instalasi aplikasi di Windows menjadi sangat-sangat mudah dan nyaman. Terutama buat yang sudah terbiasa menggunakan command-line. Fungsi chocolatey adalah Download dan install aplikasi tanpa ribet cari di internet, Terverifikasi paket aplikasinya, kalau manual ribet harus memastikan ceksum nya terlebih dahulu agar yakin tidak disisipi virus. Itu pun di Windows tidak ada aplikasi bawaan buat ceksum, Update atau upgrade aplikasi dengan mudah Pencarian paket aplikasi.

2. Install JDK, Node.JS, dan Phyton



```
Administrator: Command Prompt

nodejs.install v6.1.0 [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 (or in powershell/cmd.exe just type 'refreshenv').
The install of nodejs.install was successful.
Software installed as 'msi', 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.
Installed 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 (or in powershell/cmd.exe just type 'refreshenv').
The install of python2 was successful.
Software installed as 'msi', 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 JDK from https://java11.oracle.com/webapps/download/GetFile/1.8_0_211-b12/478a62b7d4e34b78b671c754eaf38ab/windows-1586/jdk-8u211-windows-x64.exe
Installing jdk8...
jdk8 has been installed.
PATH environment variable does not have C:\Program Files\Java\jdk1.8.0.211\bin in it. Adding...
jdk8 may be able to be automatically uninstalled.
Environment vars (like PATH) have changed. Close/reopen your shell to
see the changes (or in powershell/cmd.exe just type 'refreshenv').
The install of jdk8 was successful.
Software installed to 'C:\Program Files\Java\jdk1.8.0.211'

Chocolatey installed 3/3 packages.
See the log for details (C:\ProgramData\chocolatey\logs\chocolatey.log).

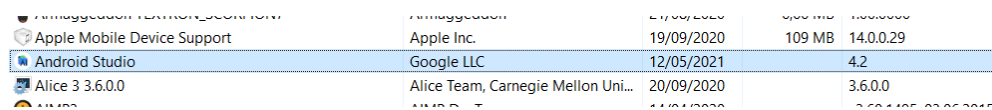
Enjoy using Chocolatey? Explore more amazing features to take your
experience to the next level at
https://chocolatey.org/compare

C:\Windows\System32>
```

Gambar 2.2 Install JDK, Node.JS, dan Pyhton

Pada Gambar diatas adalah konfigurasi untuk menginstall JDK,Node,JS, dan Pyhton menggunakan cmd. Java Development Kit (JDK) merupakan perangkat lunak yang digunakan untuk manajemen dan membangun berbagai aplikasi Java. JDK merupakan superset dari JRE, berisikan segala sesuatu yang ada di JRE ditambahkan compiler dan debugger yang diperlukan untuk mengembangkan applet dan aplikasi.Fungsi JDK adalah berfungsi untuk mendukung mengembangkan aplikasi berbasis java.Node.JS merupakan platform untuk menjalankan kode JavaScript pada sisi server. Ia bertugas untuk mengeksekusi kode JavaScript sebelum halaman website ditampilkan di browser. Dengan demikian, Node.js dapat menjalankan situs, aplikasi web, dan game berbasis browser dengan performa tinggi. Aplikasi yang menggunakan application program interface (API) JavaScript Object Notation (JSON) dan Aplikasi single-page Aplikasi yang melakukan streaming data. Fungsi pada python adalah kumpulan perintah, yang dikelompokkan menjadi satu kesatuan untuk keperluan tertentu. Dia bisa menerima parameter, bisa mengembalikan suatu nilai, dan bisa dipanggil berkali-kali secara independen.

3. Install Android Studio

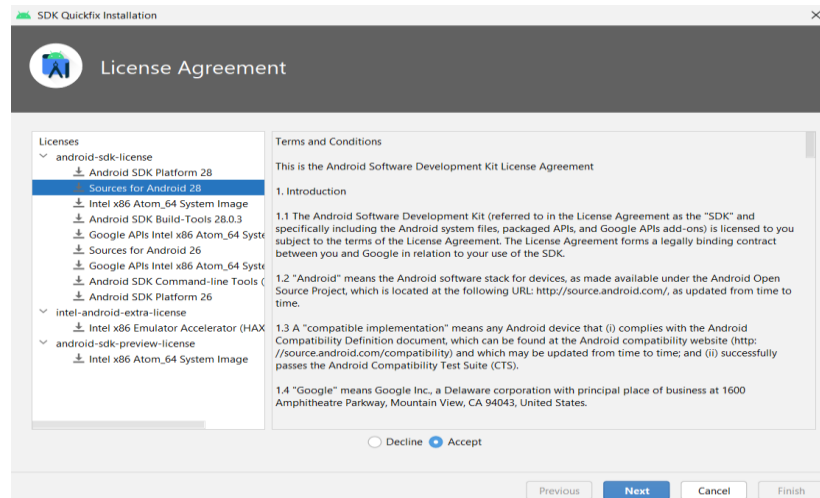


Apple Mobile Device Support	Apple Inc.	19/09/2020	109 MB	14.0.0.29
Android Studio	Google LLC	12/05/2021	4.2	
Alice 3 3.6.0.0	Alice Team, Carnegie Mellon Uni...	20/09/2020	3.6.0.0	

Gambar 2.3 Install Android Studio

Pada Gambar diatas adalah Hasil dari download Android Studio. Install Android SDK. Android Studio adalah Integrated Development Environment (IDE) resmi untuk pengembangan aplikasi Android, yang didasarkan pada IntelliJ IDEA . Selain sebagai editor kode dan fitur developer IntelliJ yang andal, Android Studio menawarkan banyak fitur yang meningkatkan produktivitas dalam membuat aplikasi Android. Fungsi Android Studio adalah Sistem build berbasis Gradle yang fleksibel, Emulator yang cepat dan kaya fitur, Lingkungan terpadu tempat Anda bisa mengembangkan aplikasi untuk semua perangkat Android, Terapkan Perubahan untuk melakukan push pada perubahan kode dan resource ke aplikasi yang sedang berjalan tanpa memulai ulang aplikasi, Template kode dan integrasi GitHub untuk membantu Anda membuat fitur aplikasi umum dan mengimpor kode sampel Framework dan alat pengujian yang lengkap, Alat lint untuk merekam performa, kegunaan, kompatibilitas versi, dan masalah lainnya, Dukungan C++ dan NDK, Dukungan bawaan untuk Google Cloud Platform, yang memudahkan integrasi Google Cloud Messaging dan App Engine.

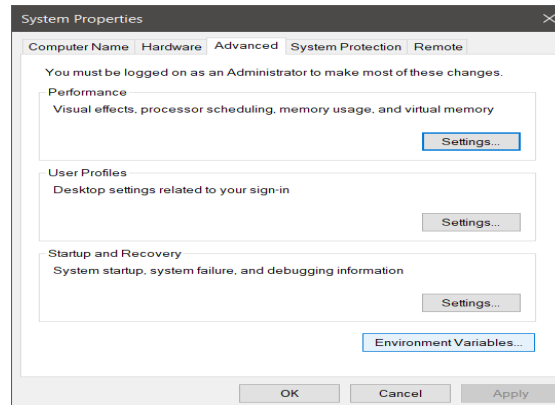
4. Install Android SDK



Gambar 2.4 Install Android SDK

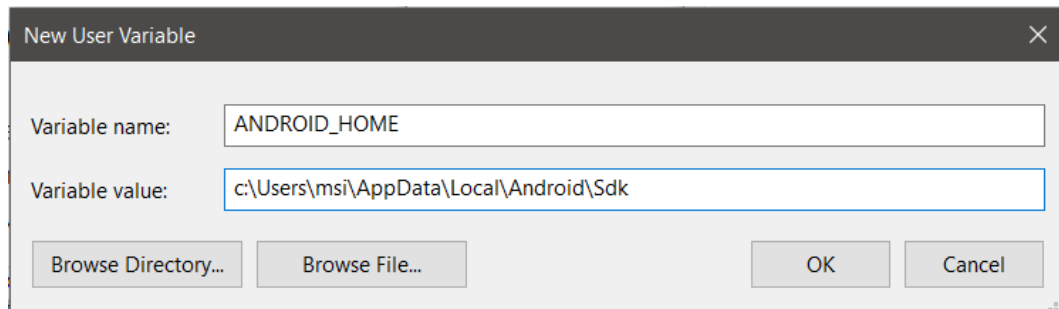
Pada Gambar diatas adalah hasil dari “Welcome to Android Studio” klik Menu Configure lalu pilih “SDK Manager”.Pilih Tab “SDK Platforms” pada SDK Manager, kemudian cek pada list Android 9.0 (Pie) dan Android 8.0 (Oreo).Kemudian cek “Show Package Details” yang ada di kanan bawah.Pastikan cek.Android SDK 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. Android Software Development Kit (SDK) merupakan kit yang bisa digunakan oleh para developer untuk mengembangkan aplikasi berbasis Android.

5. Setup PATH environment variable



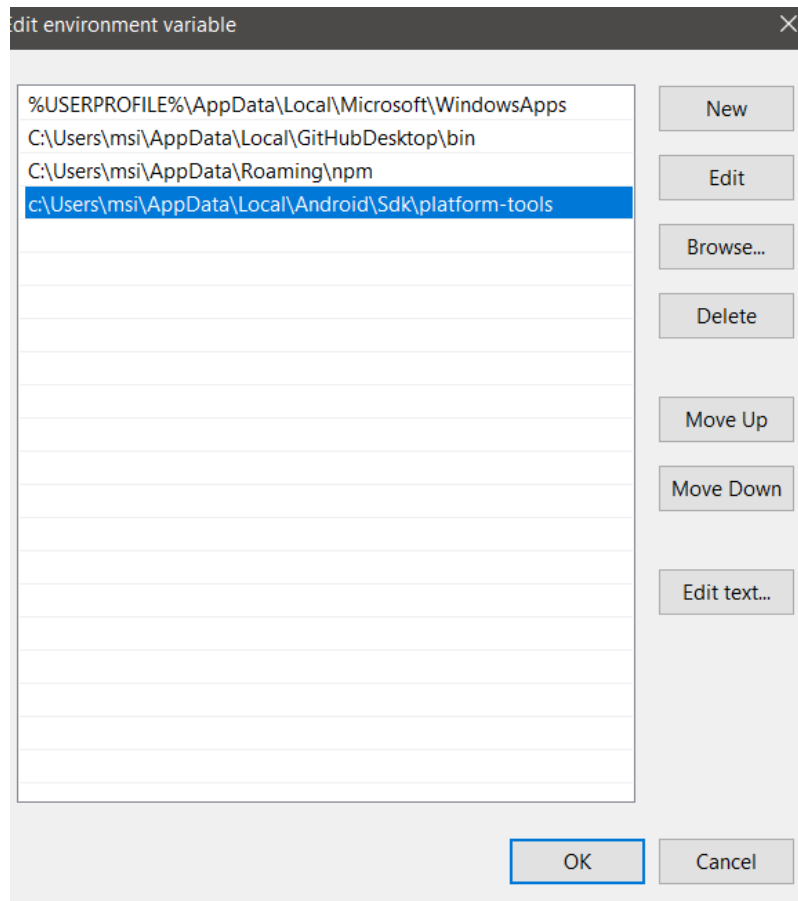
Gambar 2.5 Setup PATH environment variable

Pada Gambar diatas untuk menuju Path adalah 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.



Gambar 2.6 Setup PATH environment variable

Pada Gambar diatas adalah Java home adalah lokasi di mana Sdk diinstall. Secara default Sdk terinstal



Gambar 2.7 Setup PATH environment variable

6. Install REACT NATIVE CLI

```
Administrator: C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.18363.1500]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Windows\system32>npm install -g react-native
npm WARN deprecated urix@0.1.0: Please see https://github.com/lydell/urix#deprecated
npm WARN deprecated resolve-url@0.2.1: https://github.com/lydell/resolve-url#deprecated
npm WARN deprecated uglify-es@3.3.9: support for ECMAScript is superseded by `uglify-js` as of v3.13.0

added 721 packages, and audited 722 packages in 41s

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

found 0 vulnerabilities
```

Gambar 2.8 Install REACT NATIVE CLI

Pada Gambar Di atas Fungsi dari React Native CLI adalah mengcompile kode javascript ke native (ios & android) yang selanjutnya dapat di jalankan di xcode atau android studio.

7. Buat aplikasi pertamamu

```
C:\Users\msi>react-native init ProjectSaya
This will walk you through creating a new React Native project in C:\Users\msi\ProjectSaya
'yarn' is not recognized as an internal or external command,
operable program or batch file.
Installing react-native...
Consider installing yarn to make this faster: https://yarnpkg.com
npm WARN deprecated urix@0.1.0: Please see https://github.com/lydell/urix#deprecated
npm WARN deprecated resolve-url@0.2.1: https://github.com/lydell/resolve-url#deprecated
npm WARN deprecated uglify-es@3.3.3: support for ECMAScript is superseded by 'uglify-js' as of v3.13.0
added 718 packages, and audited 719 packages in 22s
19 packages are looking for funding
  run `npm fund` for details
found 0 vulnerabilities
info Setting up new React Native app in C:\Users\msi\ProjectSaya
(node:9568) Warning: Accessing non-existent property 'pathLevels' of module exports inside circular dependency
(Use `node --trace-warnings ...` to show where the warning was created)
info Adding required dependencies
npm WARN deprecated request-promise-native@1.0.9: request-promise-native has been deprecated because it extends the now deprecated request package, see https://github.com/request/request/issues/3142
npm WARN deprecated har-validator@5.1.3: this library is no longer supported
npm WARN deprecated babel-eslint@10.1.0: babel-eslint is now @babel/eslint-parser. This package will no longer receive updates.
npm WARN deprecated request@2.88.2: request has been deprecated, see https://github.com/request/request/issues/3142
added 458 packages, and audited 1177 packages in 15s
71 packages are looking for funding
  run `npm fund` for details
found 0 vulnerabilities
info Adding required dev dependencies
up to date, audited 1177 packages in 3s
71 packages are looking for funding
  run `npm fund` for details
found 0 vulnerabilities

Run instructions for Android:
  • Have an Android emulator running (quickest way to get started), or a device connected.
  • cd "C:\Users\msi\ProjectSaya" && npm react-native run-android

Run instructions for Windows:
  • See https://aka.ms/ReactNativeGuideWindows for the latest up-to-date instructions.
```

Gambar 2.9 Membuat Aplikasi Pertama

Pada Gambar diatas adalah Hasil dari membuat Aplikasi Pertama/Projek Pertama menggunakan perintah react-native ini ProjectSaya,

8. Setting device/emulator kamu



Gambar 2.10 Setting device/emulator kamu

Pada Gambar diatas adalah Meminta izin untuk menghubungkan ke dalam device tersebut.

```
C:\Windows\system32>adb devices
List of devices attached
3b47ccb07d14    device

C:\Windows\system32>
```

Gambar 2.11 Setting device/emulator kamu

Pada Gambar diatas adalah berfungsi untuk mengecek apakah device tersebut sudah terhubung atau tidak kedalam pc tersebut.

9. Menjalankan react native app di HP

```
C:\Users\msi\ProjectSaya>react-native run-android
info Running jetifier to migrate libraries to AndroidX. You can disable it using "--no-jetifier" flag.
(node:18052) Warning: Accessing non-existent property 'padLevels' of module exports inside circular dependency
(Use `node --trace-warnings ...` to show where the warning was created)
Jetifier found 903 file(s) to forward-jetify. Using 12 workers...
info JS server already running.

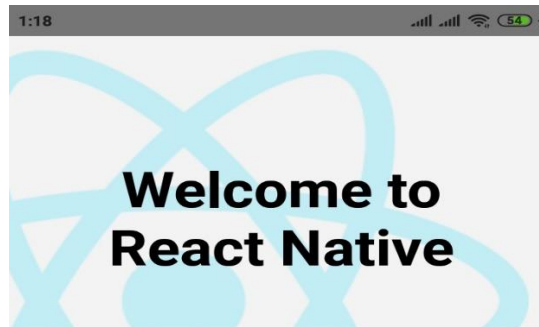
> Task :app:installDebug
Installing APK 'app-debug.apk' on 'Redmi 4X - 7.1.2' for app:debug
Installed on 1 device.

BUILD SUCCESSFUL in 17s
29 actionable tasks: 2 executed, 27 up-to-date
info Connecting to the development server...
info Starting the app on "3b47ccb07d14"...
Starting: Intent { cmp=com.projectsaya/.MainActivity }

C:\Users\msi\ProjectSaya>
```

Gambar 2.12 menghubungkan ke hp

Pada Gambar diatas adalah Program yang berhasil di jalankan melalui kabel data device tersebut.



Step One

Edit **App.js** to change this screen and then come back to see your edits.

See Your Changes

Double tap **R** on your keyboard to reload your app's code.

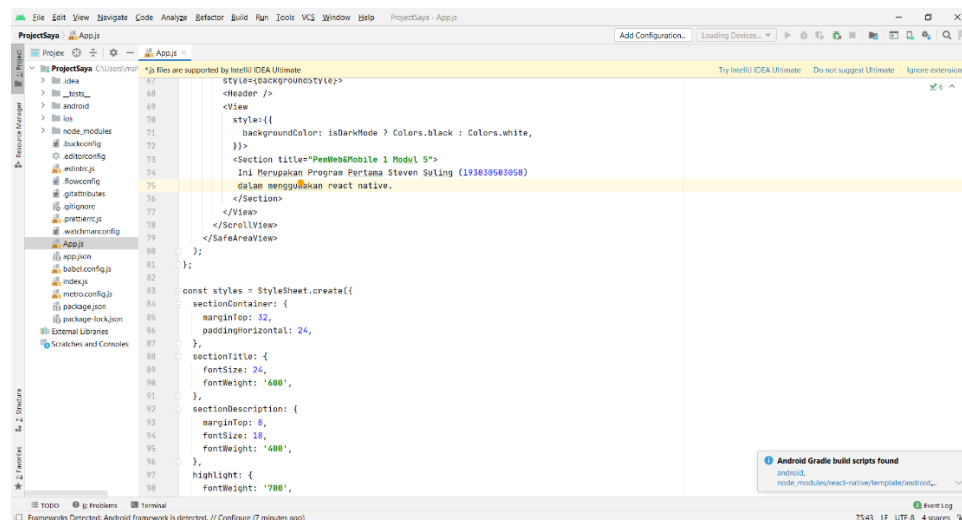
Debug

Press **Cmd or Ctrl + M** or **Shake** your device to open the React Native debug menu.

Gambar 2.13 React Native Hp

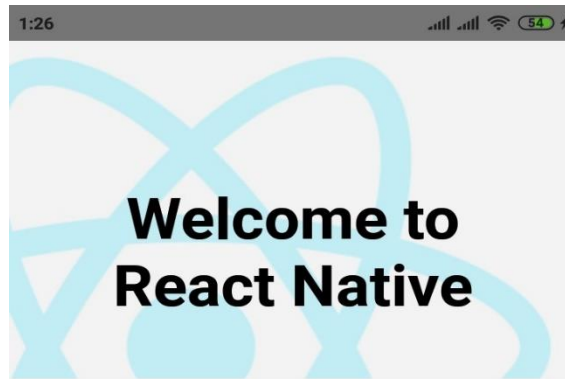
Pada Gambar diatas adalah Tampilan awal saat React Native belum di edit sama sekali pada aplikasi Android Studio

10. Edit codingan App



Gambar 2.14 Edit Coding App Android Studio

Pada Source Code diatas adalah berfungsi untuk mengedit text pada React Native pada hp yang terhubung melalui Kabel data.

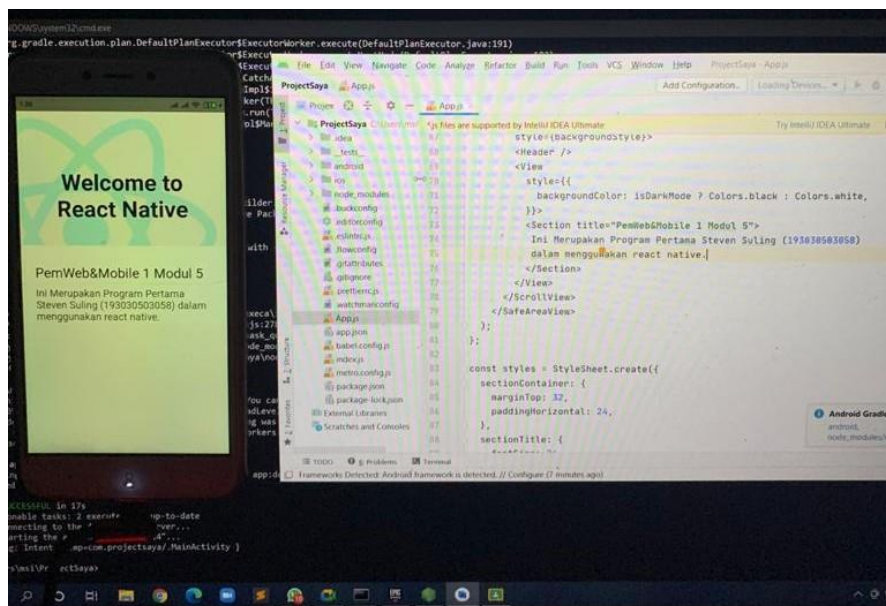


PemWeb&Mobile 1 Modul 5

Ini Merupakan Program Pertama Steven Suling (193030503058) dalam menggunakan react native.

Gambar 2.15 Hasil Program Teredit di Hp

Pada Gambar diatas adalah hasil tampilan yang sudah diedit melalui aplikasi Android Studio.



Gambar 2.16 Hasil Program

Pada Gambar diatas adalah hasil tampilan dari Laptop dan hp yang sudah terhubung melalui kabel data sehingga jika mengedit text pada aplikasi Android Studio, Pada Source Code 74-76 maka secara otomatis akan berubah di dalam hp tersebut.

BAB III

KESIMPULAN

React native merupakan framework yang digunakan untuk membuat mobile app di dua sistem operasi sekaligus, yaitu Android dan iOS. React Native disebut juga dengan cross-platform network karena Anda bisa membuat satu aplikasi yang bisa digunakan di berbagai platform, yaitu Android dan iOS. Kelebihan dari react native ialah digunakan oleh perusahaan – perusahaan besar.

Kelemahan dari React Native ini ialah JavaScript yang Berkembang Sangat Cepat, Framework, Platform, Performance, Hal ini juga menjadi pertimbangan anda dalam menggunakan bahasa pemrograman React Native

DAFTAR PUSTAKA

Muhammad Yusuf. 10 June 2017. Bagian 1 Belajar React Native. <https://www.kodingindonesia.com/tutorial-react-native-bahasa-indonesia/> (Diakses Pada Tanggal 9 Mei 2021 Pukul 21.00 Wib).

rasupe. March 2019. Cara install react native di windows 10.2021. <https://rasupe.com/cara-install-react-native-di-windows-10/> (Diakses Pada Tanggal 9 Mei 2021 Pukul 21.30 Wib).

gjhack13. April 3, 2019. Belajar React Native 1 : Pengenalan dan Install. <https://badoystudio.com/belajar-react-native-i-pengenalan-dan-install-react-native/> (Diakses Pada Tanggal 9 Mei 2021 Pukul 22.00 Wib).

LAMPIRAN

```
C:\> Administrator: Command Prompt - choco install -y nodejs.install python2 jdk8

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.
'Batch file could not be found' is also safe to ignore.
'The system cannot find the file specified' - also safe.
chocolatey.nupkg 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\msi\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.nupkg is in the lib folder
```

Gambar 2.1 Install Chocolaty

```
Administrator: Command Prompt

nodejs.install v16.1.0 [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
use the changes (or in powershell/cmd.exe just type 'refreshenv').
The install of nodejs.install was successful.
Software installed as 'msi', 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.
Installed 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
use the changes (or in powershell/cmd.exe just type 'refreshenv').
The install of python2 was successful.
Software installed as 'msi', 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 JRE from https://javadl.oracle.com/webapps/download/getFile?fileName=1.8.0_211-b12/47ba62b7d4e34b78b671c754aaaf38ab/windows-1586/jdk-8u211-windows-x64.exe
Installing jdk8...
jdk8 has been installed.
PATH environment variable does not have C:\Program Files\Java\jdk1.8.0_211\bin in it. Adding...
jdk8 may be able to be automatically uninstalled.
Environment Vars (like PATH) have changed. Close/reopen your shell to
use the changes (or in powershell/cmd.exe just type 'refreshenv').
The install of jdk8 was successful.
Software installed to 'C:\Program Files\Java\jdk1.8.0_211'

Chocolatey installed 3/3 packages.
See the log for details (C:\ProgramData\chocolatey\logs\chocolatey.log).

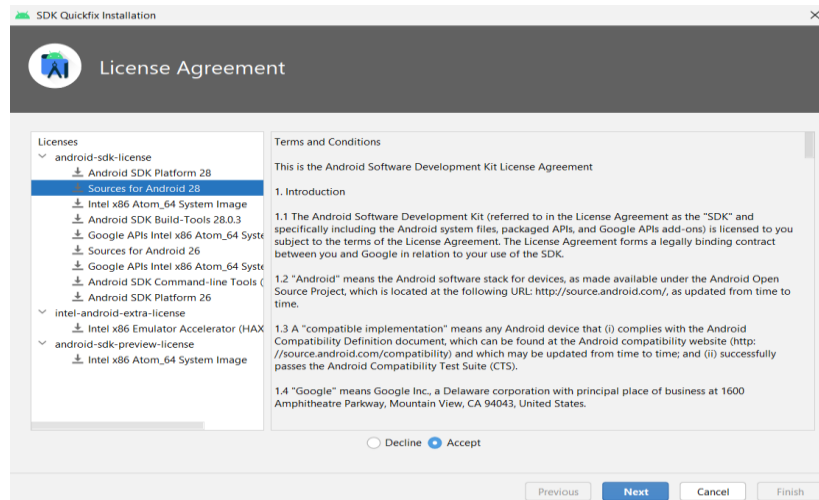
Enjoy using Chocolatey? Explore more amazing features to take your
experience to the next level at
https://chocolatey.org/compare

C:\Windows\system32>
```

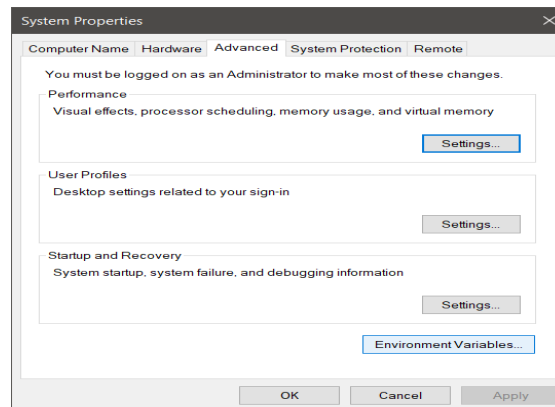
Gambar 2.2 Install JDK, Node.JS, dan Pyhton

Apple Mobile Device Support	Apple Inc.	19/09/2020	109 MB	14.0.0.29
Android Studio	Google LLC	12/05/2021		4.2
Alice 3 3.6.0.0	Alice Team, Carnegie Mellon Uni...	20/09/2020		3.6.0.0

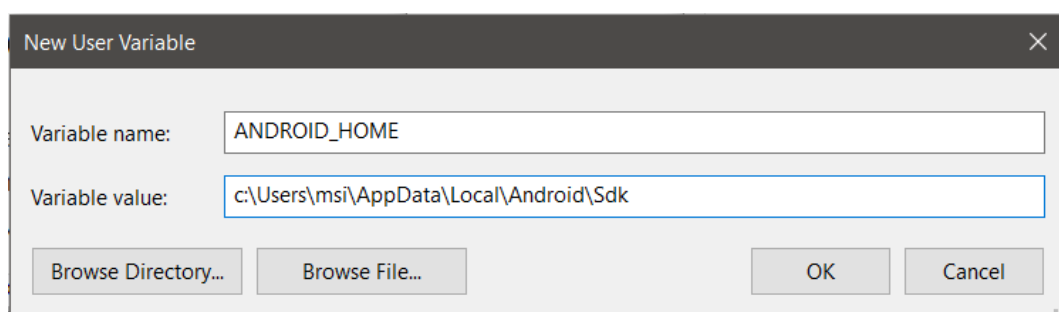
Gambar 2.3 Install Android Studio



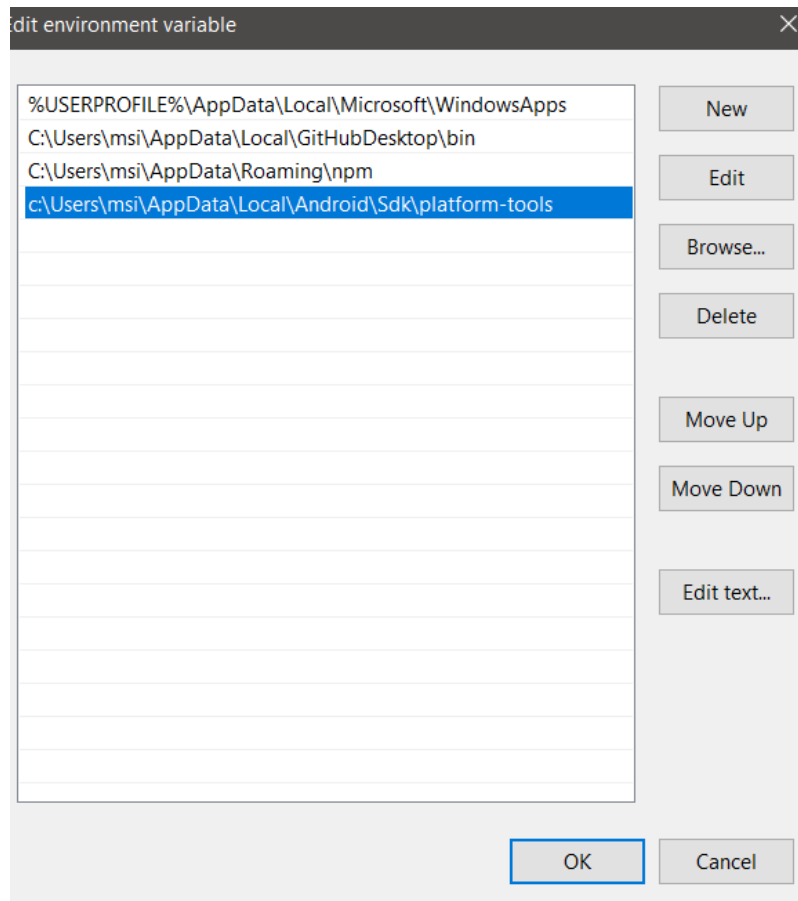
Gambar 2.4 Install Android SDK



Gambar 2.5 Setup PATH environment variable



Gambar 2.6 Setup PATH environment variable



Gambar 2.7 Setup PATH environment variable

```
Administrator: C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.18363.1500]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Windows\system32>npm install -g react-native
npm WARN deprecated urix@0.1.0: Please see https://github.com/lydell/urix#deprecated
npm WARN deprecated resolve-url@0.2.1: https://github.com/lydell/resolve-url#deprecated
npm WARN deprecated uglify-es@3.3.9: support for ECMAScript is superseded by `uglify-js` as of v3.13.0

added 721 packages, and audited 722 packages in 41s

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

found 0 vulnerabilities
```

Gambar 2.8 Install REACT NATIVE CLI

```
C:\Users\yasi>react-native init ProjectSayaa
This will walk you through creating a new React Native project in C:\Users\yasi\ProjectSayaa
'yarn' is not recognized as an internal or external command,
operable program or batch file.
Installing react-native...
Consider installing yarn to make this faster: https://yarnpkg.com
npm WARN deprecated urix@0.1.0: Please see https://github.com/lydell/urix#deprecated
npm WARN deprecated resolve-url@0.2.1: https://github.com/lydell/resolve-url#deprecated
npm WARN deprecated uglify-es@3.3.9: support for ECMAScript is superseded by 'uglify-js' as of v3.13.0
added 718 packages, and audited 719 packages in 22s
19 packages are looking for funding
  run `npm fund` for details
found 0 vulnerabilities
info Setting up new React Native app in C:\Users\yasi\ProjectSayaa
(node:9568) Warning: Accessing non-existent property 'padLevels' of module exports inside circular dependency
(Use 'node --trace-warnings ...' to show where the warning was created)
info Adding required dependencies
npm WARN deprecated request-promise-native@1.0.9: request-promise-native has been deprecated because it extends the now deprecated request package, see https://github.com/request/request/issues/3142
npm WARN deprecated har-validator@5.1.3: this library is no longer supported
npm WARN deprecated babel-eslint@10.1.0: babel-eslint is now @babel/eslint-parser. This package will no longer receive updates.
npm WARN deprecated request@2.88.2: request has been deprecated, see https://github.com/request/request/issues/3142
added 458 packages, and audited 1177 packages in 15s
71 packages are looking for funding
  run `npm fund` for details
found 0 vulnerabilities
info Adding required dev dependencies
up to date, audited 1177 packages in 3s
71 packages are looking for funding
  run `npm fund` for details
found 0 vulnerabilities

Run instructions for Android:
  • Have an Android emulator running (quickest way to get started), or a device connected.
  • cd "C:\Users\yasi\ProjectSayaa" && npx react-native run-android

Run instructions for Windows:
  • See https://aka.ms/ReactNativeGuideWindows for the latest up-to-date instructions.
```

Gambar 2.9 Membuat Aplikasi Pertama



Gambar 2.10 Setting device/emulator kamu

```
C:\Windows\system32>adb devices
List of devices attached
3b47ccb07d14    device

C:\Windows\system32>
```

Gambar 2.11 Setting device/emulator kamu

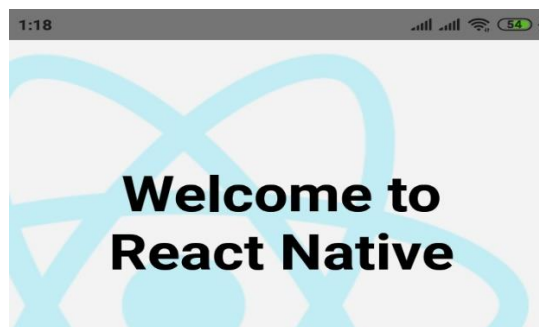
```
C:\Users\msi\ProjectSaya>react-native run-android
info Running jetifier to migrate libraries to AndroidX. You can disable it using "--no-jetifier" flag.
(node:18052) Warning: Accessing non-existent property 'padLevels' of module exports inside circular dependency
(Use `node --trace-warnings ...` to show where the warning was created)
Jetifier found 903 file(s) to forward-jetify. Using 12 workers...
info JS server already running.

> Task :app:installDebug
Installing APK 'app-debug.apk' on 'Redmi 4X - 7.1.2' for app:debug
Installed on 1 device.

BUILD SUCCESSFUL in 17s
29 actionable tasks: 2 executed, 27 up-to-date
info Connecting to the development server...
info Starting the app on "3b47ccb07d14"...
Starting: Intent { cmp=com.projectsaya/.MainActivity }

C:\Users\msi\ProjectSaya>
```

Gambar 2.12 menghubungkan ke hp



Step One

Edit **App.js** to change this screen and then come back to see your edits.

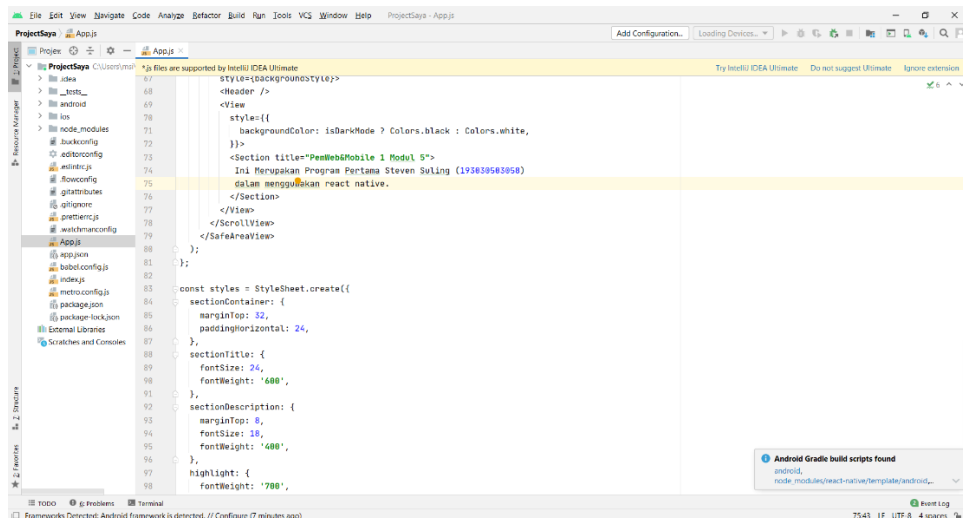
See Your Changes

Double tap **R** on your keyboard to reload your app's code.

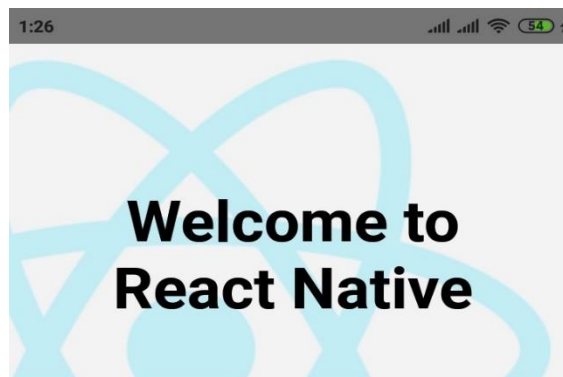
Debug

Press **Cmd or Ctrl + M** or **Shake** your device to open the React Native debug menu.

Gambar 2.13 React Native Hp



Gambar 2.14 Edit Coding App Android Studio



PemWeb&Mobile 1 Modul 5

Ini Merupakan Program Pertama Steven Suling (193030503058) dalam menggunakan react native.

Gambar 2.15 Hasil Program Teredit di Hp

