

**LAPORAN JOBSHEET 1**  
"Instalasi dan React.Js Dasar"  
**PEMROGRAMAN SISTEM BERGERAK**

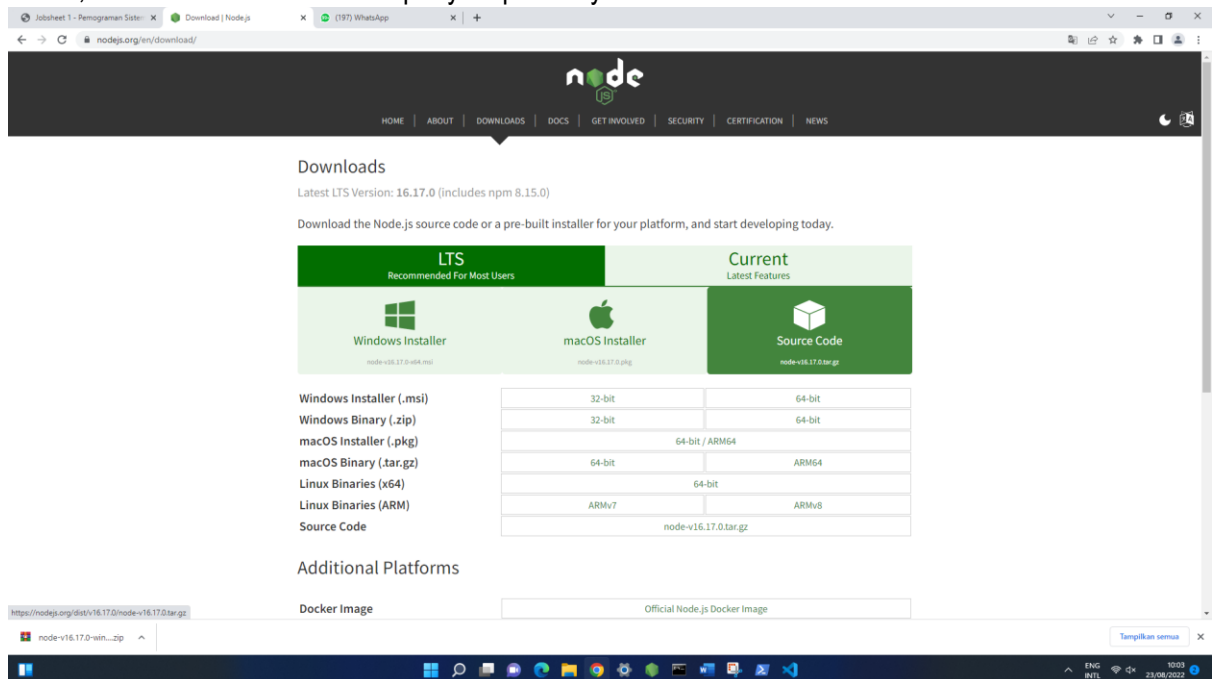


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**20076012**

**Dosen Pengampu:**  
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**PENDIDIKAN TEKNIK INFORMATIKA**  
**TEKNIK ELEKTRONIKA**  
**UNIVERSITAS NEGERI PADANG**  
**2022**

1. Sebelum kita memulai membuat coding tentang biodata diri dengan aplikasi node js dan visual studio, terlebih dahulu harus mempunyai aplikasinya.



2. Setelah kedua aplikasi sudah ada di computer maka baru bisa mengerjakannya sesuai dengan Langkah yang ada d jobsheet.
3. Untuk memulainya buka Terminal CMD lalu ketikan "npm install --global yarn"

```
C:\ Windows PowerShell
Microsoft Windows [Version 10.0.22000.856]
(c) Microsoft Corporation. All rights reserved.

C:\Users\HP>npm install --global yarn

added 1 package, and audited 2 packages in 3s

found 0 vulnerabilities
npm notice
npm notice New minor version of npm available! 8.15.0 -> 8.18.0
npm notice Changelog: https://github.com/npm/cli/releases/tag/v8.18.0
npm notice Run npm install -g npm@8.18.0 to update!
npm notice
```

4. Buka Terminal CMD lalu ketikan "Npm install -g create-react-app"

```
C:\Users\HP>npm install -g create-react-app
npm WARN deprecated tar@2.2.2: This version of tar is no longer supported, and will not receive security updates. Please upgrade asap.

added 67 packages, and audited 68 packages in 22s

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

2 high severity vulnerabilities

Some issues need review, and may require choosing
a different dependency.

Run `npm audit` for details.
```

5. Setelah selesai kita akan menjalankan "create-react-app -v"

```
C:\Users\HP>create-react-app -v
Please specify the project directory:
  create-react-app <project-directory>

For example:
  create-react-app my-react-app

Run create-react-app --help to see all options.
```

6. Selanjutnya untuk membuat project baru gunakan perintah "create-react-app my-appname"

```
C:\Users\HP>create-react-app ps-mutiara

Creating a new React app in C:\Users\HP\ps-mutiara.

Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts with cra-template...

added 1393 packages in 2m

207 packages are looking for funding
  run `npm fund` for details
Git repo not initialized Error: Command failed: git --version
    at checkExecSyncError (node:child_process:841:11)
    at execSync (node:child_process:912:15)
    at tryGitInit (C:\Users\HP\ps-mutiara\node_modules\react-scripts\scripts\init.js:46:5)
    at module.exports (C:\Users\HP\ps-mutiara\node_modules\react-scripts\scripts\init.js:276:7)
    at [eval]:3:14
    at Script.runInThisContext (node:vm:129:12)
    at Object.runInThisContext (node:vm:313:38)
    at node:internal/process/execution:76:19
    at [eval]-wrapper:6:22 {
  status: 1,
  signal: null,
  output: [ null, null, null ],
  pid: 15928,
  stdout: null,
  stderr: null
}

Installing template dependencies using npm...

added 55 packages in 5s

207 packages are looking for funding
  run `npm fund` for details
Removing template package using npm...

removed 1 package, and audited 1448 packages in 2s

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

6 high severity vulnerabilities

To address all issues (including breaking changes), run:
  npm audit fix --force

Run `npm audit` for details.

Success! Created ps-mutiara at C:\Users\HP\ps-mutiara
Inside that directory, you can run several commands:

  npm start

  npm start
    Starts the development server.

  npm run build
    Bundles the app into static files for production.

  npm test
    Starts the test runner.

  npm run eject
    Removes this tool and copies build dependencies, configuration files
    and scripts into the app directory. If you do this, you can't go back!

We suggest that you begin by typing:

  cd ps-mutiara
  npm start

Happy hacking!
```

7. Setelah selesai, kita masuk kedalam folder project yang dibuat sebelumnya "cd namafolder",

```
C:\Users\HP>cd ps-mutiara
C:\Users\HP\ps-mutiara>yarn start
yarn run v1.22.19
$ react-scripts start
(node:18772) [DEP_WEBPACK_DEV_SERVER_ON_AFTER_SETUP_MIDDLEWARE] DeprecationWarning: 'onAfterSetupMiddleware' option is deprecated. Please use the 'setupMiddlewares' option.
(Use 'node --trace-deprecation ...' to show where the warning was created)
(node:18772) [DEP_WEBPACK_DEV_SERVER_ON_BEFORE_SETUP_MIDDLEWARE] DeprecationWarning: 'onBeforeSetupMiddleware' option is deprecated. Please use the 'setupMiddlewares' option.
Starting the development server...
Compiled successfully!

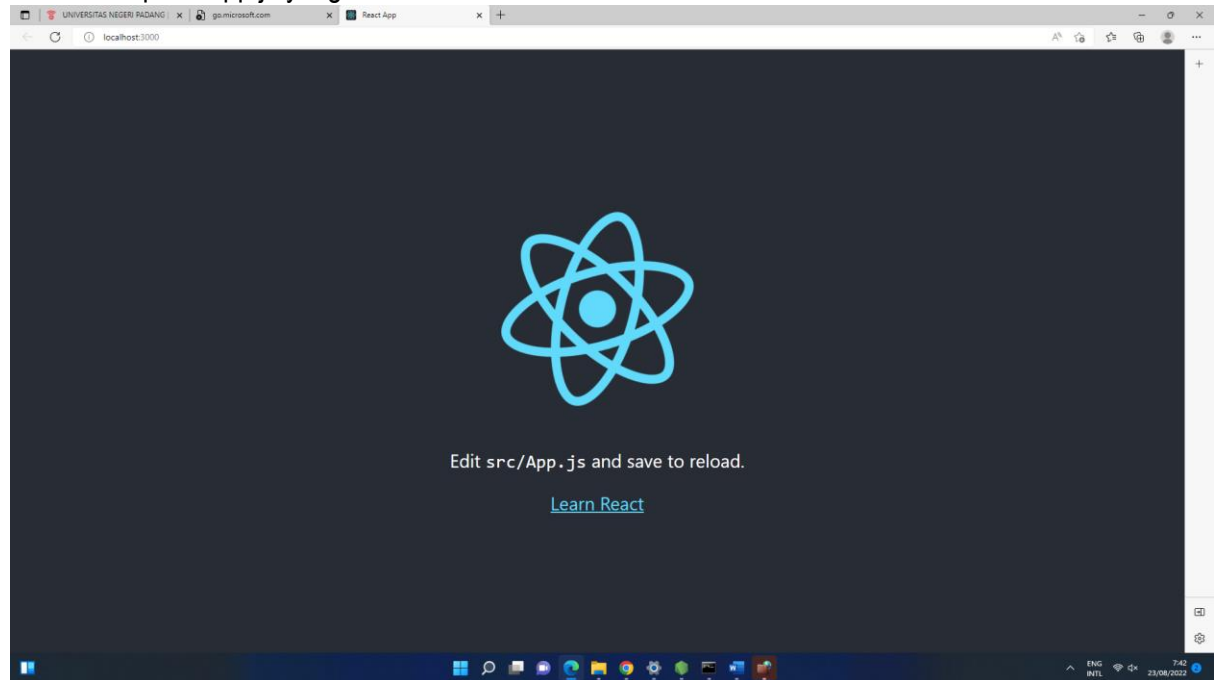
You can now view ps-mutiara in the browser.

  Local:            http://localhost:3000
  On Your Network:  http://192.168.137.83:3000

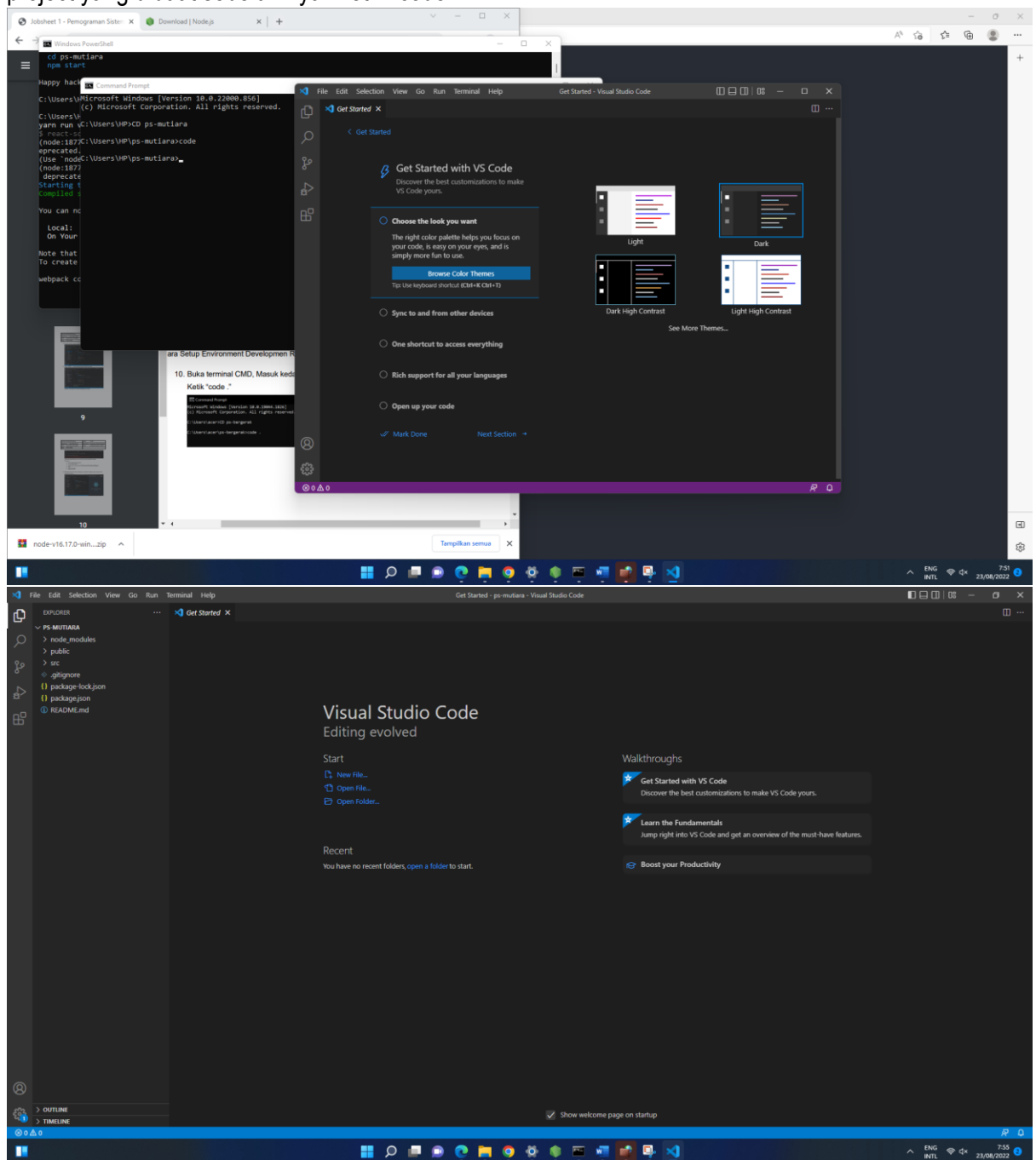
Note that the development build is not optimized.
To create a production build, use npm run build.

webpack compiled successfully
```

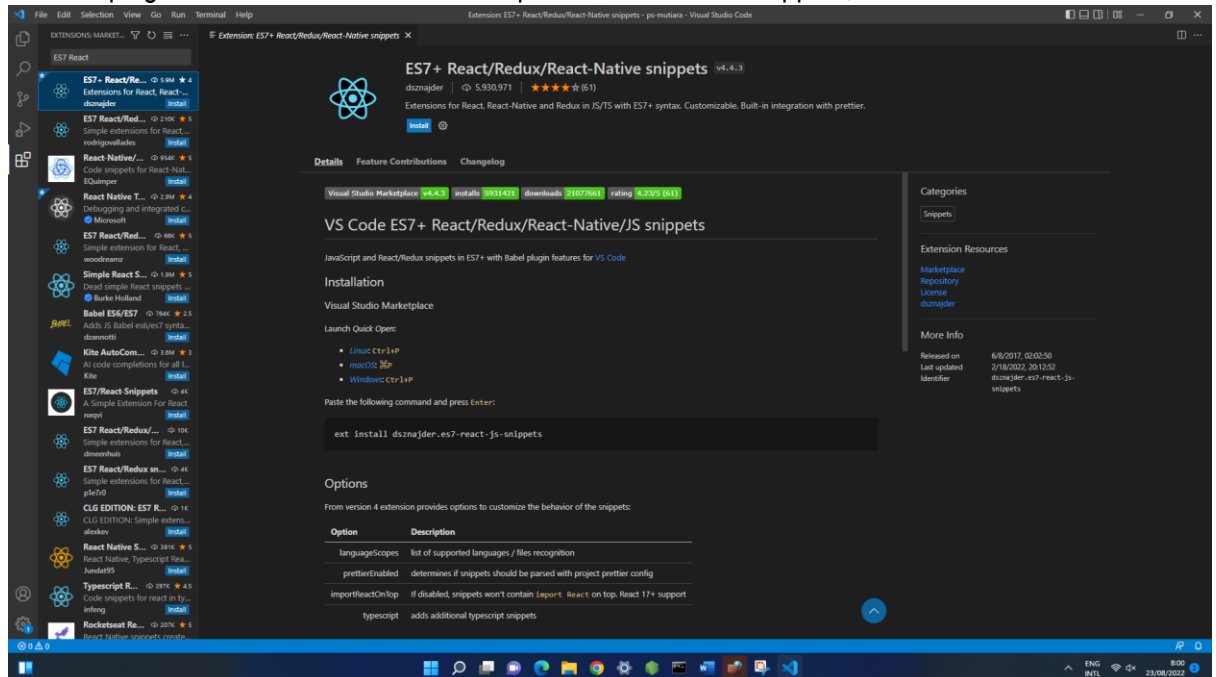
8. Berikut tampilan App.js yang sudah berhasil dibuat



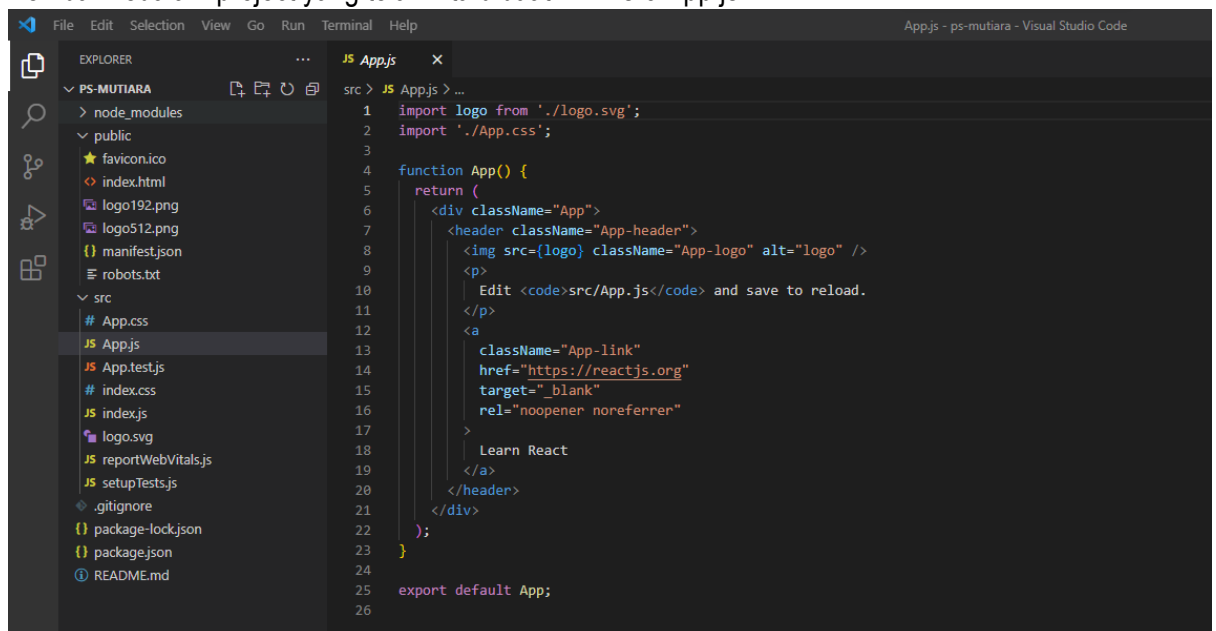
9. Cara Setup Environment Development React-JS 10. Buka terminal CMD, Masuk kedalam project yang dibuat sebelumnya. Ketik "code ."



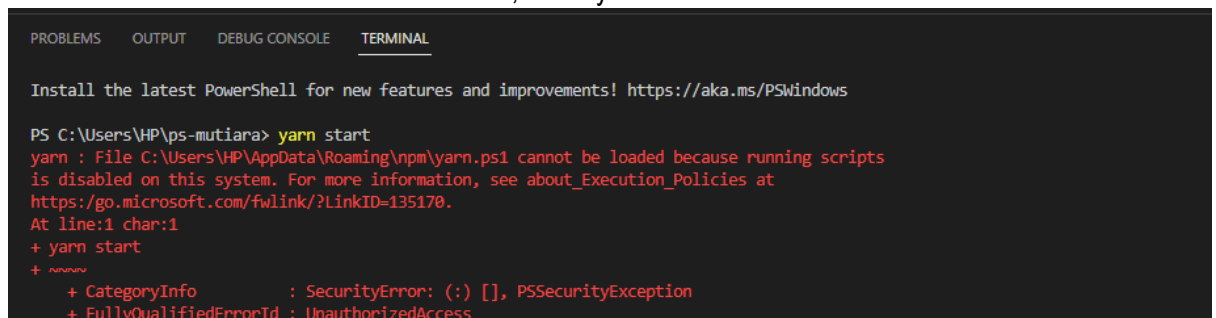
## 10. Pilih tab plugin – cari ES7 React/Redux/GraphQL/React-Native snippets, lalu install



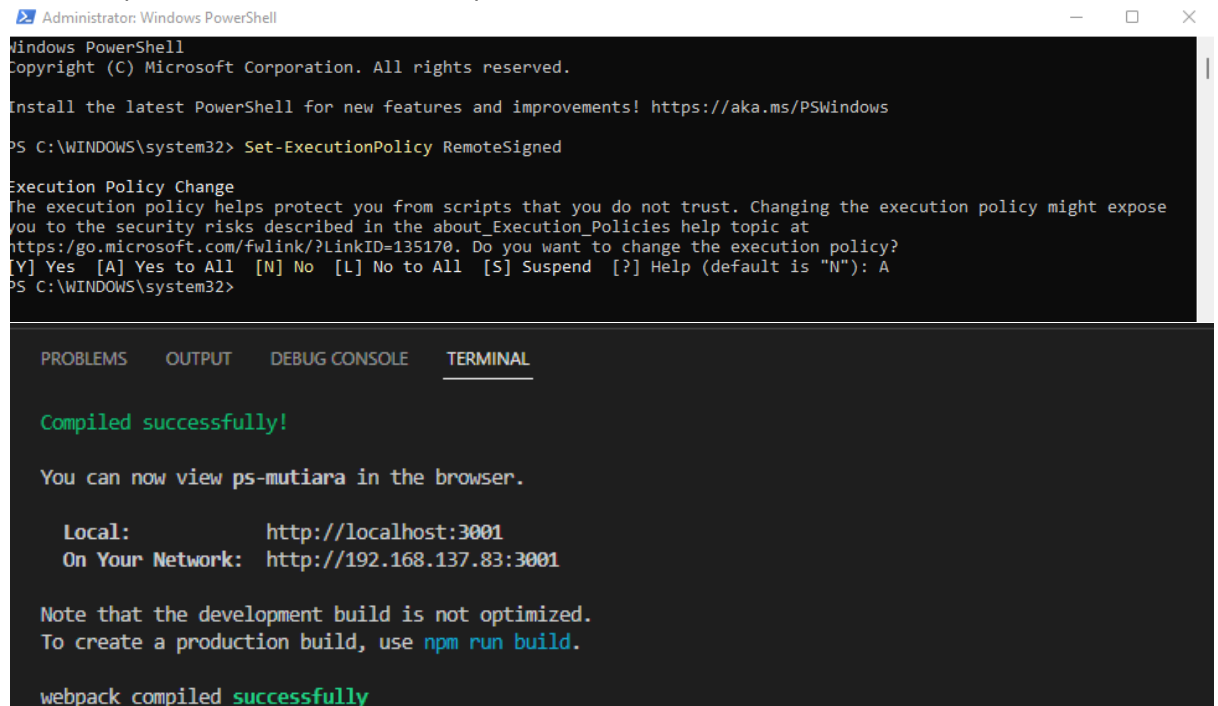
## 11. Kembali kedalam project yang telah kita dibuat. Pilih src-App.js



## 12. Tekan “CTR + ~” masuk kedalam terminal, ketik “yarn start”



Jika terdapat error maka buka windows powershell



```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\WINDOWS\system32> Set-ExecutionPolicy RemoteSigned

Execution Policy Change
The execution policy helps protect you from scripts that you do not trust. Changing the execution policy might expose you to the security risks described in the about_Execution_Policies help topic at https://go.microsoft.com/fwlink/?LinkID=135170. Do you want to change the execution policy?
[Y] Yes [A] Yes to All [N] No [L] No to All [S] Suspend [?] Help (default is "N"): A
PS C:\WINDOWS\system32>

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Compiled successfully!

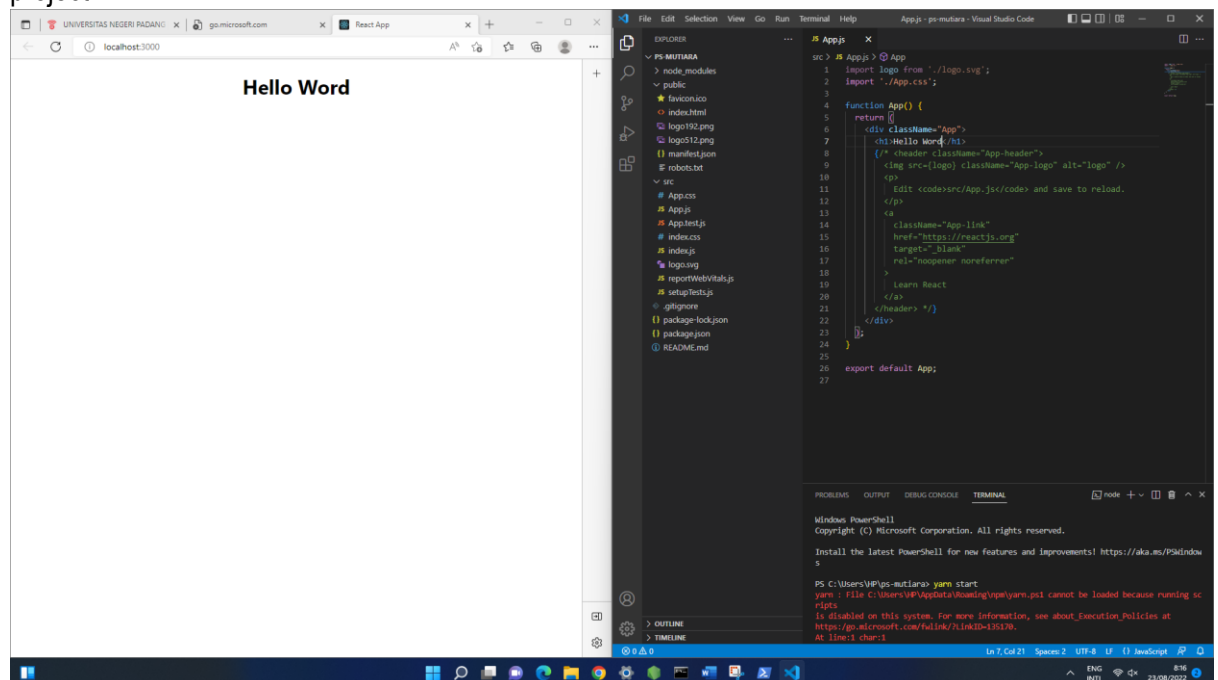
You can now view ps-mutiara in the browser.

Local: http://localhost:3001
On Your Network: http://192.168.137.83:3001

Note that the development build is not optimized.
To create a production build, use npm run build.

webpack compiled successfully
```

13. Setelah berhasil, kita akan membagi layer menjadi dua bagian agar mempermudah pengerjaan project



14. Selanjutnya kita membuat biodata diri kita dan mengatur teks sesuai dengan kita inginkan dengan menggunakan css.

