



Native vs Webview vs Hybrid

Native vs Webview vs Hybrid vs

Hybrid-native

(NativeScript, ReactNative)

Apa

# Mengapa

- React

# Mengapa

- React
- 85% basis kode yang sama untuk 2 platform, penyesuaian minim



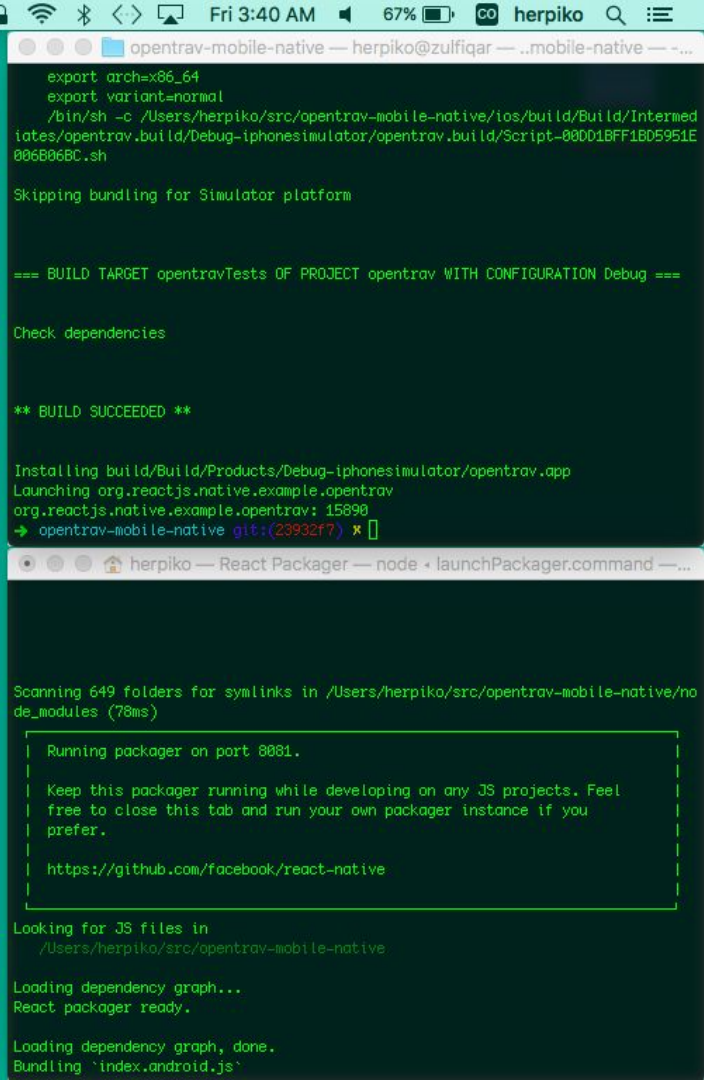
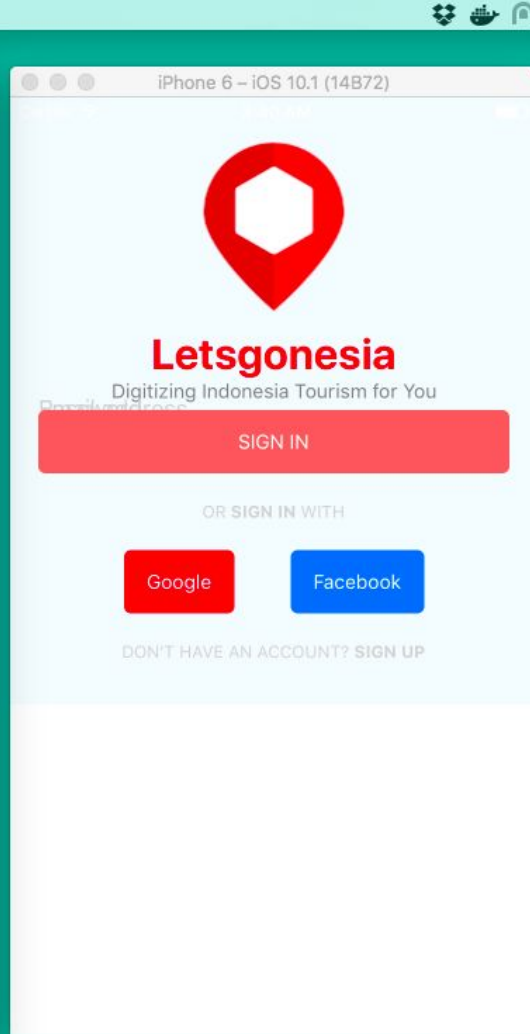
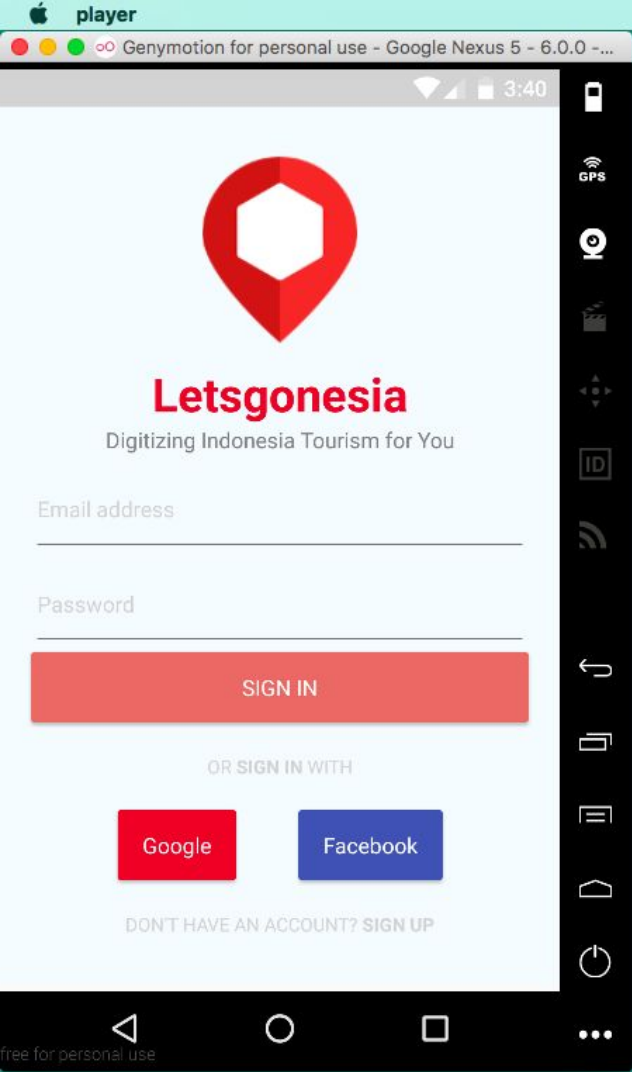
`index.android.js`

`$ react-native run-android`



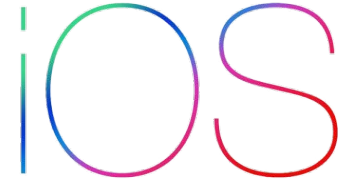
`index.ios.js`

`$ react-native run-ios`





```
if (Platform.OS === 'android') {  
  statusBar = (  
    <StatusBar color="lightgrey">  
      {title}  
    </StatusBar>  
  )  
} else {  
  statusBar = (  
    <StatusBar color="blue">  
      {title}  
    </StatusBar>  
  )  
}
```

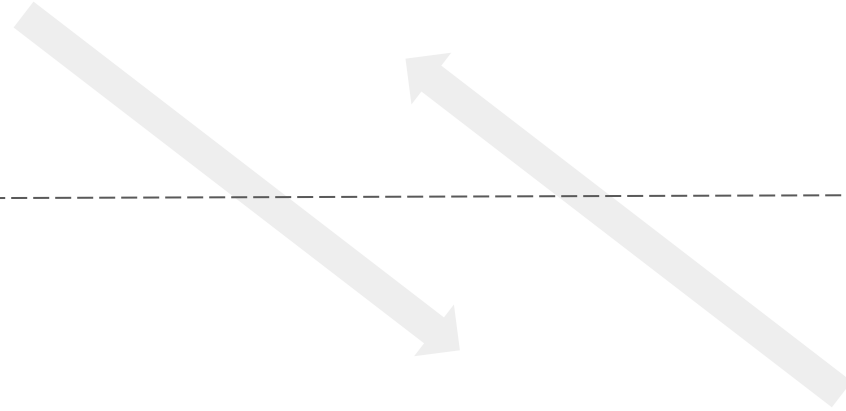


# Mengapa

- React
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- UI native

# Java/C++

Native UI,  
Native API

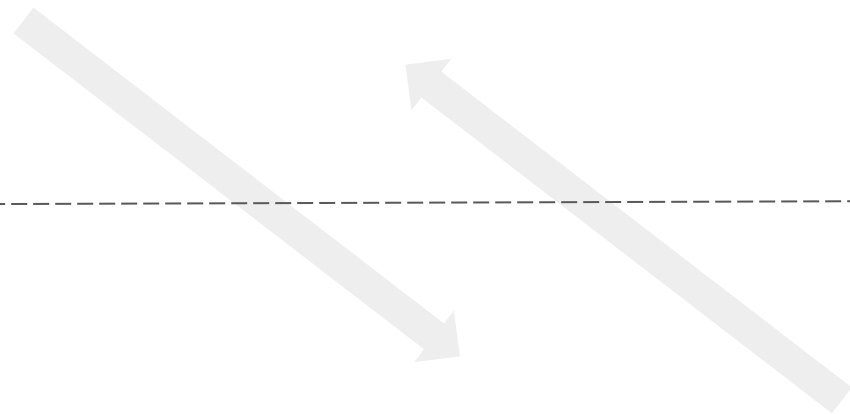


Logic

# JavaScript

# Java/C++

Native UI,  
Native API



Logic

# JavaScript

# Mengapa

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- UI native
- Open source



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A framework for building native apps with React. <http://facebook.github.io/react-native/>

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React

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# Mengapa

- React
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- UI native
- Open source
- Modul komponen tersedia banyak

<https://js.coach/react-native>



# Mengapa

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- Modul komponen tersedia banyak
- Didukung dan dikembangkan oleh Facebook

# Mengapa

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- Modul komponen tersedia banyak
- Didukung dan dikembangkan oleh Facebook
- Dipakai oleh Facebook sendiri, Airbnb, Instagram, dan lainnya



vs NativeScript

Kontra

Performa

# Markicob

Target :

- Minimal terdiri dari 2 activity
- Mengakses API via HTTP
- Bisa dideploy di Android dan iOS

# Persiapan

- Android SDK (Build-tools, Android Platform SDK, Android Support Repository)
- NodeJS 6.x
- Pemahaman dasar ReactJS