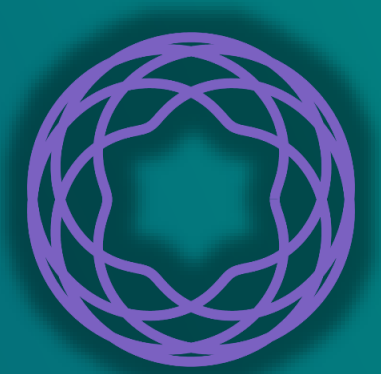
Mobile Development



# React Navigation

## #5 Routing on React Native

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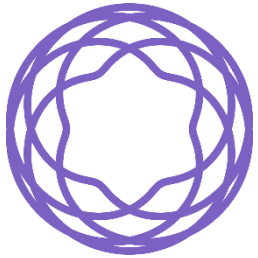

# React Navigation

- ***React Navigation*** was born from the React Native community's need for an extensible yet easy-to-use navigation solution based on Javascript (click *reactnavigation.org*).

- Installation:

```
$ npm install react-navigation --save
```

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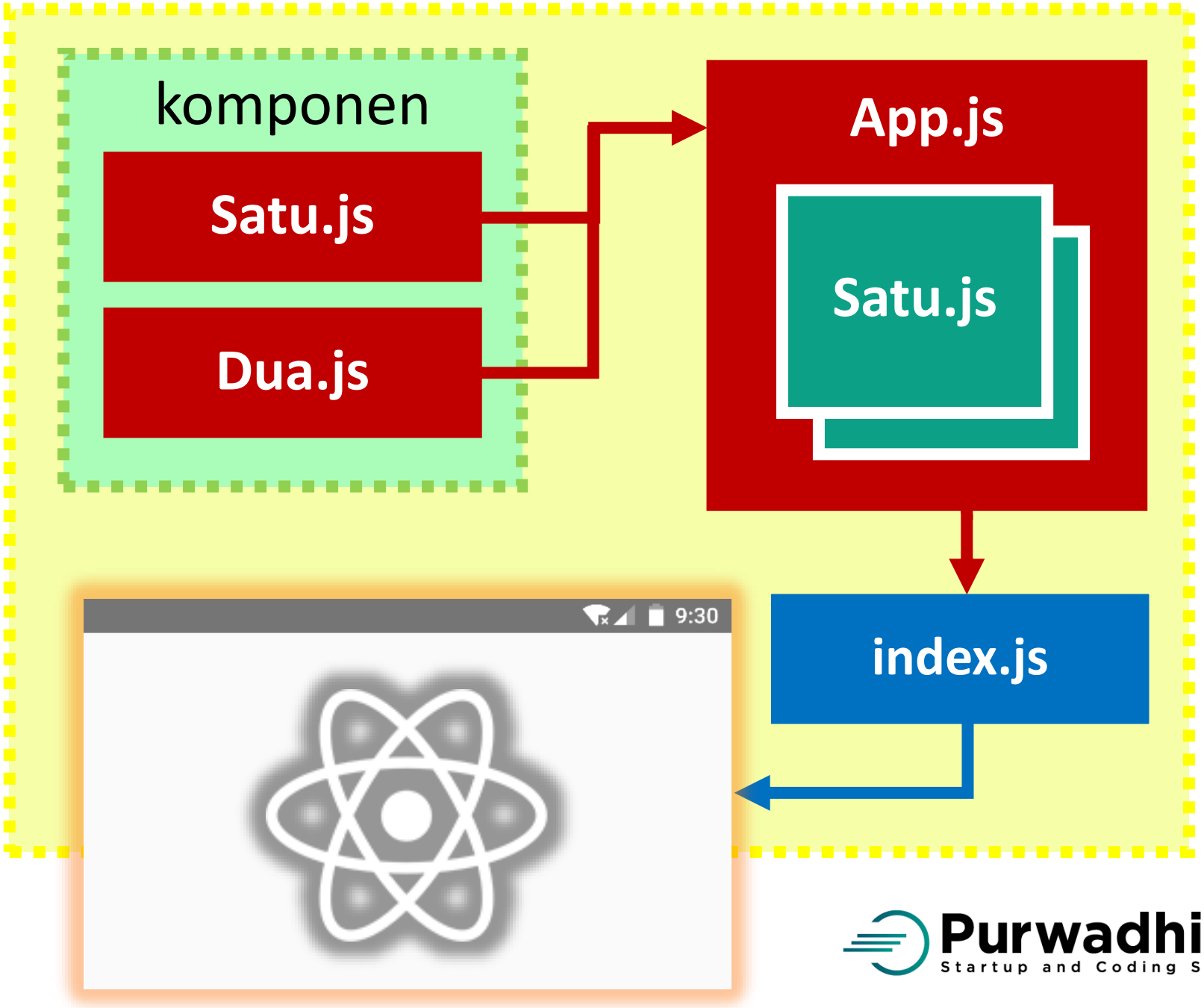


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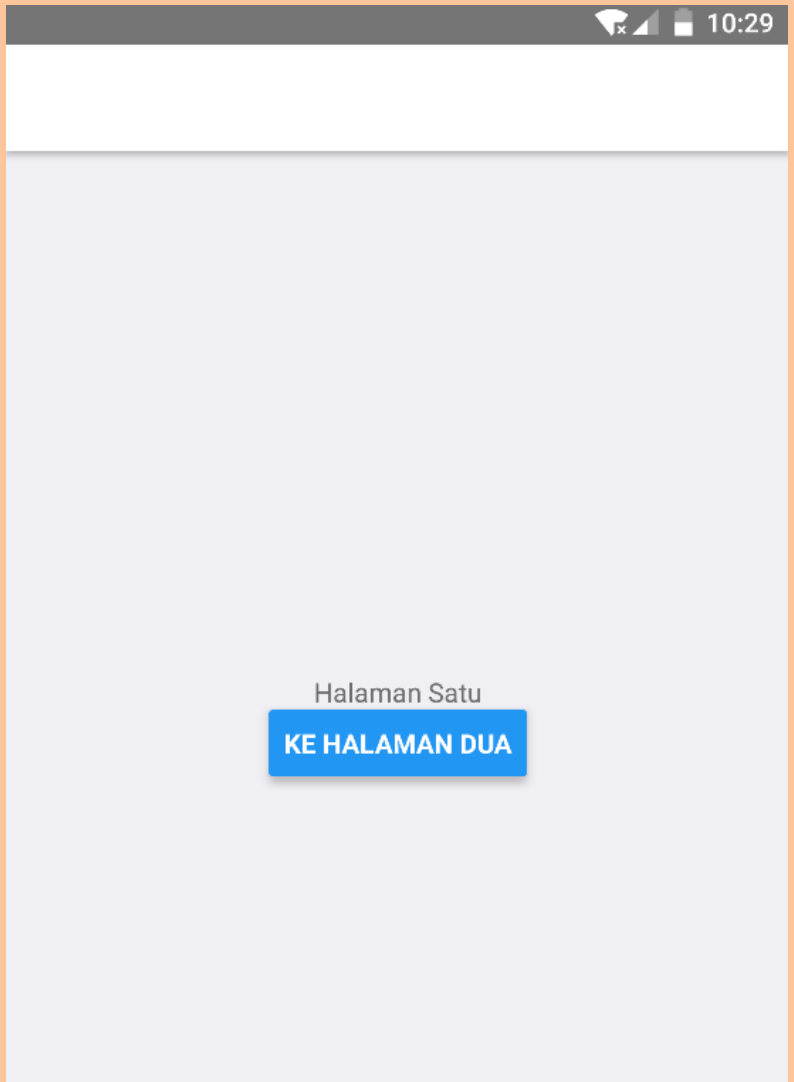
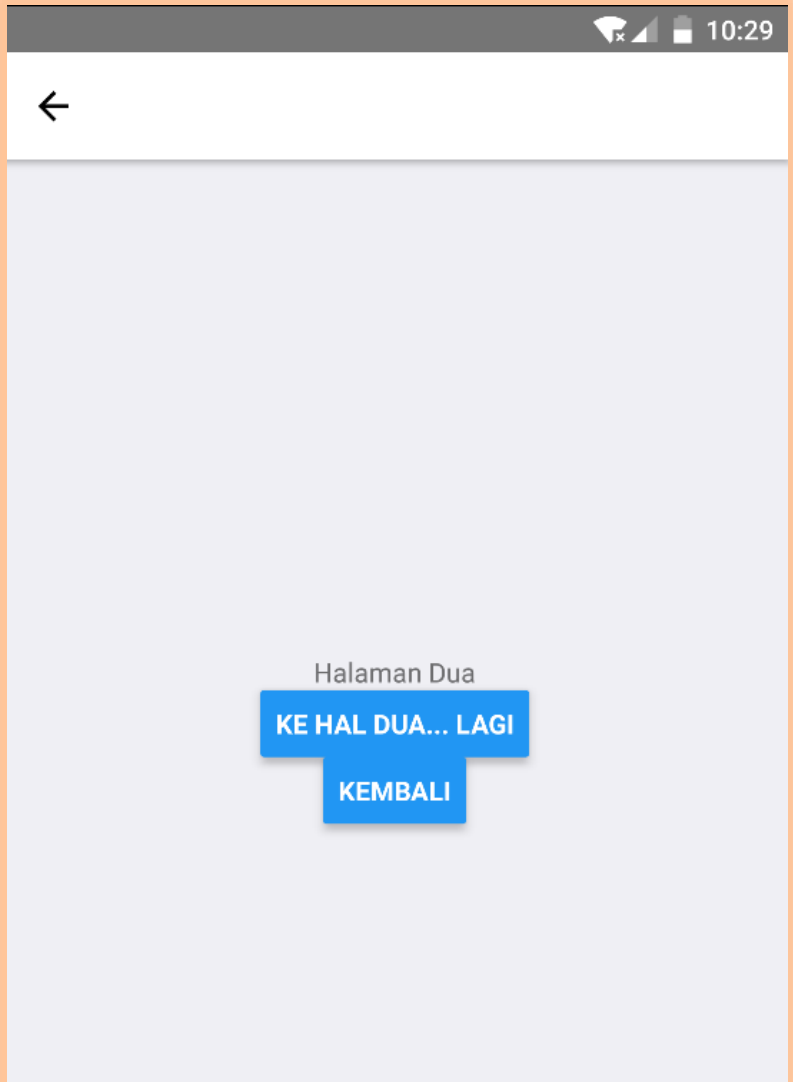
# *#1* Stack Navigator



# komponen/Satu.js

```
import React, { Component } from 'react';
import { Text, View, Button } from 'react-native';

class Satu extends Component {
 render() {
  return (
   <View style={{ flex: 1, alignItems: 'center',
    justifyContent: 'center' }}>

    <Text>Halaman Satu</Text>
    <Button title="Ke Halaman Dua"
     onPress={
     () => this.props.navigation.navigate('HalDua')}
    />

   </View>
);}}

export default Satu;
```

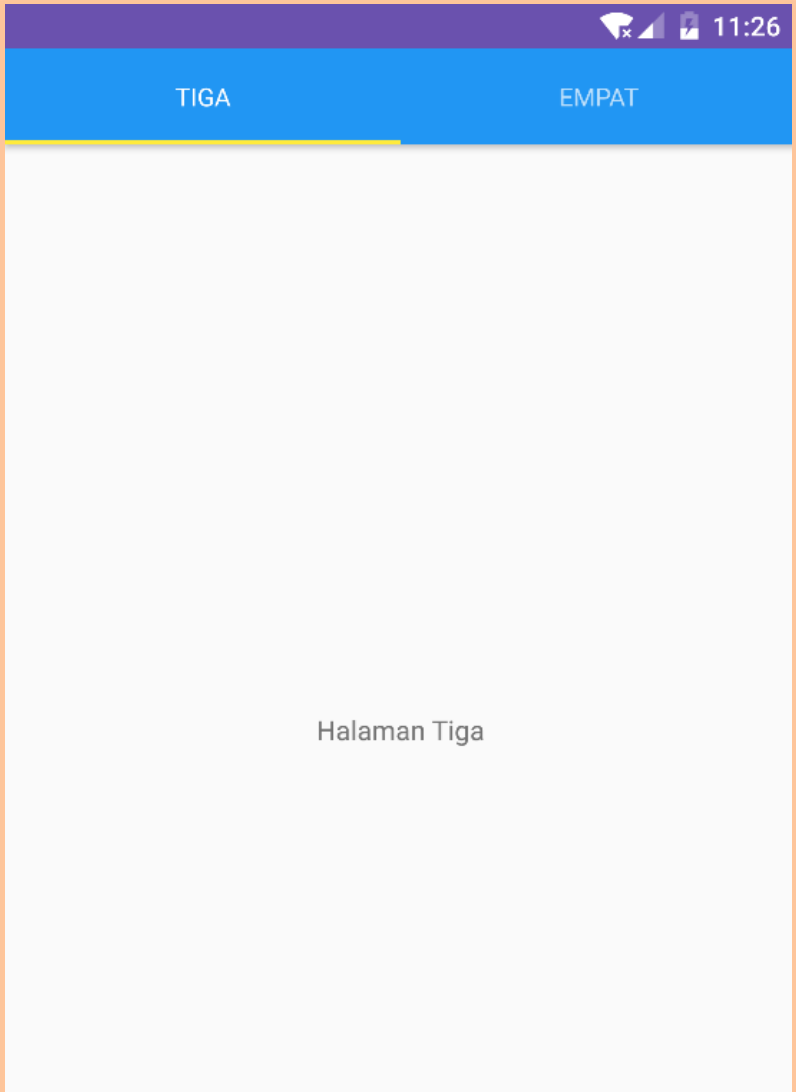
# komponen/Dua.js

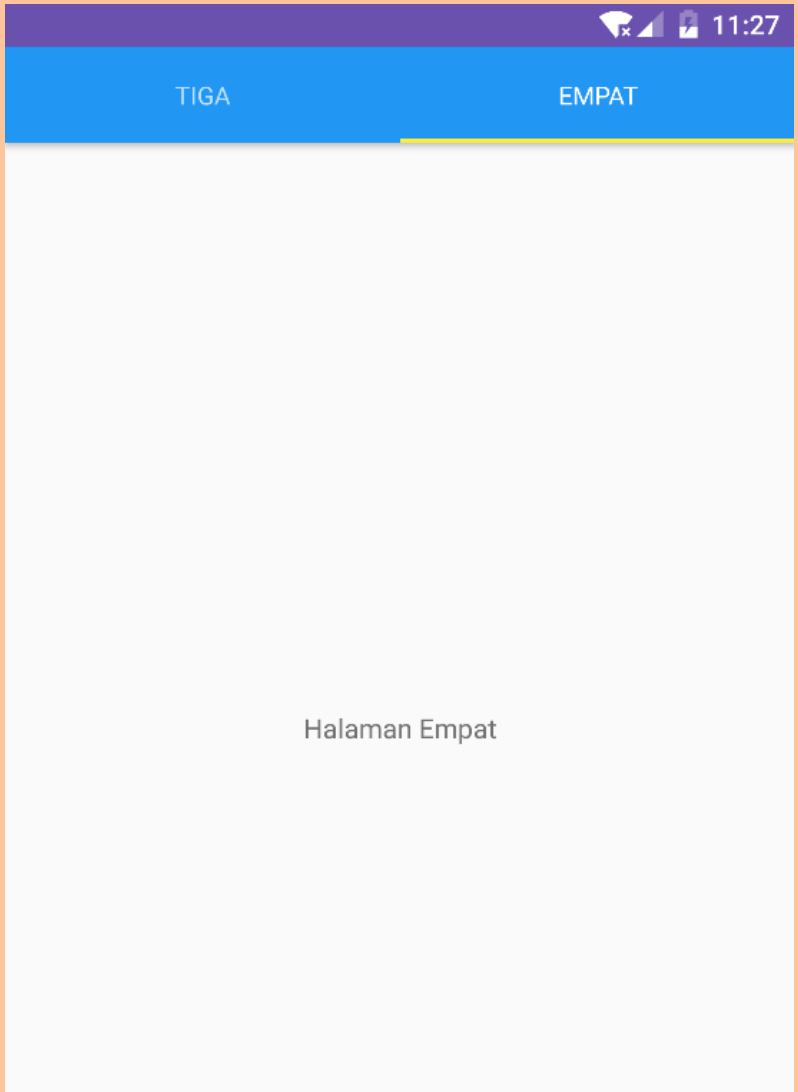
```
import React, { Component } from 'react';
import { Text, View, Button } from 'react-native';

class Dua extends Component {
 render() {
  return (
   <View style={{ flex: 1, alignItems: 'center',
    justifyContent: 'center' }}>

   <Text>Halaman Dua</Text>
   <Button title="Ke Hal Dua... lagi"
    onPress={
    () => this.props.navigation.navigate('HalDua')} />

   <Button title="Kembali"
   onPress={() => this.props.navigation.goBack()} />

  </View>
);}}

export default Dua;
```

# App.js

```
import React, { Component } from 'react';
import { StackNavigator } from 'react-navigation';
import Satu from './komponen/Satu';
import Dua from './komponen/Dua';

const RootStack = StackNavigator(
  {
    HalSatu: {screen: Satu},
    HalDua: {screen: Dua},
  },
  {
    initialRouteName: 'HalSatu',
  }
);

class App extends Component {
  render() {
    return (<RootStack />);
}}

export default App;
```

# #2 Tab Navigator



# komponen/Tiga.js

```
import React, { Component } from 'react';
import { Text, View } from 'react-native';

class Tiga extends Component {
 render() {
  return (
   <View style={{ flex: 1, alignItems: 'center',
    justifyContent: 'center' }}>

    <Text>Halaman Tiga</Text>

   </View>
);}}

export default Tiga;
```

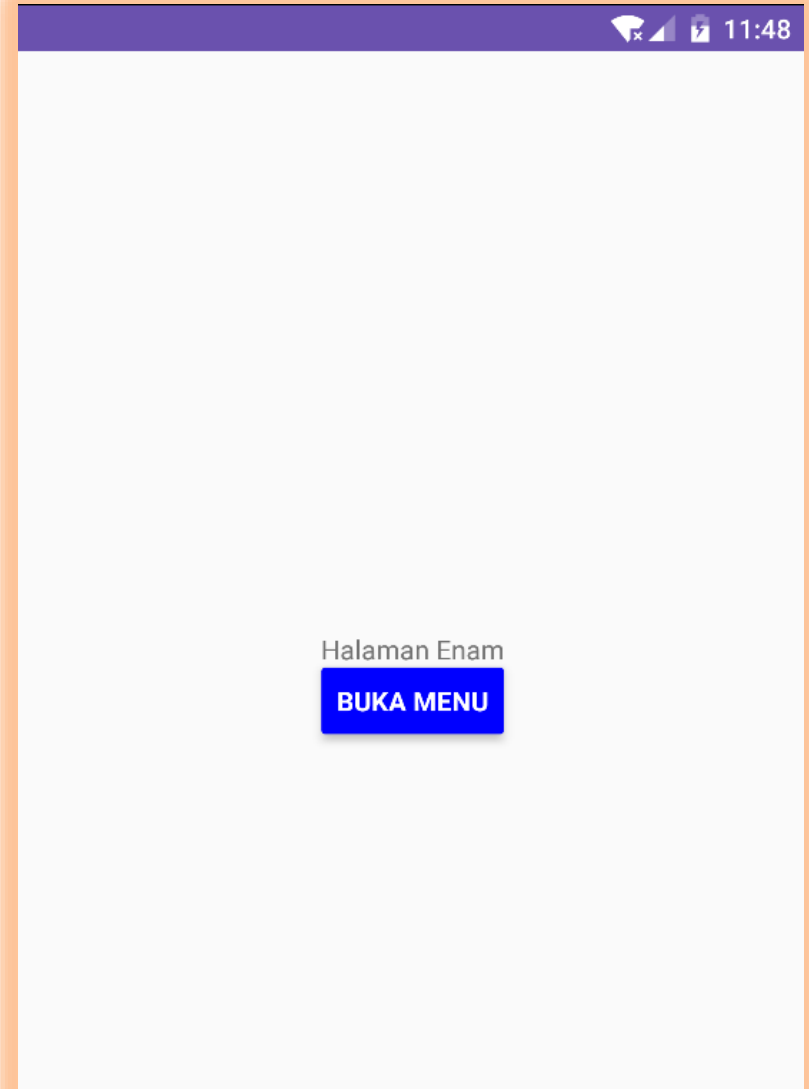
# komponen/Empat.js

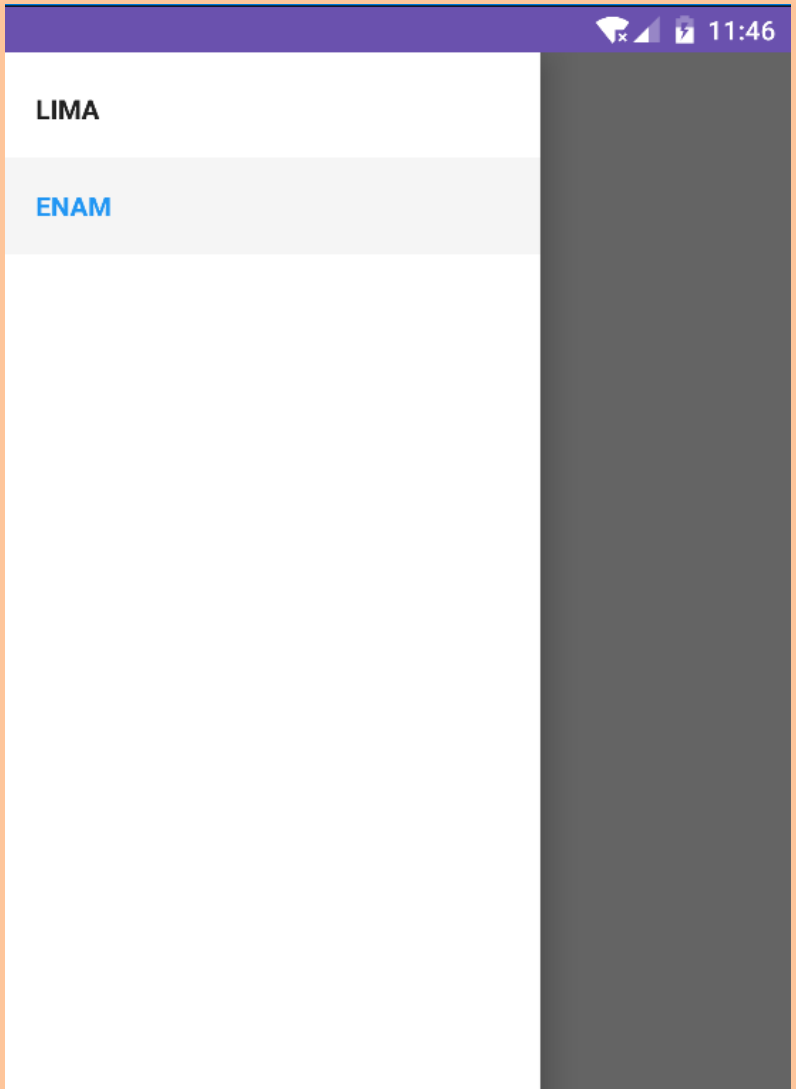
```
import React, { Component } from 'react';
import { Text, View } from 'react-native';

class Empat extends Component {
 render() {
  return (
   <View style={{ flex: 1, alignItems: 'center',
    justifyContent: 'center' }}>

    <Text>Halaman Empat</Text>

   </View>
);}}

export default Empat;
```

# App.js

```
import React, { Component } from 'react';
import { TabNavigator } from 'react-navigation';

import Tiga from './komponen/Tiga';
import Empat from './komponen/Empat';

export default TabNavigator({
  TIGA: { screen: Tiga },
  EMPAT: { screen: Empat },
});
```

# *#3* Drawer Navigator



# komponen/Lima.js

```
import React, { Component } from 'react';
import { Text, View, Button } from 'react-native';

class Lima extends Component {
 render() {
  return (
   <View style={{ flex: 1, alignItems: 'center',
    justifyContent: 'center' }}>

    <Text>Halaman Lima</Text>
    <Button title="Buka Menu" onPress={
     () => this.props.navigation.navigate('DrawerToggle')}
     color={"blue"} />

</View>
);}}

export default Lima;
```

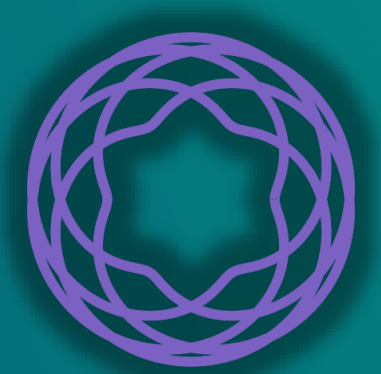
# komponen/Enam.js

```
import React, { Component } from 'react';
import { Text, View, Button } from 'react-native';

class Enam extends Component {
 render() {
  return (
   <View style={{ flex: 1, alignItems: 'center',
    justifyContent: 'center' }}>

    <Text>Halaman Enam</Text>
    <Button title="Buka Menu" onPress={
     () => this.props.navigation.navigate('DrawerToggle')}
     color={"blue"} />

</View>
);}}

export default Enam;
```

# App.js

```
import React, { Component } from 'react';
import { DrawerNavigator } from 'react-navigation';

import Lima from './komponen/Lima';
import Enam from './komponen/Enam';

export default DrawerNavigator({
  LIMA: {
    screen: Lima,
  },
  ENAM: {
    screen: Enam,
  },
});
```

Mobile Development



# React Navigation

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