

## Modul 6

✓ /\* Latihan 6.1 && Latihan 6.2 \*/

✓ Latihan 6.1

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

export default class WithScroll extends Component {
  render(){
    return(
      <ScrollView>
        <View style={{height: 400, backgroundColor: 'powderblue'}}/>
        <View style={{ height: 400, backgroundColor: 'red'}}/>
        <View style={{height: 400, backgroundColor: 'steelblue'}}/>
      </ScrollView>
    );
  }
};
```

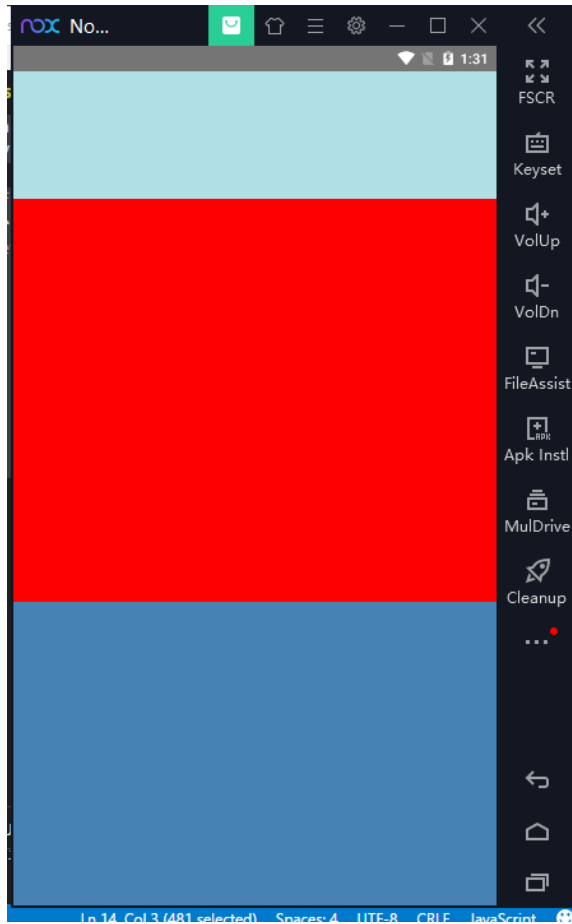
✓ Latihan 6.2

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

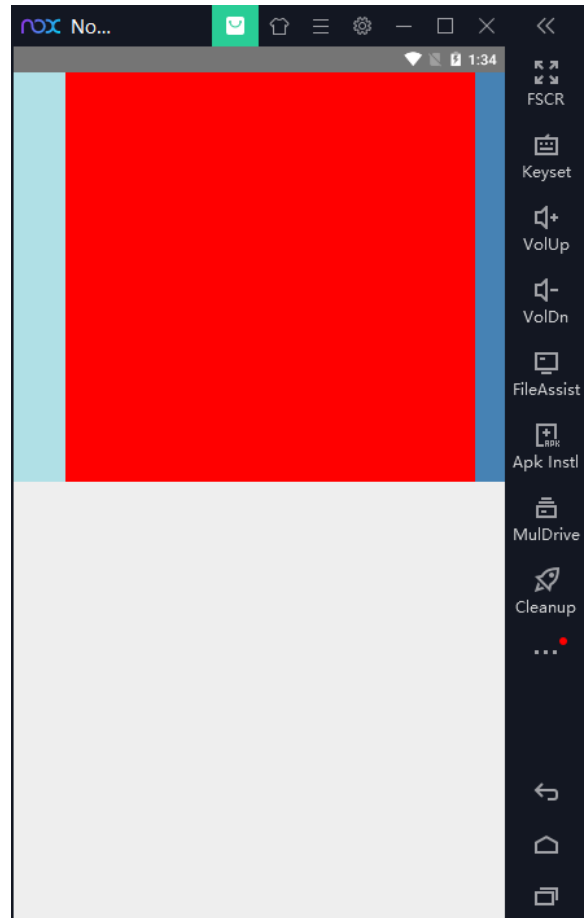
export default class WithScroll extends Component {
  render(){
    return(
      <ScrollView horizontal style={{flexDirection: 'row'}}>
        <View style={{width: 400, height: 400, backgroundColor:
'powderblue'}}/>
        <View style={{width: 400, height: 400, backgroundColor: 'red'}}/>
        <View style={{width: 400, height: 400, backgroundColor:
'steelblue'}}/>
      </ScrollView>
    );
  }
};
```

✓ Tampilan

*Latihan 6.1*



*Latihan 6.2*



- ✓ `/* Latihan 6.3 && Latihan 6.4 */`
- ✓ Latihan 6.3

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

export default class LogoMikroskil extends Component{
  render(){
    return(
      <View style= {{alignItems: 'center', margin : 20}}>
        <Image
          style={{width: 300, height: 300}}
          source= {require('../assets/Images/Mikro.png')}
        />
      </View>
    );
  }
};
```

- ✓ Latihan 6.4

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

export default class LogoMikroskil extends Component{
  constructor(props){
    super(props)

    this.state= {
      width: 300,
      height: 0
    }
  }
  resizeMode= (event)=>{
    let widthOrigin= event.nativeEvent.source.width
    let heightOrigin= event.nativeEvent.source.height
    let aspectRatio= widthOrigin / heightOrigin
    this.setState({
      height: this.state.width / aspectRatio
    })
  }
  render(){
    return(
      <View style= {{alignItems: 'center', margin : 20}}>
        <Image
```

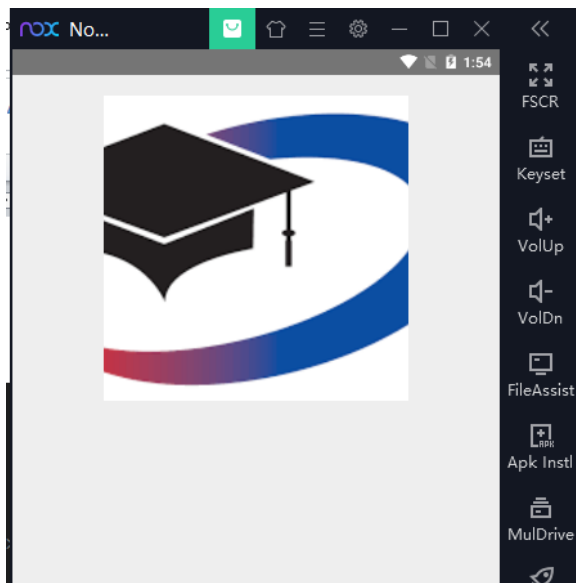
```

        onLoad={this.resizeImage}
        style={{width: this.state.width, height: this.state.height}}
        source= {require('../assets/Images/Mikro.png')}
      />
    </View>
  );
}
};

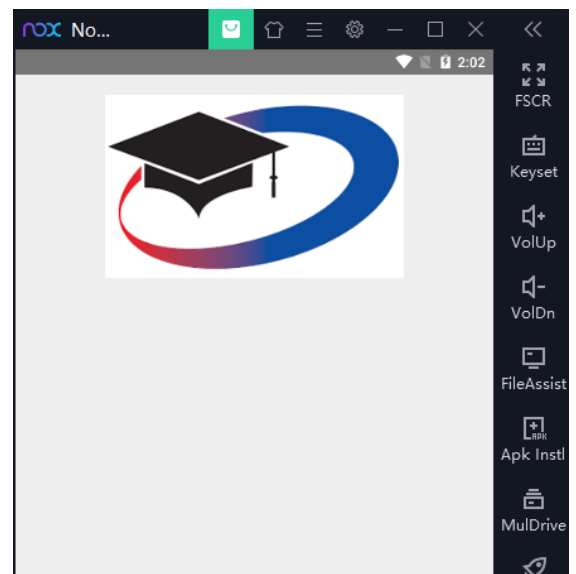
```

✓ Tampilan

*Latihan 6.3*



*Latihan 6.4*

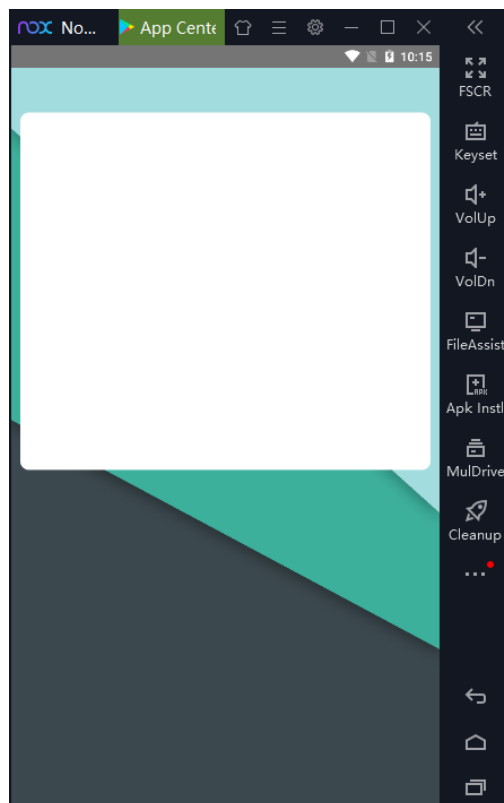


- ✓ `/* Latihan 6.5 */`
- ✓ Source Code

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

export default class WithImageBackground extends Component{
  render(){
    return(
      <ImageBackground style={{width: '100%', height: '100%'}} source=
{require('../assets/Images/background-image.png')}>
        <View
          style={{height: 400, borderRadius: 10, marginHorizontal: 10,
marginTop: 50, backgroundColor: '#fff'}}>
        </View>
      </ImageBackground>
    );
  }
}
```

- ✓ Tampilan

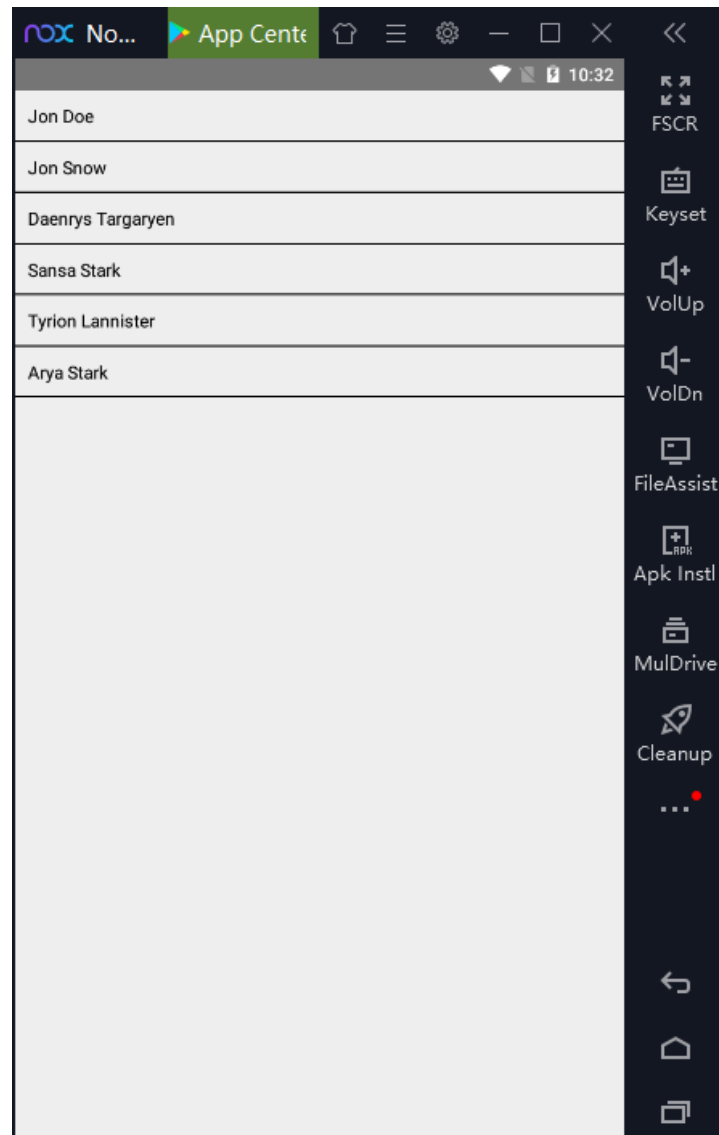


- ✓ `/* Latihan 6.6 */`
- ✓ Source Code

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

export default class ListMahasiswa extends Component{
  constructor(props){
    super(props)
    this.state = {
      mahasiswa : [
        'Jon Doe', 'Jon Snow', 'Daenrys Targaryen', 'Sansa Stark',
        'Tyrion Lannister', 'Arya Stark'
      ]
    }
  }
  render(){
    return(
      <View style={{flex: 1}}>
        <FlatList
          keyExtractor={(item, index)=> index.toString()}
          data={this.state.mahasiswa}
          renderItem={({item, index})=> (
            <View
              style={{padding: 10, borderBottomColor: '#dedede',
borderBottomWidth: 1}} key={index}>
                <Text>{item}</Text>
              </View>
            )}
          />
        </View>
      )
    )
  }
}
```

✓ Tampilan



- ✓ `/* Latihan 6.7 */`  
➤ Source Code

```
import React, { Component } from 'react';
import {View, StyleSheet, Image, Dimensions, FlatList} from 'react-native';

export default class ShowImages extends Component {
  constructor(props){
    super(props)

    this.state={
      images: [{
        image: require('../assets/Images/Coco.jpg'),
        width: '100%',
        height: 1
      },
      {
        image: require('../assets/Images/Transformers.jpg'),
        width: '100%',
        height: 1
      },
      {
        image: require('../assets/Images/Avatar.jpg'),
        width: '100%',
        height: 1
      },
      {
        image: require('../assets/Images/Kiminonamaewa.png'),
        width: '100%',
        height: 1
      }
    ]
  }

  resizeModeKeepAspectRatio = (event, index)=>{
    let widthScreen = Dimensions.get('window').width
    let widthOrigin = event.nativeEvent.source.width
    let heightOrigin = event.nativeEvent.source.height
    let aspectRatio = widthOrigin / heightOrigin
    var items = this.state.images
    items[index].width = widthScreen
    items[index].height = widthScreen / aspectRatio
    this.setState({
      images: items
    })
  }
}
```



```

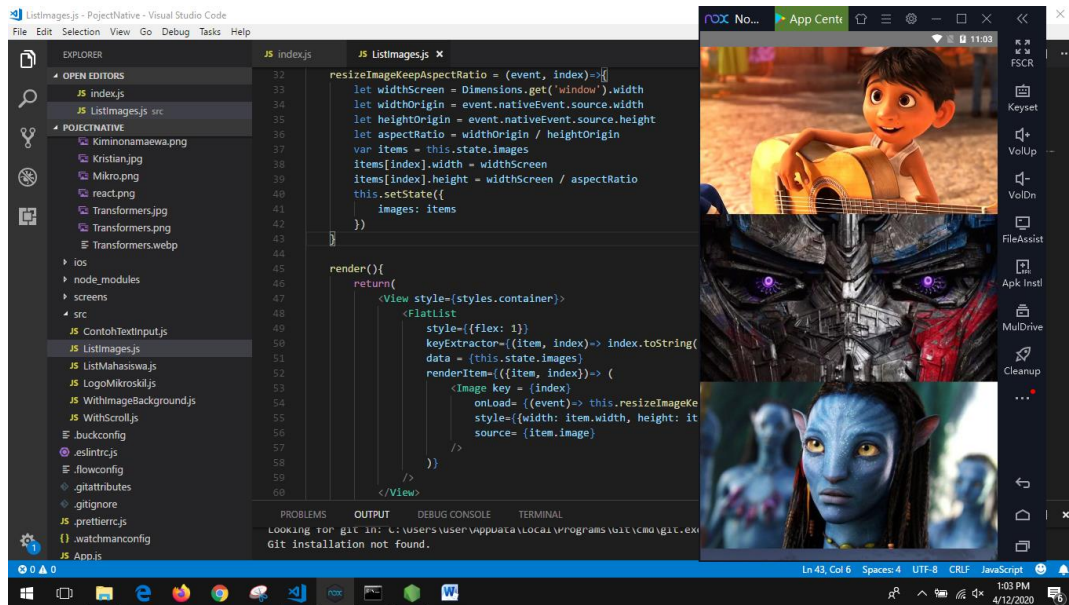
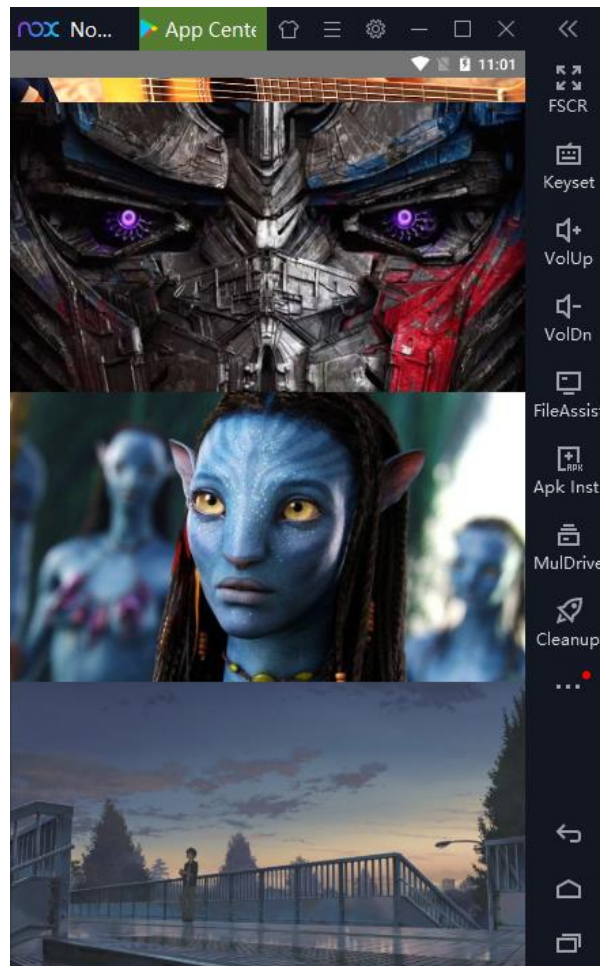
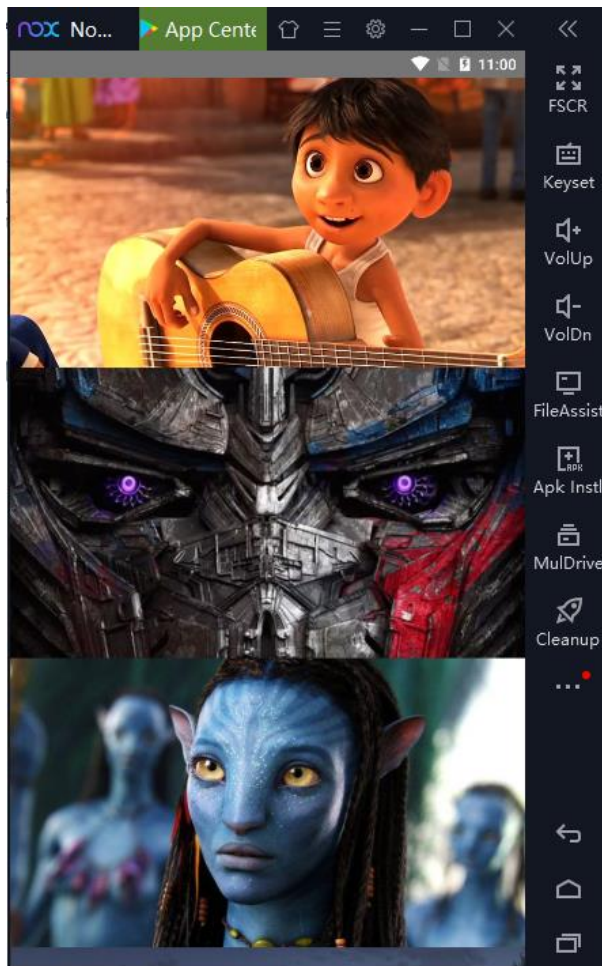
    }

    render(){
      return(
        <View style={styles.container}>
          <FlatList
            style={{flex: 1}}
            keyExtractor={(item, index)=> index.toString()}
            data = {this.state.images}
            renderItem={({item, index})=> (
              <Image key = {index}
                onLoad= {(event)=>
this.resizeImageKeepAspectRatio(event, index)}
                style={{width: item.width, height: item.height}}
                source= {item.image}
              />
            )}
          />
        </View>
      );
    }
  }
}

const styles = StyleSheet.create({
  container : {
    flex: 1
  }
})

```

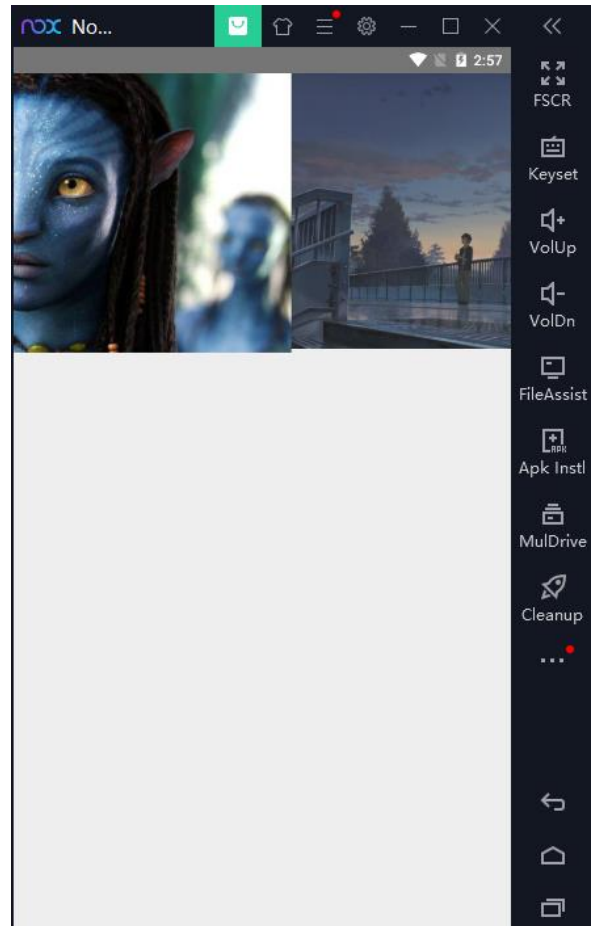
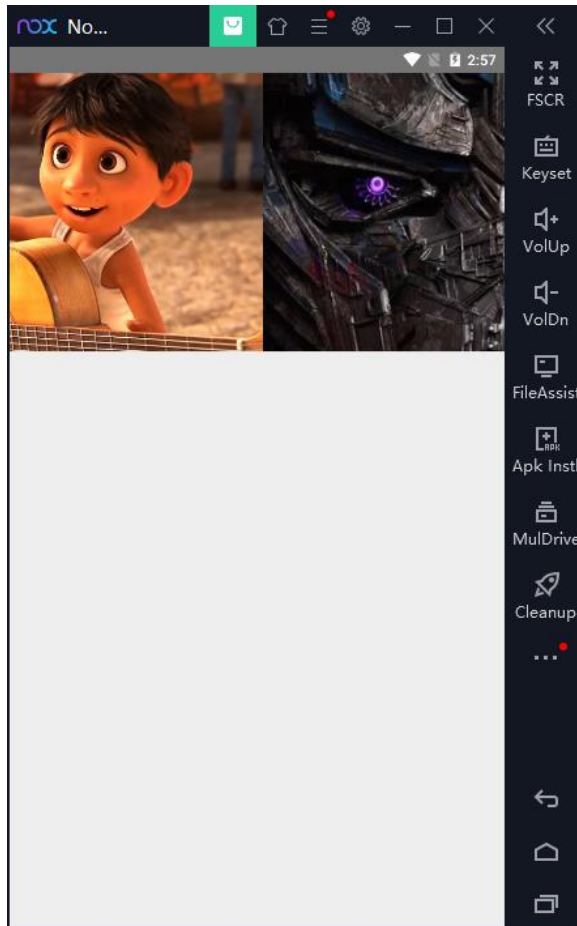
## ➤ Tampilan



## Tugas 6.1s

Buatlah Flatlist & image dengan direction horizontal

Hasil



Nama : Nico Fernando Hondo

Nim : 192119087

Class : Ebiz \_ A Sore