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**Pemrograman Perangkat Bergerak**

1. Prop singkatan dari property. Prop merupakan parameter jika dalam komponen dalam bentuk fungsi namun jika dalam bentuk kelas (class) merupakan property

State merupakan data private dari sebuah komponen. Data ini hanya tersedia untuk komponen tersebut dan tidak bisa diakses dari komponen dan defaultnya adalah 0

2. Contoh View

import React from "react";

import { View, Text } from "react-native";

const ViewBoxesWithColorAndText = () => {

return (

<View

style={{

flexDirection: "row",

height: 100,

padding: 20

}}

>

<View style={{ backgroundColor: "blue", flex: 0.3 }} />

<View style={{ backgroundColor: "red", flex: 0.5 }} />

<Text>Hello World!</Text>

</View>

);

};

export default ViewBoxesWithColorAndText;

Contoh Text

import React, { useState } from "react";

import { Text, StyleSheet } from "react-native";

const TextInANest = () => {

const [titleText, setTitleText] = useState("Bird's Nest");

const bodyText = useState("This is not really a bird nest.");

const onPressTitle = () => {

setTitleText("Bird's Nest [pressed]");

};

return (

<Text style={styles.baseText}>

<Text style={styles.titleText} onPress={onPressTitle}>

{titleText}

{"\n"}

{"\n"}

</Text>

<Text numberOfLines={5}>{bodyText}</Text>

</Text>

);

};

const styles = StyleSheet.create({

baseText: {

fontFamily: "Cochin"

},

titleText: {

fontSize: 20,

fontWeight: "bold"

}

});

export default TextInANest;

Contoh TextInput

import React from "react";

import { SafeAreaView, StyleSheet, TextInput } from "react-native";

const UselessTextInput = () => {

const [text, onChangeText] = React.useState("Useless Text");

const [number, onChangeNumber] = React.useState(null);

return (

<SafeAreaView>

<TextInput

style={styles.input}

onChangeText={onChangeText}

value={text}

/>

<TextInput

style={styles.input}

onChangeText={onChangeNumber}

value={number}

placeholder="useless placeholder"

keyboardType="numeric"

/>

</SafeAreaView>

);

};

const styles = StyleSheet.create({

input: {

height: 40,

margin: 12,

borderWidth: 1,

},

});

export default UselessTextInput;

Contoh Button

<Button

onPress={onPressLearnMore}

title="Learn More"

color="#841584"

accessibilityLabel="Learn more about this purple button"

/>

Contoh ScrollView

import React from 'react';

import { StyleSheet, Text, SafeAreaView, ScrollView, StatusBar } from 'react-native';

const App = () => {

return (

<SafeAreaView style={styles.container}>

<ScrollView style={styles.scrollView}>

<Text style={styles.text}>

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</Text>

</ScrollView>

</SafeAreaView>

);

}

const styles = StyleSheet.create({

container: {

flex: 1,

paddingTop: StatusBar.currentHeight,

},

scrollView: {

backgroundColor: 'pink',

marginHorizontal: 20,

},

text: {

fontSize: 42,

},

});

export default App;

3. Langkah-langkah menjalankan aplikasi React Native

1. Sebelum menjalankan harus terinstall terlebih dahulu node.js
2. Lakukan npm install –global expo-cli
3. Lalu expo init namaProject
4. Jika sudah buka projectnya menggunakan code editor
5. Lalu buka terminalnya dan jalankan projectnya menggunakan perintah
6. npm run web = jika ingin menjalankannya di web
7. npm run android = jika ingin menjalankannya di android dan harus membuka emulatornya terlebih dahulu