

Laporan – Firebase-realtime

Pemograman berbasis framework

30 April 2020

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```
npm WARN saveError ENOENT: no such file or directory, open 'D:\MATKUL\SEMESTER 6(GENAP)\Pemograman berbasis framework\firebase-realtime\package.json'
npm notice created a lockfile as package-lock.json. You should commit this file.

npm WARN encent ENCENT: no such file or directory, open 'D:\MATKUL\SEMESTER 6(GENAP)\Pemograman berbasis framework\firebase-realtime\
 package.json'
npm MARN react-router-dom@5.1.2 requires a peer of react@>=15 but none is installed. You must install peer dependencies yourself.

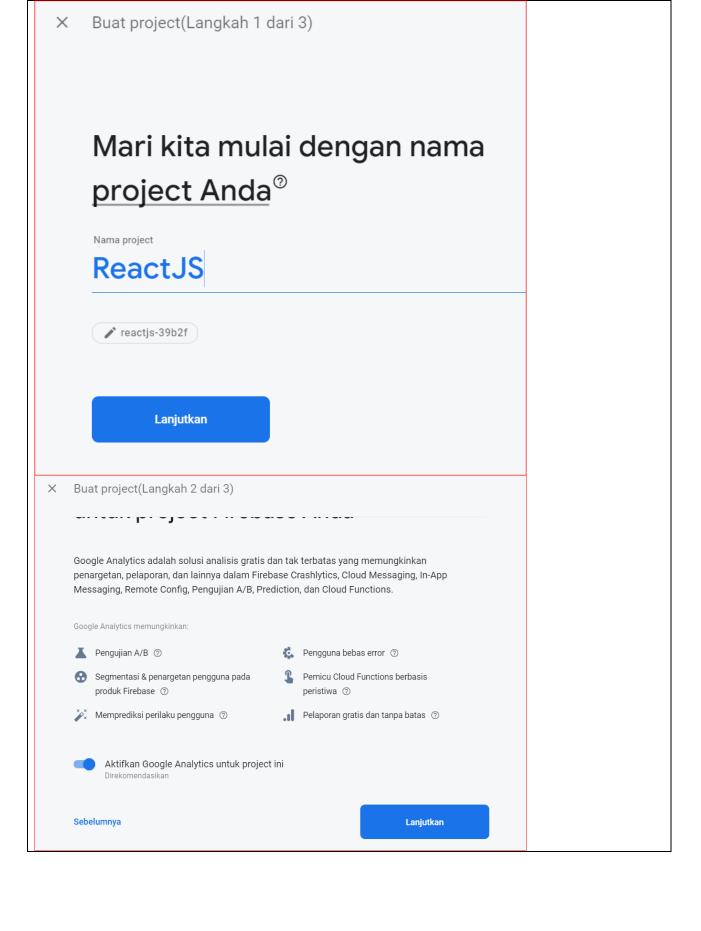
npm WARN react-router@5.1.2 requires a peer of react@>=15 but none is installed. You must install peer dependencies yourself.

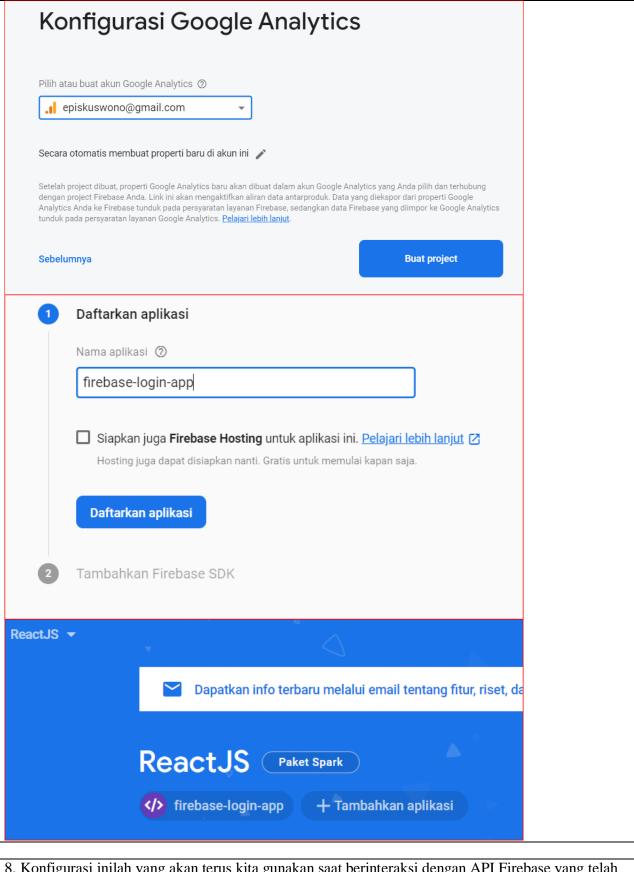
npm WARN mini-create-react-context@0.3.2 requires a peer of react@^0.14.0 || ^15.0.0 || ^16.0.0 but none is installed. You must insta
ll peer dependencies yourself.
            WARN firebase-realtime No description
WARN firebase-realtime No repository field.
WARN firebase-realtime No README data
WARN firebase-realtime No license field.
 npm
 npm
 + react-router-dom@5.1.2
 added 19 packages from 11 contributors and audited 52 packages in 6.631s
 found 0 vulnerabilities
D:\MATKUL\SEMESTER 6(GENAP)\Pemograman berbasis framework\firebase-realtime>
 D:\MATKUL\SEMESTER 6(GENAP)\Pemograman berbasis framework\firebase-realtime>cd database-realtime
 D:\MATKUL\SEMESTER 6(GENAP)\Pemograman berbasis framework\firebase-realtime\database-realtime>npm install --save firebase
npm WARN registry Unexpected warning for https://registry.npmjs.org/: Miscellaneous Warning ETIMEDOUT: request to https://registry.npmjs.org/@firebase%2fperformance failed, reason: connect ETIMEDOUT 104.16.19.35:443
                 ARN registry Using stale package data from https://registry.npmjs.org/ due to a request error during revalidation.
RRI Unexpected end of JSON input while parsing near '...80405.0.0", "gulp": "4.'
 npm ERR! A complete log of this run can be found in:
npm ERR! C:\Users\Epis Kuswono\AnnData\Bossical
                                       C:\Users\Epis Kuswono\AppData\Roaming\npm-cache\_logs\2020-04-30T02_14_15_359Z-debug.log
\label{lem:decomposition} D: $$ MATKUL\SEMESTER 6(GENAP)\Pemograman berbasis framework\firebase-realtime\and install bootstrap. $$ Pemograman berbasis framework\firebase-realtime\and perbasis. $$ Pemograman berbasis framework\firebase-realtime\and perbasis framework\firebase-realtime\and perbasis framework\firebase-realtime\and perbasis framework\firebase-realtime\and perbasis framework\firebase-realtime\and perbasis framework\firebase-realtime\and perbasis framework\firebase-realtime\and perbase-realtime\and perbase-
                       react-scripts@3.4.1 requires a peer of typescript@^3.2.1 but none is installed. You must install peer dependencies yourself.
sass-loader@8.0.2 requires a peer of node-sass@^4.0.0 but none is installed. You must install peer dependencies yourself.
 npm
                            sass-loader@8.0.2 requires a peer of sass@^1.3.0 but none is installed. You must install peer dependencies yourself.
 npm
 npm WARN sass-loader@8.0.2 requires a peer of sass@*1.3.0 but none is installed. You must install peer dependencies yourself.

npm WARN tsutils@3.17.1 requires a peer of fibers@>= 3.1.0 but none is installed. You must install peer dependencies yourself.

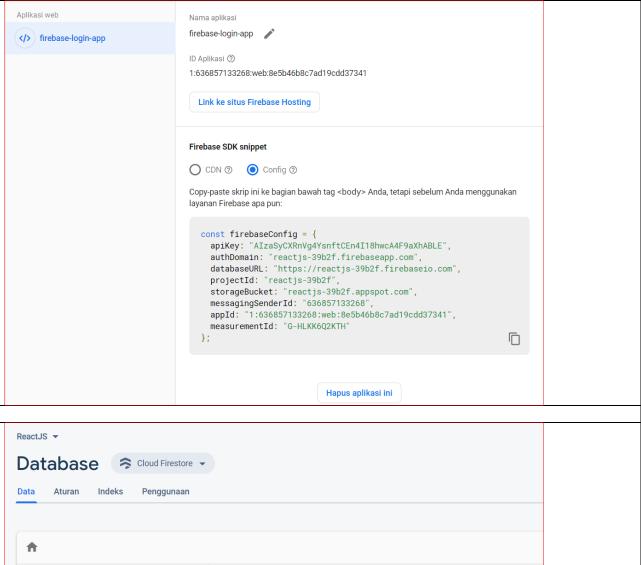
npm WARN tsutils@3.17.1 requires a peer of typescript@>=2.8.0 || >= 3.2.0-dev || >= 3.3.0-dev || >= 3.4.0-dev || >= 3.5.0-dev || >= 3.6.0-dev || >= 3.7.0-dev |
                         bootstrap@4.4.1 requires a peer of popper.js@^1.16.0 but none is installed. You must install peer dependencies yourself.
 npm
               WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.1.2 (node_modules\fsevents):
WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.1.2: wanted {"os":"darwin","arch":"any"} (current:
 {"os":"win32", "arch": "x64"})
                           optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.12 (node_modules\webpack-dev-server\node_modules\fsevents):
notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.12: wanted {"os":"darwin","arch":"any"} (current:
 npm
   {"os":"win32","arch":"x64"})
                          valid2 , arch . Ad4 ;)
optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.12 (node_modules\watchpack\node_modules\fsevents):
notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.12: wanted {"os":"darwin","arch":"any"} (current:
 npm
     .
{"os":"win32","arch":"x64"})
 npm | MARN | optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.12 (node_modules\jest-haste-map\node_modules\fsevents):

npm | MARN | notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.12: wanted {"os":"darwin","arch":"any"} (current:
  + bootstrap@4.4.1
 added 1 package from 2 contributors and audited 931400 packages in 32.386s
 found 0 vulnerabilities
```





8. Konfigurasi inilah yang akan terus kita gunakan saat berinteraksi dengan API Firebase yang telah kita buat.





```
import React, {Component} from "react";
 import './BlogPost.css';
 import Post from "../../component/BlogPost/Post";
 /*import API from "../../services";*/
 import firebase from "firebase";
 import firebaseConfig from "../../firebase/config";
 class BlogPost extends Component{
        constructor(props){
             super(props);
             firebase.initializeApp(firebaseConfig);
             this.state = {
                   listArtikel: []
ambilDataDariServerAPI = () => {
                                   // fungsi untuk mengambil data dari API dengan penambahan so
   let ref = firebase.database().ref("/");
   ref.on("value", snapshot => {
      const state = snapshot.val();
      this.setState(state);
simpanDataKeServerAPI = () => {
   firebase.database()
   .ref("/")
   .set(this.state);
componentDidMount() {
                    // komponen untuk mengecek ketika compnent telah di-mount-ing, maka panggil API
   this.ambilDataDariServerAPI() // ambil data dari server API lokal
  componentDidUpdate(prevProps, prevState) {
    if(prevState !== this.state){
        this.simpanDataKeServerAPI();
 handleHapusArtikel = (idArtikel) => {
                                     // fungsi yang meng-handle button action hapus data
     const {listArtikel} = this.state;
     const newState = listArtikel.filter(data => {
        return data.uid !== idArtikel;
     this.setState({listArtikel: newState});
```

```
handleTombolSimpan = (event) => {
                                                    // fungsi untuk meng-handle tombol simpan
     let title = this.refs.judulArtikel.value;
     let body = this.refs.isiArtikel.value;
     let uid = this.refs.uid.value;
     if(uid && title && body) {
         const {listArtikel} = this.state;
         const indeksArtikel = listArtikel.findIndex(data => {
              return data.uid === uid;
         });
         listArtikel[indeksArtikel].title = title;
         listArtikel[indeksArtikel].body = body;
         this.setState({listArtikel});
     }else if(title && body) {
         const uid = new Date().getTime().toString();
         const {listArtikel} = this.state;
         listArtikel.push({uid, title, body});
         this.setState({listArtikel});
     this.refs.judulArtikel.value = "";
     this.refs.isiArtikel.value = "";
     this.refs.uid.value = "";
 render() {
         <div className="post-artikel">
             <div className="form pb-2 border-bottom">
                <div className="form-group row"</pre>
                    <label htmlFor="title" className="col-sm-2 col-form-label">Judul</label>
                    <div className="col-sm-10">
                        <input type="text" className="form-control" id="title" name="title" ref="judulArtikel"/</pre>
                  <div className="form-group row">
                     <label htmlFor="body" className="col-sm-2 col-form-label">Isi</label>
                     <div className="col-sm-10">
                         <textarea className="form-control" id="body" name="body" rows="3" ref="isiArtkel"></tex</pre>
                  <button type="submit" className="btn btn-primary" onClick={this.handleTombolSimpan}>Simpan</but</pre>
              <h2>Daftar Artikel</h2>
                  this.state.listArtikel.map(artikel => { // looping dan masukkan untuk setiap data yang ada di
                     return <Post key={artikel.id} judul={artikel.title} isi={artikel.body} idArtikel={artikel.i</pre>
export default BlogPost;
```