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LAMPIRAN

1. **Source code soal.js**

```
import { useEffect, useState, Fragment } from 'react';
import dbExam from '../indexedDB/exam';
import {
  QuestionWrapper,
  AnswerWrapper,
  CardWrapper,
  CardBackground,
  CardBackgroundAnswer,
  Card,
  TitleArea,
  QuestionArea,
  AnswerArea,
  ChooseAnswer,
  ButtonArea,
  ButtonAreaSelesai,
  ChoiceArea,
} from '../components/soal/soalStyles';
import React from 'react';
import { Link, navigate } from 'gatsby';
import { useDispatch, useSelector } from 'react-redux';
import { changedataAnswer } from '../state/createstore';
//---modaldialog
import DialogBox from
"../components/modalDialog/submitdialog"

const Soal = ({ history, test }) => {

  //---redux
  const user = useSelector(state => state);
  const dispatch = useDispatch();

  const onChangeDataAnswer = (payload) =>{
    console.log("dx", payload);
```

```
    dispatch(changedataAnswer(payload))
  }

  const [dataShowSoal, setDataShowSoal] = useState({});
  const [listDataSoal, setListDataSoal] = useState([]);
  // const [dataAnswer, setDataAnswer] = useState([]);
  const [dataRightAnswer, setRightDataAnswer] =
useState([]);
  const [numberSoal, setNumberSoal] = useState();
  const [ authenticated, setAuthenticated] =
useState(false);
  const [color, setColor] = useState("#FDFEFE");
    // untuk modalDialog
  const [showModal, setshowModal] = useState(false);

// console.log('n', test);
  useEffect(() => {
    dbExam.soal.toArray().then((response) => {
      const dataRigthAnswer = [];
      const payloadDataAnswer = [];
      for (let i = 0; i < response.length; i++) {
        dataRigthAnswer.push(response[i].rightAnswer);
        payloadDataAnswer.push({
          no: response[i].id,
          value: '',
          indexValue: '',
          statusAnswer: false,
          isMarks: false
        });
      }
      onChangeDataAnswer(payloadDataAnswer);
      setRightDataAnswer(dataRigthAnswer);
      setDataShowSoal(response[0]);
      setListDataSoal(response);
```

```
      setNumberSoal(1);
    });

  }, []);


  const changeChoice = (e, i) => {
    const { value } = e.target;
    const findIndex = (user.dataAnswer).findIndex((d) =>
d.no === i);
    const findIndexValue = listDataSoal
      .filter((d) => d.id === i)
      .map((d) => d.choice)
      .map((d) =>
        d.findIndex((f) => f.select.substring(0, 1) ===
value.substring(0, 1))
      );
    const stateAnswer = [...(user.dataAnswer)];
    stateAnswer[findIndex].value = value.substring(0, 1);
    stateAnswer[findIndex].indexValue =
findIndexValue[0];
    if (stateAnswer[findIndex].indexValue ===
dataRightAnswer[findIndex]) {
      stateAnswer[findIndex].statusAnswer = true;
    } else {
      stateAnswer[findIndex].statusAnswer = false;
    }
    onChangeDataAnswer(stateAnswer);



  };
//---untukk penanda jawaban ragu-ragu
  const marker = (numsoal) =>{
```

```
    const findIndex = (user.dataAnswer).findIndex((d) =>
d.no === numsoal);
    const temp = [...(user.dataAnswer)];
    if(temp[findIndex].indexValue === '' ){
      return
    }

    temp[findIndex].isMarks = true;
    onChangeDataAnswer(temp);
    console.log('ee', (user.dataAnswer[findIndex]));
    // setColor(color === "#FDFEFE" ? "#EC7063" :
"#FDFEFE");
  }

//detail warna #FDFEFE=putih  #EC7063=merah salmon

  const nextSoal = (number) => {
    const sum = number + 1;

    if (sum > 0 && sum <= listDataSoal.length) {
      setNumberSoal(sum);

      const filterSoal = listDataSoal.filter((d) => d.id
=== sum);
      setDataShowSoal(filterSoal[0]);
    }
  };

  const previousSoal = (number) => {
    const sum = number - 1;

    if (sum !== 0) {
      setNumberSoal(sum);
```

```
      const filterSoal = listDataSoal.filter((d) => d.id
=== sum);
      setDataShowSoal(filterSoal[0]);
      console.log("previous", sum);
    }
  };

  const jumptoQuest = (numb) => {
    // const filterSoal = listDataSoal.filter((d) =>
d.id);
    const sum = numb + 1;
    console.log("jumpto", numb);
    setNumberSoal(sum);
    const filterSoal = listDataSoal.filter((d) => d.id
=== sum);
    setDataShowSoal(filterSoal[0]);
  }
//---untuk memunculkan moalDialog
  const showModallll = e => {
    setshowModal(prevState => !prevState)
  }

console.log("setlistdataSoal", listDataSoal.length);
 console.log('user', user.dataAnswer);
  return (
    <Fragment>
      <QuestionWrapper>
        <CardWrapper>
          <CardBackground>
            <Card>
              <TitleArea>
                <h2>Soal {dataShowSoal.id}</h2>
              </TitleArea>
```

```
              <QuestionArea>
                <p>{dataShowSoal.question}</p>

                {dataShowSoal.choice &&
                  dataShowSoal.choice.map((d, i) => {
                    // console.log("isinya d", d);
                    const findIndex =
(user.dataAnswer).findIndex(
                      (d) => d.no === dataShowSoal.id
                    );
                    return (
                      <ChoiceArea key={i}>
                        <input
                          type="radio"
                          value={d.select}
                          onChange={(e) =>
changeChoice(e, dataShowSoal.id)}
                          checked={

(user.dataAnswer[findIndex]).value ===
                            d.select.substring(0, 1)
                          }
                        />{' '}
                        <label>
                          {d.select} {d.text}
                        </label>
                      </ChoiceArea>
                    );
                  })}
              </QuestionArea>
            </Card>
          </CardBackground>

          <ButtonArea center={false}>
```

```
            <button onClick={() =>
previousSoal(numberSoal)}>
              SOAL SEBELUMNYA
            </button>
            <button onClick={() => nextSoal(numberSoal)}>
              SOAL SELANJUTNYA
            </button>
            <button onClick={() => marker(numberSoal)}>
              TANDAI
            </button>

          </ButtonArea>
        </CardWrapper>
      </QuestionWrapper>
      <AnswerWrapper>
        <CardWrapper>
          <CardBackgroundAnswer>
            <Card>
              <TitleArea>
                <h2>Jawabaan</h2>
              </TitleArea>

              <AnswerArea>
                {user.dataAnswer.length > 0 &&
                  user.dataAnswer.map((d, i) => {
                    // console.log('indexxx', d);
                    return (
                      <ChooseAnswer key={i}
style={d.isMarks ?  {backgroundColor: "#EC7063"} :
{backgroundColor: "#FDFEFE"}}>
                        <div>
                          <div className="bullet"
onClick={() => jumptoQuest(i)} >
                            <p>
```

```
                                {d.no}
                                </p>
                            </div>
                            <p>{d.value}</p>
                          </div>
                        </ChooseAnswer>
                      );
                    })}
                </AnswerArea>
              </Card>
            </CardBackgroundAnswer>

            <ButtonAreaSelesai center={true}>
              {/* <Link to="/answer/"> */}
                <button
onClick={showModallll}>SELESAI</button>
                 {showModal && <DialogBox
onCloseModal={showModallll} />}
              {/* </Link> */}
            </ButtonAreaSelesai>
          </CardWrapper>
        </AnswerWrapper>
      </Fragment>
    );
};

export default Soal;
```

2. Source code finish.js

```
import { useEffect, useState } from 'react';
import { Button } from '../components';
```

```
import dbExam from '../indexedDB/exam';
import React from 'react';
import { Link, navigate } from 'gatsby';
import axios from 'axios';

const Finish = ({ history }) => {
  const [amountRight, setAmountRight] = useState('');
  const [amountWrong, setAmountWrong] = useState('');
  const [notAnswered, setNotAnswered] = useState('');
  const [score, setScore] = useState('');

  const handleDeleteToken = () => {
    localStorage.removeItem('token');
    navigate('/');
  };
  useEffect(() => {
    dbExam.answer.toArray().then((responseSoal) => {
      dbExam.answer.toArray().then((response) => {
        const amountRightValue = response.filter(
          (d) => d.statusAnswer === true
        );
        const amountWrongValue = response.filter(
          (d) => d.statusAnswer === false
        );
        const notAnsweredValue = response.filter((d) =>
d.value === '');
        setAmountRight(amountRightValue.length);
        setAmountWrong(amountWrongValue.length);
        setNotAnswered(notAnsweredValue.length);
        setScore(
          Math.round((amountRightValue.length /
responseSoal.length) * 100)
        );
      });
    });
  }, []);


  const [namaSiswa, setNamaSiswa] = useState('');
  const [nisSiswa, setNisSiswa] = useState('');
  const [sekolahSiswa, setSekolahSiswa] = useState('');
  const [idSiswa, setIdSiswa] = useState('');

  useEffect(() => {
    dbExam.biodata.toArray().then(() => {
      dbExam.biodata.toArray().then((response) => {
        setIdSiswa(response[0].id);
```

```
        setNamaSiswa(response[0].nama);
        setNisSiswa(response[0].nis);
        setSekolahSiswa(response[0].sekolah);

      });
    });
  }, []);

 console.log('datakirim', idSiswa, namaSiswa, nisSiswa,
sekolahSiswa, score);


  const kirimData = () =>{
    const dataKirim = {
     id: idSiswa,
     nama: namaSiswa,
     nis: nisSiswa,
     sekolah: sekolahSiswa,
      nilai: score
    };

    axios.post('http://192.168.0.55:3000/api/v1/result',
dataKirim)
    .then(respons => console.log("brhasil kirim",
respons))
    .catch(error => console.log('error', error));

    }




      const deleteuser = () =>{
      dbExam.biodata.clear().then((response) => {
      console.log("Siswa telah mnyelesaikan ujian",
response);
    });
  };

  const deleteanswer = () =>{
    dbExam.answer.clear().then((response) => {
      console.log("Terhapusss", response);
    });
  };


  return (
```

```
    <div>
      <div style={{ marginBottom: '20px', textAlign:
'center' }}>
        <h2>SELAMAT ANDA TELAH MENYELESAIKAN UJIAN</h2>
      </div>

      <div style={{ marginBottom: '20px', textAlign:
'center' }}>
        <h4>NILAI ANDA</h4>
      </div>

      <div style={{ marginBottom: '20px', textAlign:
'center' }}>
        <h2>{score}</h2>
      </div>

      <div
        style={{
          marginBottom: '20px',
          background: '#3dbca4',
          padding: '20px 20px',
        }}
      >
        <p>Jumlah Benar : {amountRight}</p>
        <p>Jumlah Salah : {amountWrong}</p>
        <p>Tak Terjawab : {notAnswered}</p>
      </div>

      <div style={{ textAlign: 'center' }}>
        <Link to="/">
          <Button onClick={() => {handleDeleteToken();
deleteuser(); deleteanswer(); kirimData();}}>MASUKKAN
TOKEN LAGI ?</Button>
        </Link>
      </div>
    </div>
  );
};

export default Finish;
```

3. Source code submitdialog.js

```
import React, { useState, useEffect } from "react"
import "./submitStyles.css"
import { useDispatch, useSelector } from 'react-redux';
import { changedataAnswer } from
'../../state/createStore';
import dbExam from '../../indexedDB/exam';
import { navigate } from 'gatsby';


const DialogBox = props => {
  //---redux
  const user = useSelector(state => state);
  const dispatch = useDispatch();

  const onChangeDataAnswer = (payload) =>{
    console.log("dx", payload);
    dispatch(changedataAnswer(payload))
  }



  const closeCustomModal = e => {
    props.onCloseModal(e)
  }
//--- untuk ke laman selanjutnya
  const done = () => {
    dbExam.answer.toArray().then((response) => {
      if (!response.length > 0) {
        for (let i = 0; i < user.dataAnswer.length; i++)
{
          dbExam.answer.add({
            no: user.dataAnswer[i].no,
            value: user.dataAnswer[i].value,
            statusAnswer:
user.dataAnswer[i].statusAnswer,
```

```
          });
        }
      }
      navigate('/answer/');
    });
  };


  var { id, className, header, body, footer } = props
  return (
    <div id="myModal" className="modal">
      <div className="modal-content">
        <div className="modal-header">

            <h4>PERHATIAN!</h4>
        </div>

        <div className="modal-body">
            <p>Apakah Anda sudah yakin ingin mengakhiri
ujian ?..</p>
        </div>

        <div className="modal-footer">
            <br />
              <button className="done" onClick={done}>
                Yaa Saya Yakin
              </button>
            <span className="close"
onClick={closeCustomModal}>
              <button>
                Kembali ke Soal
              </button>
            </span>
            <br />
```

```
          </div>
        </div>
      </div>
    )
}

export default DialogBox;
```

LEMBAR PERBAIKAN SKRIPSI

"ANALISIS SISTEM UJIAN ONLINE BERBASIS KOMPUTER PADA JARINGAN LOW BANDWIDTH STUDI KASUS SEKOLAH MENENGAH PERTAMA"

OLEH:

AINUN MARDIAH

D421 15 004

Skripsi ini telah dipertahankan pada Ujian Akhir Sarjana tanggal 1 September 2022. Telah dilakukan perbaikan penulisan dan isi skripsi berdasarkan usulan dari penguji dan pembimbing skripsi.

Persetujuan perbaikan oleh tim penguji:

	Nama	Tanda Tangan
Ketua	Dr. Amil Ahmad Ilham, ST., M.I.T.	
Sekretaris	Iqra Aswad, ST., M.T.	
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Persetujuan perbaikan oleh pembimbing:

Pembimbing	Nama	Tanda Tangan
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