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## LAMPIRAN

### a. Index.js pada Next.js

```
import Layout from '../components/Layout';
import Link from 'next/link';
import { Component } from 'react';
import Image from 'next/image';

import groupBy from 'lodash/groupBy';

export default class Index extends Component {

  componentDidMount = () => {
    document.getElementById("btnMenuAbout").classList.remove("active");
  };
  document.getElementById("btnMenuHome").classList.add("active");
}

static async getInitialProps() {

  // API
  const topNewsLeftRest = await
  fetch(`http://localhost/gatsby-
  news/admin/api/news.php?slug=all&limit=4`);
  const topNewsRightRest = await
  fetch(`http://localhost/gatsby-
  news/admin/api/news.php?slug=all&limit=4&offset=4`);
  const listOfKategori = await
  fetch(`http://localhost/gatsby-
  news/admin/api/news.php?slug=all`);

  const featuredItems = await fetch(`http://localhost/gatsby-
  news/admin/api/news.php?slug=all`);
  const popularNewsItem = await
  fetch(`http://localhost/gatsby-
  news/admin/api/popular_news.php`);
  const latestNewsItem = await
  fetch(`http://localhost/gatsby-
  news/admin/api/latest_news.php`);
  const mostViewed = await fetch(`http://localhost/gatsby-
  news/admin/api/popular_news.php`);
  const mostRead = await fetch(`http://localhost/gatsby-
  news/admin/api/popular_news.php`);
  const mostRecent = await fetch(`http://localhost/gatsby-
  news/admin/api/latest_news.php`);
```

```

    const mainNews = await fetch(`http://localhost/gatsby-
news/admin/api/news.php?slug=all&limit=9`);

    // to Json
    const topNewsLeftData = await topNewsLeftRest.json();
    const topNewsRightData = await topNewsRightRest.json();

    const listOfKategoriData = await listOfKategori.json();
    const groupNews = groupBy(listOfKategoriData.data, (n) =>
n.kategori);
    const listOfKategoriToArray = Object.entries(groupNews);

    const featuredItemDataTemp = await featuredItems.json();

    const featuredItemData = [];
    featuredItemDataTemp.data.map((item) => {
        if (item.featured == 1) {
            featuredItemData.push(item);
        }
    });

    const popularNewsItemData = await popularNewsItem.json();
    const latestNewsItemData = await latestNewsItem.json();
    const mostViewedData = await mostViewed.json();
    const mostReadData = await mostRead.json();
    const mostRecentData = await mostRecent.json();

    const mainNewsData = await mainNews.json();

    return {
        tNewsLeft: topNewsLeftData,
        tNewsRight: topNewsRightData,
        listOfKategori: listOfKategoriToArray,
        mainNews: mainNewsData,
        featuredItems: featuredItemData,
        popularNewsItem: popularNewsItemData,
        latestNewsItem: latestNewsItemData,
        mostViewed: mostViewedData,
        mostRead: mostReadData,
        mostRecent: mostRecentData,
    };
}

// loadImage(image) {

```

```

//     const image = new Image();
//     image.src = `http://localhost/gatsby-
news/admin/uploads/${image}`;
//     // eslint-disable-next-line eqeqeq
//     if (image.width == 0) {
//         return `http://localhost/gatsby-
news/admin/uploads/placeholder.png`;
//     }
//     return `http://localhost/gatsby-
news/admin/uploads/${image}`;
// }

TopNewsLeft(img, slug, linkText) {
    return (
        <div className="col-md-6">
            <div className="tn-img">
                <Image src={img} alt={img} width={1200}
height={1000} />
                <div className="tn-title">
                    <Link href={`news/${slug}`}>
                        <a>{linkText}</a>
                    </Link>
                </div>
            </div>
        </div>
    );
}

TopNewsRight(img, slug, linkText) {
    return (
        <div className="col-md-6">
            <div className="tn-img">
                /* eslint-disable-next-line jsx-a11y/alt-text */
                <Image src={img} alt={img} width={1200}
height={945} />
                <div className="tn-title">
                    <Link href={`news/${slug}`}>
                        <a>{linkText}</a>
                    </Link>
                </div>
            </div>
        </div>
    );
}

```

```

NewsMap(kategori, item) {
  const imagePath = `http://localhost/gatsby-
news/admin/uploads/`;
  return (
    <div className="col-md-6">
      <h2>{kategori}</h2>
      <div className="row cn-slider">
        {item.map(
          (news, index) =>
            index < 3 && (
              <div className="col-md-6">
                <div className="cn-img">
                  /* eslint-disable-next-line
no-undef */
                  <Image src={imagePath +
news.image} alt={imagePath + news.image} width={1200}
height={1000} />
                  <div className="cn-title">
                    <Link
href={`news/${news.slug}`}>
                      <a>{news.title}</a>
                    </Link>
                  </div>
                </div>
              </div>
            )
          )
        }
      </div>
    </div>
  );
}

Featured(item) {
  const imagePath = `http://localhost/gatsby-
news/admin/uploads/`;
  return (
    <div className="tn-news">
      <div className="tn-img">
        <Image src={imagePath + item.image} width={1200}
height={1000} />
      </div>
      <div className="tn-title">
        <Link href={`news/${item.slug}`}>
          <a>{item.title}</a>
        </Link>
      </div>
    </div>
  );
}

```

```

        </div>
    </div>
    );
}

PopularNews(item) {
    const imagePath = `http://localhost/gatsby-
news/admin/uploads/`;
    return (
        <div className="tn-news">
            <div className="tn-img">
                <Image src={imagePath + item.image} width={1200}
height={1000} />
            </div>
            <div className="tn-title">
                <Link href={` /news/${item.slug}`}>
                    <a>{item.title}</a>
                </Link>
            </div>
        </div>
    );
}

LatestNews(item) {
    const imagePath = `http://localhost/gatsby-
news/admin/uploads/`;
    return (
        <div className="tn-news">
            <div className="tn-img">
                <Image src={imagePath + item.image} width={1200}
height={1000} />
            </div>
            <div className="tn-title">
                <Link href={` /news/${item.slug}`}>
                    <a>{item.title}</a>
                </Link>
            </div>
        </div>
    )
}

MostViewed(item) {
    const imagePath = `http://localhost/gatsby-
news/admin/uploads/`;
    return (

```

```

    <div className="tn-news">
      <div className="tn-img">
        <Image src={imagePath + item.image} width={1200}
height={1000} />
      </div>
      <div className="tn-title">
        <Link href={` /news/${item.slug}`}>
          <a>{item.title}</a>
        </Link>
      </div>
    </div>
  )
}

MostRead(item) {
  const imagePath = `http://localhost/gatsby-
news/admin/uploads/`;
  return (
    <div className="tn-news">
      <div className="tn-img">
        <Image src={imagePath + item.image} width={1200}
height={1000} />
      </div>
      <div className="tn-title">
        <Link href={` /news/${item.slug}`}>
          <a>{item.title}</a>
        </Link>
      </div>
    </div>
  )
}

MostRecent(item) {
  const imagePath = `http://localhost/gatsby-
news/admin/uploads/`;
  return (
    <div className="tn-news">
      <div className="tn-img">
        <Image src={imagePath + item.image} width={1200}
height={1000} />
      </div>
      <div className="tn-title">
        <Link href={` /news/${item.slug}`}>
          <a>{item.title}</a>
        </Link>

```



```

        </div>
      </div>
    )
  }

  MainNews(item) {
    const imagePath = `http://localhost/gatsby-
news/admin/uploads/`;
    return (
      <div className="col-md-4">
        <div className="mn-img">
          <Image src={imagePath + item.image} width={1200}
height={1000} />
          <div className="mn-title">
            <Link href={` /news/${item.slug}`}>
              <a>{item.title}</a>
            </Link>
          </div>
        </div>
      </div>
    )
  }

  render() {
    const { tNewsLeft, tNewsRight,
listOfKategori, featuredItems,
popularNewsItem, latestNewsItem,
mostViewed, mostRead,
mostRecent, mainNews } = this.props;
    const imagePath = `http://localhost/gatsby-
news/admin/uploads/`;

    return (
      <Layout title="Nextjs News">
        <br/>
        { /* top news */ }
        <div className="top-news">
          <div className="container">
            <div className="row">
              <div className="col-md-6 tn-left">
                <div className="row tn-slider">
                  {tNewsLeft.status &&
tNewsLeft.data.map((item) => this.TopNewsLeft(imagePath +
item.image,item.slug,item.title))}
                </div>
              </div>
            </div>
          </div>
        </div>
      </Layout>
    )
  }
}

```

```

        </div>
        <div className="col-md-6 tn-right">
            <div className="row">
                {tNewsRight.status &&
tNewsRight.data.map((item) => this.TopNewsRight(imagePath +
item.image,item.slug,item.title))}
            </div>
        </div>
    </div>
</div>
{ /* top news end */}

{ /* category news */}
<div className="cat-news">
    <div className="container">
        <div className="row">
            {listOfKategori.length > 0 &&
listOfKategori.map((item) => this.NewsMap(item[0], item[1]))}
        </div>
    </div>
</div>
{ /* category end */}

<div className="tab-news">
    <div className="container">
        <div className="row">
            <div className="col-md-6">
                <ul className="nav nav-pills nav-
justified">
                    <li className="nav-item">
                        <a className="nav-link
active" data-toggle="pill" href="#featured">Featured News</a>
                    </li>
                    <li className="nav-item">
                        <a className="nav-link"
data-toggle="pill" href="#popular">Popular News</a>
                    </li>
                    <li className="nav-item">
                        <a className="nav-link"
data-toggle="pill" href="#latest">Latest News</a>
                    </li>
                </ul>

                <div className="tab-content">

```

```

                <div id="featured"
className="container tab-pane active">
                    {featuredItems.length > 0
&& featuredItems.map((item) => (
                        this.Featured(item)
                    ))}
                </div>
                <div id="popular"
className="container tab-pane fade">
                    {popularNewsItem.data.length > 0 && popularNewsItem.data.map((item) => (
                        this.PopularNews(item)
                    ))}
                </div>
                <div id="latest"
className="container tab-pane fade">
                    {latestNewsItem.data.length > 0 && latestNewsItem.data.map((item) => (
                        this.LatestNews(item)
                    ))}
                </div>
            </div>
            </div>
            <div className="col-md-6"
                <ul className="nav nav-pills nav-justified">
                    <li className="nav-item">
                        <a className="nav-link active" data-toggle="pill" href="#m-viewed">Most Viewed</a>
                    </li>
                    <li className="nav-item">
                        <a className="nav-link" data-toggle="pill" href="#m-read">Most Read</a>
                    </li>
                    <li className="nav-item">
                        <a className="nav-link" data-toggle="pill" href="#m-recent">Most Recent</a>
                    </li>
                </ul>
                <div className="tab-content">
                    <div id="m-viewed"
className="container tab-pane active">
                        {mostViewed.data.length >

```

```

    0 && mostViewed.data.map((item) => (
        this.MostViewed(item)
    )))
    </div>
    <div id="m-read"
className="container tab-pane fade">
        {mostRead.data.length > 0
&& mostRead.data.map((item) => (
            this.MostRead(item)
        )))
    </div>
    <div id="m-recent"
className="container tab-pane fade">
        {mostRecent.data.length >
0 && mostRecent.data.map((item) => (
            this.MostRecent(item)
        )))
    </div>
    </div>
    </div>
    </div>
    </div>
    <div className="main-news">
        <div className="container">
            <div className="row">
                <div className="col-lg-9">
                    <div className="row">
                        {mainNews.data.length > 0 &&
mainNews.data.map((item) => (
                            this.MainNews(item)
                        )))
                    </div>
                </div>
            </div>
        </div>
    </div>
</Layout>
);
}
}

```

## b. Index.js pada gatsby.js

```
import React, { useEffect, useState } from 'react';
import { Link } from 'gatsby';
// eslint-disable-next-line import/no-extraneous-dependencies
import groupBy from 'lodash/groupBy';
import Layout from '../components/Layout';

const loadImage = function (variable) {
  const image = new Image();
  image.src = `http://localhost/gatsby-news/admin/uploads/${variable}`;
  // eslint-disable-next-line eqeqeq
  if (image.width == 0) {
    return `http://localhost/gatsby-news/admin/uploads/placeholder.png`;
  }
  return `http://localhost/gatsby-news/admin/uploads/${variable}`;
};

const TopNewsTnLeft = ({ img, slug, linkText }) => (
  <div className="col-md-6">
    <div className="tn-img">
      <img src={img} alt={img} height={240} />
      <div className="tn-title">
        <Link to={`news/${slug}`}>{linkText}</Link>
      </div>
    </div>
  </div>
);

const TopNewsTnRight = ({ img, slug, linkText }) => (
  <div className="col-md-6">
    <div className="tn-img">
      /* eslint-disable-next-line jsx-a11y/alt-text */
      <img src={img} alt={img} height={240} />
      <div className="tn-title">
        <Link to={`news/${slug}`}>{linkText}</Link>
      </div>
    </div>
  </div>
);

const NewsMap = ({ kategori, item }) => (
  <>
```

```

<div className="col-md-6">
  <h2>{kategori}</h2>
  <div className="row cn-slider">
    {item.map(
      (news, index) =>
        index < 3 && (
          <div className="col-md-6">
            <div className="cn-img">
              {/* eslint-disable-next-line no-undef */}
              <img src={loadImage(news.image)} alt={news.image}
            />

            <div className="cn-title">
              <Link
to={`news/${news.slug}`}>{news.title}</Link>
              </div>
            </div>
          </div>
        )
      )}
    </div>
  </div>
</>
);

const MainNews = (item) => (
  <div className="col-md-4">
    <div className="mn-img">
      <img src={loadImage(item.item.image)} alt={item.item.image} />
    <div className="mn-title">
      <Link to={`news/${item.item.slug}`}>{item.item.title}</Link>
    </div>
  </div>
</div>
);

const Featured = (item) => (
  <div className="tn-news">
    <div className="tn-img">
      <img src={loadImage(item.item.image)} alt={item.item.image} />
    </div>
    <div className="tn-title">
      <Link to={`/news/${item.item.slug}`}>{item.item.title}</Link>
    </div>
  </div>
);

```

```

const PopularNews = (item) => (
  <div className="tn-news">
    <div className="tn-img">
      <img src={loadImage(item.item.image)} alt={item.item.image} />
    </div>
    <div className="tn-title">
      <Link to={` /news/${item.item.slug}`}>{item.item.title}</Link>
    </div>
  </div>
);

const LatestNews = (item) => (
  <div className="tn-news">
    <div className="tn-img">
      <img src={loadImage(item.item.image)} alt={item.item.image} />
    </div>
    <div className="tn-title">
      <Link to={` /news/${item.item.slug}`}>{item.item.title}</Link>
    </div>
  </div>
);

const MostViewed = (item) => (
  <div className="tn-news">
    <div className="tn-img">
      <img src={loadImage(item.item.image)} alt={item.item.image} />
    </div>
    <div className="tn-title">
      <Link to={` /news/${item.item.slug}`}>{item.item.title}</Link>
    </div>
  </div>
);

const MostRead = (item) => (
  <div className="tn-news">
    <div className="tn-img">
      <img src={loadImage(item.item.image)} alt={item.item.image} />
    </div>
    <div className="tn-title">
      <Link to={` /news/${item.item.slug}`}>{item.item.title}</Link>
    </div>
  </div>
);

```

```

const MostRecent = (item) => (
  <div className="tn-news">
    <div className="tn-img">
      <img src={loadImage(item.item.image)} alt={item.item.image} />
    </div>
    <div className="tn-title">
      <Link to={` /news/${item.item.slug}`}>{item.item.title}</Link>
    </div>
  </div>
);

export default function HomePage() {
  const [listOfKategori, setListOfKategori] = useState([]);
  const [topNewsLeft, setTopNewsLeft] = useState([]);
  const [topNewsRight, setTopNewsRight] = useState([]);
  const [mainNews, setMainNews] = useState([]);
  const [featuredItem, setFeaturedItem] = useState([]);
  const [popularNewsItem, setPopularNewsItem] = useState([]);
  const [latestNewsItem, setLatestNewsItem] = useState([]);
  const [mostViewed, setMostViewed] = useState([]);
  const [mostRecent, setMostRecent] = useState([]);
  const [mostRead, setMostRead] = useState([]);

  useEffect(() => {
    document.getElementById('linkAbout').classList.remove('active');
    document.getElementById('linkHome').classList.add('active');
  });

  useEffect(() => {
    // TopNewsLeft
    fetch(
      `http://localhost/gatsby-
news/admin/api/news.php?slug=all&limit=4`
    ).then(async (res) => {
      const json = await res.json();
      const { data } = json;
      data.map((row) => setTopNewsLeft((prevState) => [...prevState,
row]));
    });
  }, []);

  useEffect(() => {
    // TopNewsRight
    fetch(
      `http://localhost/gatsby-

```



```

news/admin/api/news.php?slug=all&limit=4&offset=4`
    ).then(async (res) => {
      const json = await res.json();
      const { data } = json;
      data.map((row) => setTopNewsRight((prevState) => [...prevState,
row]));
    });
  }, []);

useEffect(() => {
  // Kategori
  fetch(`http://localhost/gatsby-
news/admin/api/news.php?slug=all`).then(
    async (res) => {
      const json = await res.json();
      const { data } = json;
      const groupNews = groupBy(data, (n) => n.kategori);
      const toArray = Object.entries(groupNews);
      // eslint-disable-next-line array-callback-return
      toArray.map((item) => {
        setListOfKategori((prevState) => [...prevState, item]);
      });
    }
  );
}, []);

useEffect(() => {
  fetch(
    `http://localhost/gatsby-
news/admin/api/news.php?slug=all&limit=9`
  ).then(async (res) => {
    const json = await res.json();
    const { data } = json;
    // eslint-disable-next-line array-callback-return
    data.map((item) => {
      setMainNews((prevState) => [...prevState, item]);
    });
  });
}, []);

useEffect(() => {
  fetch(`http://localhost/gatsby-
news/admin/api/news.php?slug=all`).then(
    async (res) => {
      const response = await res.json();

```

```

        // eslint-disable-next-line array-callback-return
        response.data.map((item) => {
            // eslint-disable-next-line eqeqeq
            if (item.featured == 1) {
                setFeaturedItem((prevState) => [...prevState, item]);
            }
        });
    }
    );
}, []);

useEffect(() => {
    fetch(`http://localhost/gatsby-
news/admin/api/popular_news.php`).then(
        async (res) => {
            const response = await res.json();
            // eslint-disable-next-line array-callback-return
            response.data.map((item) => {
                setPopularNewsItem((prevState) => [...prevState, item]);
            });
        }
    );
}, []);

useEffect(() => {
    fetch(`http://localhost/gatsby-
news/admin/api/latest_news.php`).then(
        async (res) => {
            const response = await res.json();
            // eslint-disable-next-line array-callback-return
            response.data.map((item) => {
                setLatestNewsItem((prevState) => [...prevState, item]);
            });
        }
    );
}, []);

useEffect(() => {
    fetch(`http://localhost/gatsby-
news/admin/api/popular_news.php`).then(
        async (res) => {
            const response = await res.json();
            // eslint-disable-next-line array-callback-return
            response.data.map((item) => {
                setMostViewed((prevState) => [...prevState, item]);
            });
        }
    );
}, []);

```

```

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

useEffect(() => {
  fetch(`http://localhost/gatsby-
news/admin/api/popular_news.php`).then(
    async (res) => {
      const response = await res.json();
      // eslint-disable-next-line array-callback-return
      response.data.map((item) => {
        setMostRead((prevState) => [...prevState, item]);
      });
    }
  );
}, []);

useEffect(() => {
  fetch(`http://localhost/gatsby-
news/admin/api/latest_news.php`).then(
    async (res) => {
      const response = await res.json();
      // eslint-disable-next-line array-callback-return
      response.data.map((item) => {
        setMostRecent((prevState) => [...prevState, item]);
      });
    }
  );
}, []);

return (
  <Layout>
    {/* top news */}
    <div className="top-news">
      <div className="container">
        <div className="row">
          <div className="col-md-6 tn-left">
            <div className="row tn-slider">
              {topNewsLeft.map((row) => (
                <TopNewsTnLeft
                  img={loadImage(row.image)}
                  slug={row.slug}
                  linkText={row.title}
                />
              )}
            </div>
          </div>
        </div>
      </div>
    </div>
  </Layout>
);

```

```

        )))
    </div>
</div>
<div className="col-md-6 tn-right">
    <div className="row">
        {topNewsRight.map((row) => (
            <TopNewsTnRight
                img={loadImage(row.image)}
                slug={row.slug}
                linkText={row.title}
            />
        )))
    </div>
</div>
</div>
</div>
</div>
</div>
{ /* top news end */}

{ /* category news */}
<div className="cat-news">
    <div className="container">
        <div className="row">
            {listOfKategori.map((item) => (
                <NewsMap kategori={item[0]} item={item[1]} />
            )))
        </div>
    </div>
</div>
{ /* category end */}

{ /* tab news */}
<div className="tab-news">
    <div className="container">
        <div className="row">
            <div className="col-md-6">
                <ul className="nav nav-pills nav-justified">
                    <li className="nav-item">
                        <a
                            className="nav-link active"
                            data-toggle="pill"
                            href="#featured"
                        >
                            Featured News
                        </a>
                    </li>
                </ul>
            </div>
        </div>
    </div>
</div>

```

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        </li>
        <li className="nav-item">
            <a className="nav-link" data-toggle="pill"
href="#popular">
                Popular News
            </a>
        </li>
        <li className="nav-item">
            <a className="nav-link" data-toggle="pill"
href="#latest">
                Latest News
            </a>
        </li>
    </ul>

    <div className="tab-content">
        <div id="featured" className="container tab-pane
active">
            {featuredItem.map((item) => (
                <Featured item={item} />
            ))}
        </div>
        <div id="popular" className="container tab-pane
fade">
            {popularNewsItem.map((item) => (
                <PopularNews item={item} />
            ))}
        </div>
        <div id="latest" className="container tab-pane fade">
            {latestNewsItem.map((item) => (
                <LatestNews item={item} />
            ))}
        </div>
    </div>
</div>

<div className="col-md-6">
    <ul className="nav nav-pills nav-justified">
        <li className="nav-item">
            <a
                className="nav-link active"
                data-toggle="pill"
                href="#m-viewed"
            >
                Most Viewed

```



