



UNIVERSITI TEKNOLOGI MARA

ASSIGNMENT 3

(MINI PROJECT)

SEARCH ENGINE AND WEB NAVIGATION

(CS735)

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1. Introduction

This report explains on using search engine on word press by utilizing the corpus got from assignment 2. Since in assignment 2, I failed to convert corpus into excel file, I manually copy paste each into the excel. Besides that, this report explains on my guidance on creating a search page that display data in excel. In assignment 1, platform use for building website is word press which is the same word press use for others subject as well. To access this page please follow the link as this website currently live by the company I was engage with. <https://www.kopimesin.com/excel-example/> .

2. Word Press Setup

To start, a plugin name wpDataTables are required to be installed. There are two methods of installation, through the website, <https://wpdatatables.com/> and upload the plugin into word press or using word press add new plugin features. By using this, only wpDataTables lite version was installed as the full version is paid version program. Figure 1 below shows the plugin used for installation.

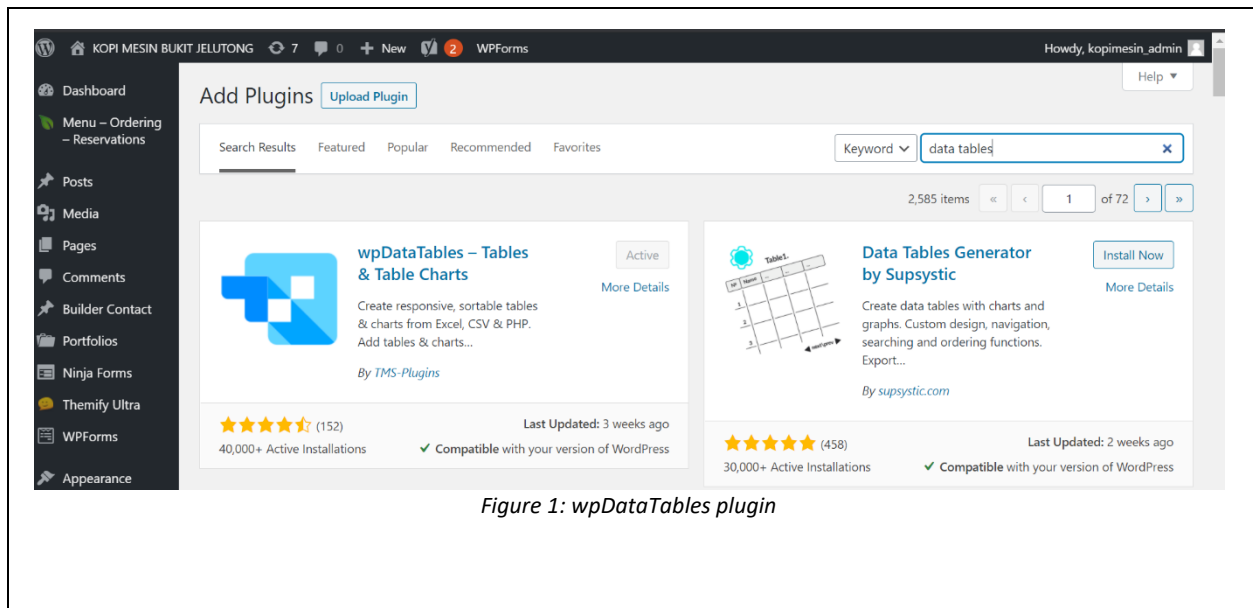


Figure 1: wpDataTables plugin

Next, we will need to open wpDataTables from the option on the admin panels and choose wpDataTables as the Figure 2 shows.

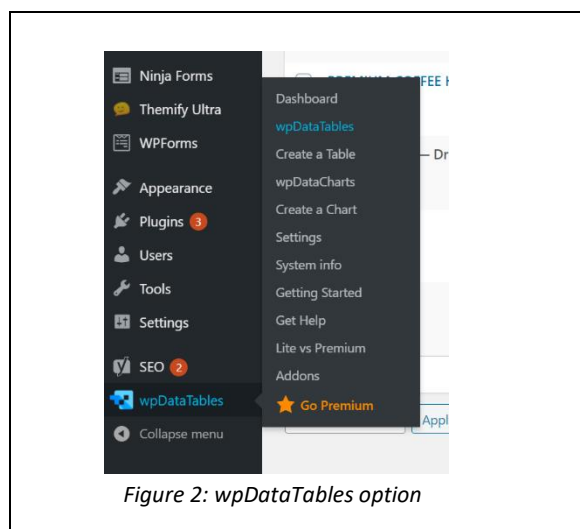
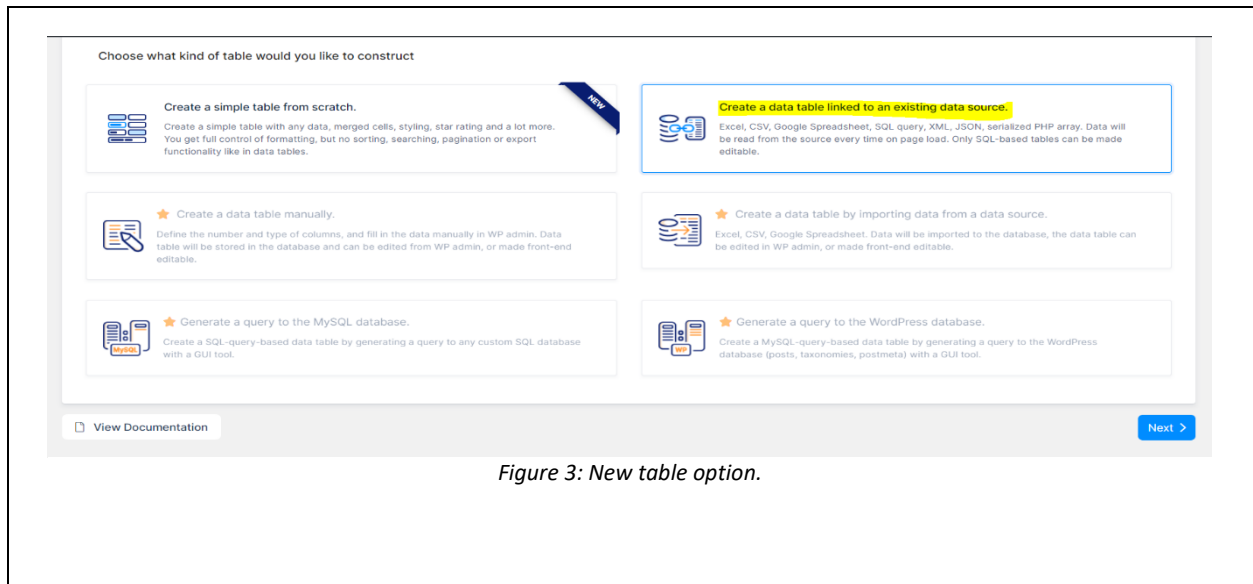
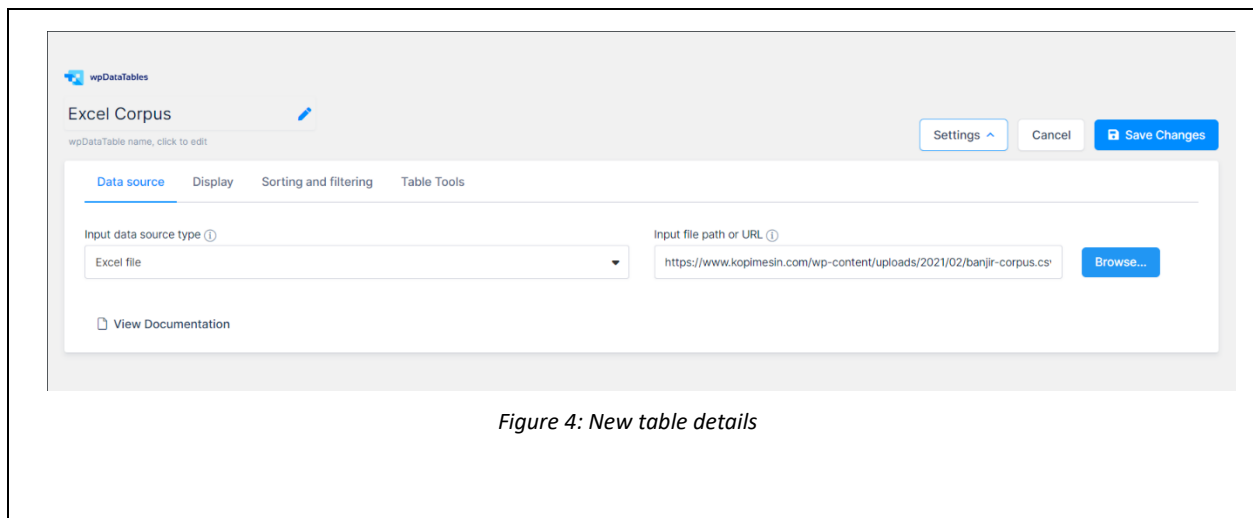


Figure 2: wpDataTables option

Next, the second option was chosen as we will be using our existing excel corpus from assignment 2.



Then, information such as tables name, data source type and file path need to be key in. This tables is named Excel Corpus, which takes excel file types and the path files are pull automatically from browse features.



After we saved, we will be redirected to options of customization which is limited with lite version. The only changes done is additional number of display rows into 50 as we have 500 data and this will reduce the amount of 'Next page' features.

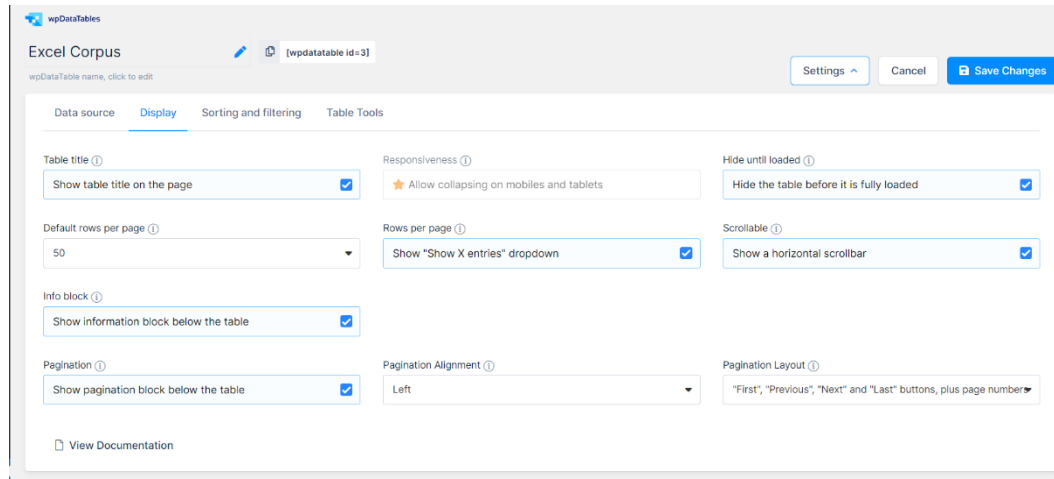


Figure 5: Tables customization

After the plugin setup, we create new page for the purpose of this plugin. The pages named Excel Corpus. Then, we may add any statement or sentence on the header of the page to explain the tables. Since the website makes use of Themify template, all changes of website are done on front-end rather than back end. To insert the tables, just choose wpDataTables from insert block features, and it will automatically pull the tables we just create as Figure 6 shows.

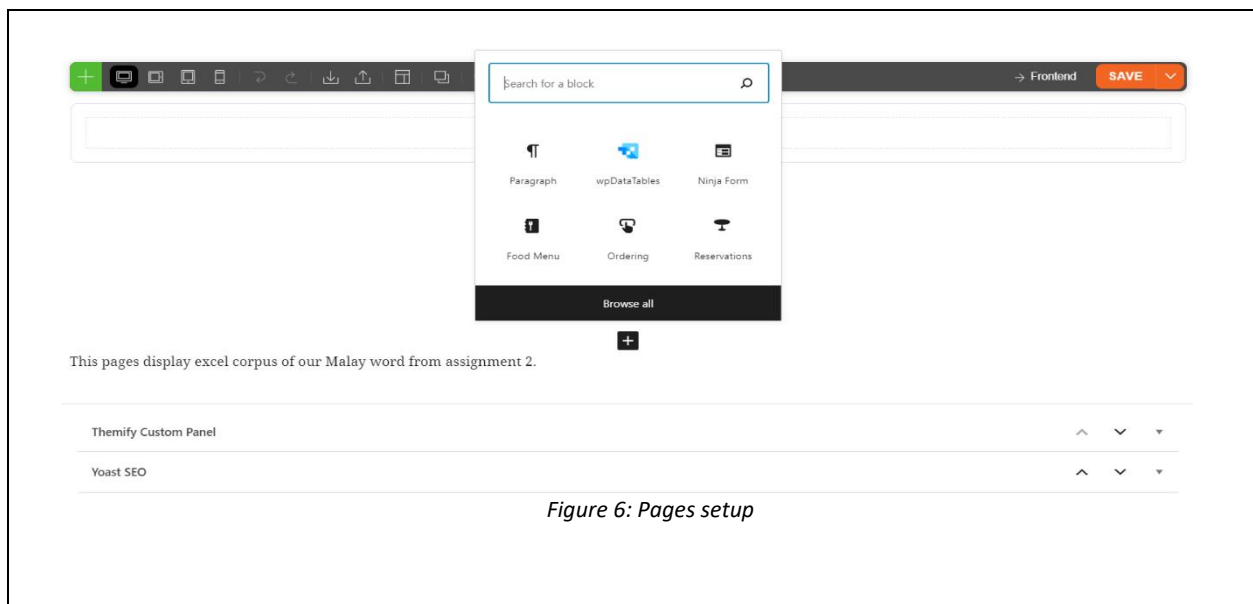


Figure 6: Pages setup

Then, we save and publish the pages to see the tables and updates. To view the pages, we need to directed to <https://www.kopimesin.com/excel-example/>

3. Result

This section will display the results from section 2. The image below shows the layout of changes we implemented.

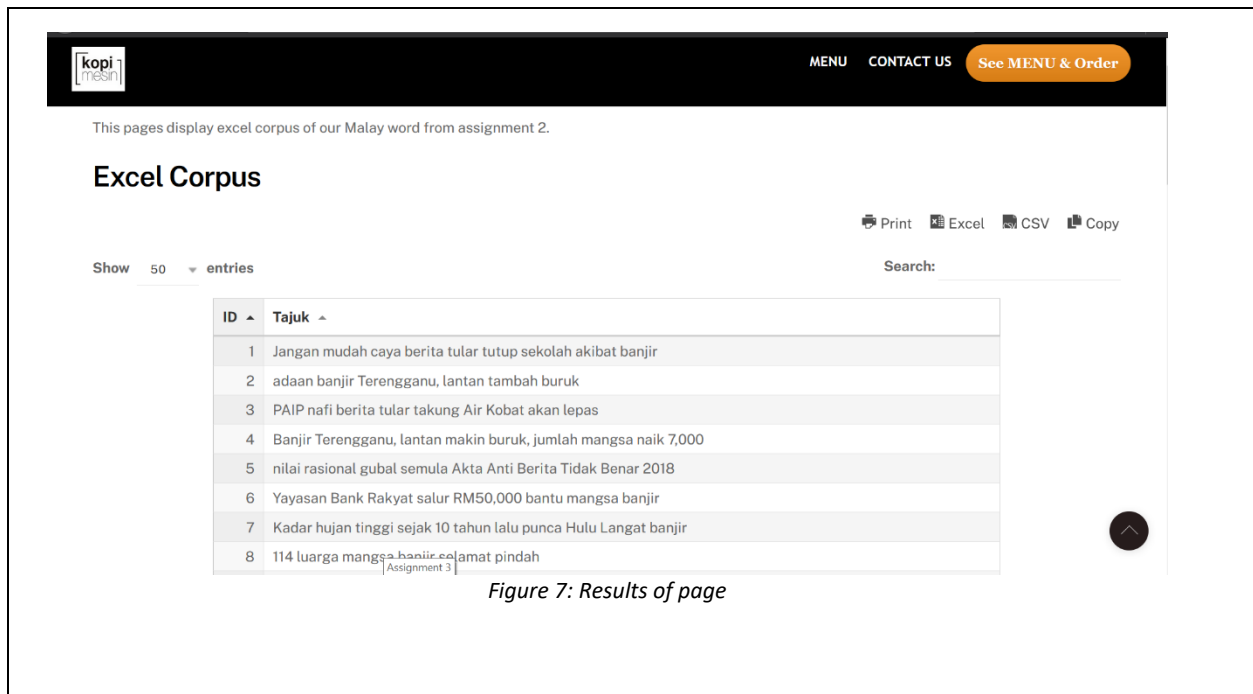


Figure 7: Results of page

We may upload any amount of excel file into our server as long as it can holds it and use the search features to search certain words that we want. This paper will shows result of searching term “banjir” as that is main topic our assignment 2. Results are shown below:

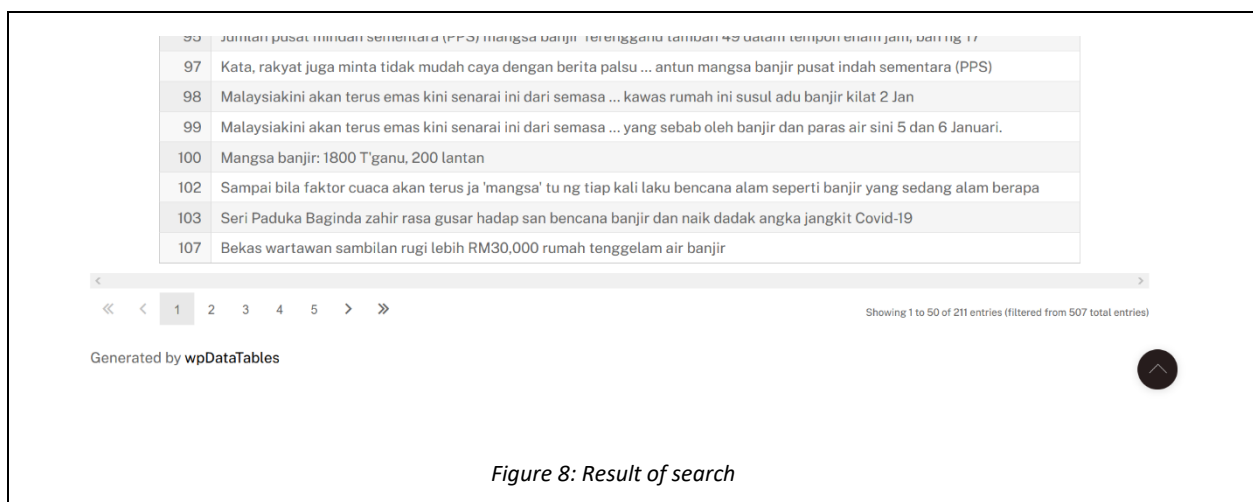


Figure 8: Result of search

We can see that there are 211 results from 507 data that we have, and limit each page to display up to 50 rows.

4. Conclusion

In conclusion, this assignment taught implementation of search engine in real world application and implementation of it brings good and flexibility towards our websites. There are many areas that can be learn more for future knowledge and better implementation of search engine in website and a good web technologist are expected to be an expert in this fields and skills