

INDEKS *FILE* (TEKS) MENGGUNAKAN SWISH-E

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SWISH-e adalah sebuah *tool* yang digunakan untuk meng-indeks teks dalam berbagai format, seperti PDF, html, txt, XML, PostScript, dll. Selain meng-indeks, *tool* ini juga dapat mencari dokumen berdasarkan *query* yang di-*input*-kan. *Tool* ini memiliki banyak fitur/kemampuan yang dimilikinya, contohnya:

- Dapat menentukan *stopword list* yang hendak digunakan
- Dapat Menentukan direktori (berisi file) yang ingin di-indeks
- Dapat Menentukan jenis file yang di-indeks (PDF?, XML?, email?, txt?, html?, dll)
- Bisa melakukan *stemming* (dalam beberapa bahasa)
- *Fast*
- Dapat meng-indeks berita dari suatu *website* (*crawling*)
- Dapat Mencari dokumen yang mengandung *query* yang dimasukkan
- Dan masih banyak lagi -> [Baca Lebih Lanjut](#)

Berikut dijelaskan cara menggunakan *tool* ini.

Langkah pertama yaitu **DOWNLOAD FILE BERISI TEKS** (disini penulis menggunakan TEKS BERITA)

1. Penulis membuat skrip untuk mengunduh berita pada website:

- **KOMPAS**: `src/spider/spider_kompas.go`
- **TEMPO**: `src/spider/spider_tempo.go`
- **ANTARA**:
 - `src/spider/spider_antara.go`
 - `src/spider/spider_antara_oto.go`

2. Tema-tema berita yang di-*download*:

- *Entertainment*/Hiburan
- *Sport*/Olahraga
- Tekno
- Otomotif

3. Bagian-bagian *HTML* yang diambil:

- *Title*/Judul
- Tanggal Terbit
- *Tag* (Opsional)
- *Content*/Isi

4. Berita yang terkumpul Dapat dilihat pada *folder*:

- `kompas/`
- `tempo/`
- `antara/`

5. Selanjutnya dilakukan proses **PREPROCESSING**:

- Menghapus `\n\r`
- Menghapus tanda baca yang dianggap ***TIDAK PENTING**

- Mengubah *spasi* lebih dari satu menjadi satu *spasi*
- *Lowercase every letter*
- Hasil disimpan pada folder:
 - **ALL/**
 - Secara keseluruhan berjumlah: **~55K**

Langkah kedua, **STEMMING**:

1. Pengertian: Mengubah kata ke bentuk dasarnya, contoh:
_ berjalan -> jalan _ memancing -> pancing * menggunakan -> guna
2. Tujuan:
Sebisanya mungkin mengurangi kata yang nantinya akan di-indeks, sehingga jumlah memori yang digunakan semakin sedikit
3. Proses **STEMMING** menggunakan pustaka/modul yang dikembangkan oleh [RadhiFadlillah](#) dalam bahasa **GO**, dimana RadhiFadlillah mengambil referensi dari [andylibrian](#) yang mengembangkannya dalam bahasa PHP.
4. Pustaka (kopi sebahagian dari [README.md](#) [RadhiFadlillah](#))

Algoritma

1. Algoritma Nazief dan Adriani
2. Asian J. 2007. ***Effective Techniques for Indonesian Text Retrieval***. PhD thesis School of Computer Science and Information Technology RMIT University Australia. ([PDF](#) dan [Amazon](#))
3. Arifin, A.Z., I.P.A.K. Mahendra dan H.T. Ciptaningtyas. 2009. ***Enhanced Confix Stripping Stemmer and Ants Algorithm for Classifying News Document in Indonesian Language***, Proceeding of International Conference on Information & Communication Technology and Systems (ICTS). ([PDF](#))
4. A. D. Tahitoe, D. Purwitasari. 2010. ***Implementasi Modifikasi Enhanced Confix Stripping Stemmer Untuk Bahasa Indonesia dengan Metode Corpus Based Stemming***, Institut Teknologi Sepuluh Nopember (ITS) – Surabaya, 60111, Indonesia. ([PDF](#))
5. Tambahan aturan *stemming* dari [kontributor Sastrawi](#).

Kamus Kata Dasar

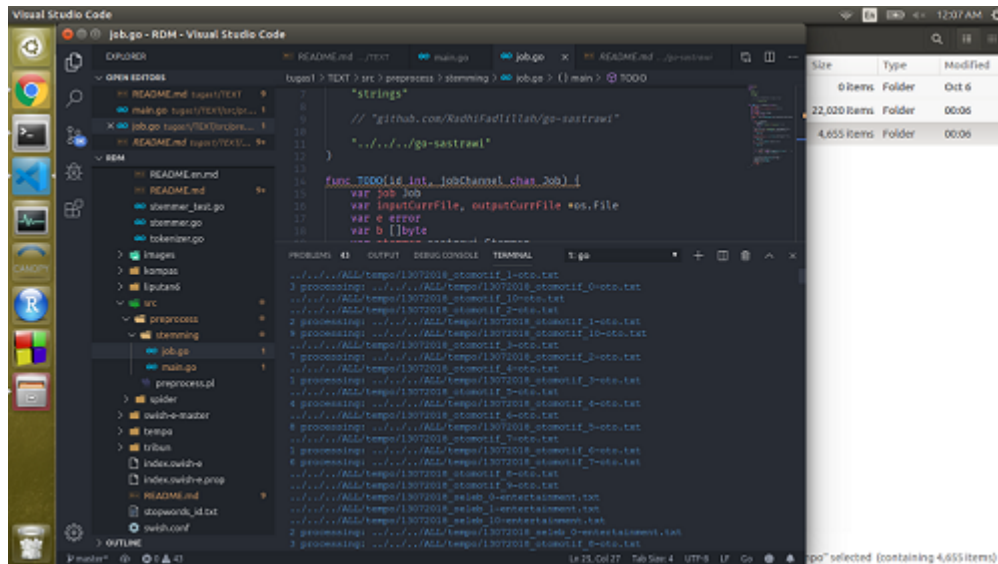
Proses stemming oleh Sastrawi sangat bergantung pada kamus kata dasar. Sastrawi menggunakan kamus kata dasar dari [kateglo.com](#) dengan sedikit perubahan.

Lisensi

Sebagaimana [Sastrawi](#) untuk PHP, [Go-Sastrawi](#) untuk GO, projek ini juga disebar dengan lisensi [MIT](#). Untuk lisensi kamus kata dasar dari Kateglo adalah [CC-BY-NC-SA 3.0](#).

5. Proses **STEMMING** dilakukan menggunakan skrip yang terdapat di folder [src/preprocess/stemming/main.go](#)

6. Cuplikan ketika proses *STEMMING* berlangsung:



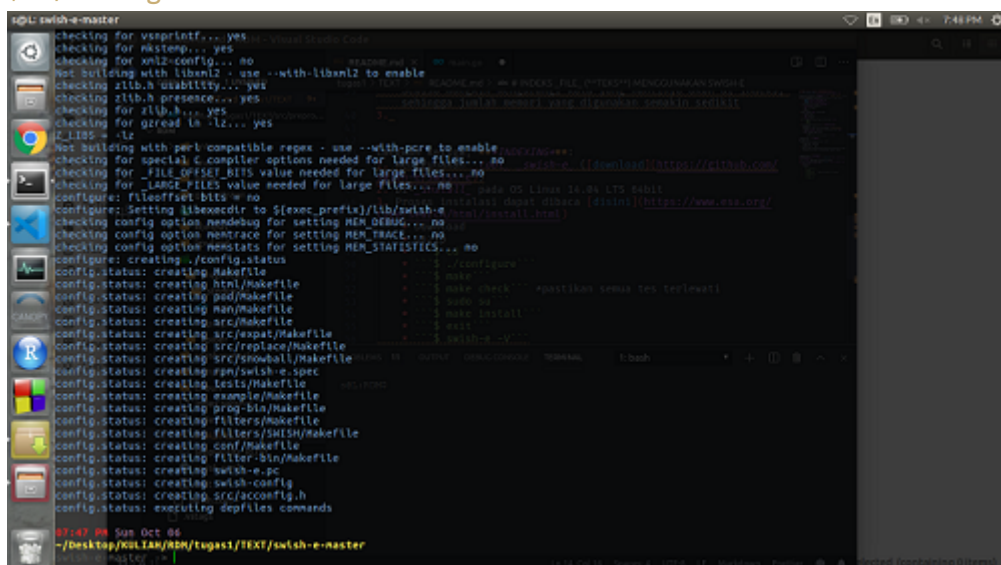
7. Hasil *STEMMING* ditaruh di folder:

- ALL_2/kompas
- ALL_2/tempo
- ALL_2/antara

Langkah ketiga, *INDEXING*:

1. Menggunakan *tool swish-e* ([download](#))
2. Di-*install* pada OS Linux 16.04 LTS 64bit
3. Proses instalasi dapat dibaca [disini](#)

- Download
- Unzip
- \$ cd
- \$./configure



-
- ```

root@kali:~/swish-e-master# make
Making all in filters
make[1]: Entering directory '/home/s/Desktop/KULIAH/RDM/tugasi/TEXT/swish-e-master/filters'
Making all in SWISH
make[2]: Entering directory '/home/s/Desktop/KULIAH/RDM/tugasi/TEXT/swish-e-master/filters/POWISH/POWISH'
make[2]: Leaving directory '/home/s/Desktop/KULIAH/RDM/tugasi/TEXT/swish-e-master/filters/POWISH'
make[2]: Entering directory '/home/s/Desktop/KULIAH/RDM/tugasi/TEXT/swish-e-master/filters/SHWIM'
make[2]: Leaving directory '/home/s/Desktop/KULIAH/RDM/tugasi/TEXT/swish-e-master/filters'
make[2]: Leaving directory '/home/s/Desktop/KULIAH/RDM/tugasi/TEXT/swish-e-master/filters'
make[2]: Leaving directory '/home/s/Desktop/KULIAH/RDM/tugasi/TEXT/swish-e-master/filters'
make[1]: Leaving directory '/home/s/Desktop/KULIAH/RDM/tugasi/TEXT/swish-e-master/filters'
Making all in prog-bin
make[1]: Entering directory '/home/s/Desktop/KULIAH/RDM/tugasi/TEXT/swish-e-master/program-bin'
make[1]: Leaving directory '/home/s/Desktop/KULIAH/RDM/tugasi/TEXT/swish-e-master/program-bin'
Making all in conf
make[1]: Entering directory '/home/s/Desktop/KULIAH/RDM/tugasi/TEXT/swish-e-master/conf'
make[1]: Nothing to be done for 'all'.
make[1]: Leaving directory '/home/s/Desktop/KULIAH/RDM/tugasi/TEXT/swish-e-master/conf'
Making all in filter-bin
make[1]: Entering directory '/home/s/Desktop/KULIAH/RDM/tugasi/TEXT/swish-e-master/filter-bin'
make[1]: Leaving directory '/home/s/Desktop/KULIAH/RDM/tugasi/TEXT/swish-e-master/filter-bin'
Making all in sample
make[1]: Entering directory '/home/s/Desktop/KULIAH/RDM/tugasi/TEXT/swish-e-master/example'
make[1]: Leaving directory '/home/s/Desktop/KULIAH/RDM/tugasi/TEXT/swish-e-master/example'
Making all in HTML
make[1]: Entering directory '/home/s/Desktop/KULIAH/RDM/tugasi/TEXT/swish-e-master/html'
make[1]: Nothing to be done for 'all'.
make[1]: Leaving directory '/home/s/Desktop/KULIAH/RDM/tugasi/TEXT/swish-e-master/html'
Making all in man
make[1]: Entering directory '/home/s/Desktop/KULIAH/RDM/tugasi/TEXT/swish-e-master/man'
make[1]: Nothing to be done for 'all'.
make[1]: Leaving directory '/home/s/Desktop/KULIAH/RDM/tugasi/TEXT/swish-e-master/man'
Making all in src
make[1]: Entering directory '/home/s/Desktop/KULIAH/RDM/tugasi/TEXT/swish-e-master/src'
make all-recursive
make[2]: Entering directory '/home/s/Desktop/KULIAH/RDM/tugasi/TEXT/swish-e-master/src'
Making all in exept
make[3]: Entering directory '/home/s/Desktop/KULIAH/RDM/tugasi/TEXT/swish-e-master/src/exept'
if [/bin/bash ../libtool --tag=CC --mode=compile cc -DHAVE_CONFIG_H -I. -I. -I../src -I../xmlparse -I../xmltok -g -O2 -MT xmltok.lo -MD -MF .deps/xmltok.Tpo -c xmltok.c] > xmltok.o
then mv -f ".deps/xmltok.Tpo" ".deps/xmltok.Plo"; else rm -f ".deps/xmltok.Tpo"; exit 1; fi
mkdir .libs
gcc -DHAVE_CONFIG_H -I. -I. -I../src -I../xmlparse -I../xmltok -g -O2 -MT xmltok.o -MD -MF .deps/xmltok.Tpo -c xmltok.c -fPIC -DPIC -o .libs/xmltok.o

```

- ```

kali@kali:~$ cat /dev/null > /home/s/Desktop/KULIAH/RDN/tugasi/TEXT/swish-e-master/jan'
kali[1]: Leaving directory '/home/s/Desktop/KULIAH/RDN/tugasi/TEXT/swish-e-master/jan'
Making check in src
kali[1]: Entering directory '/home/s/Desktop/KULIAH/RDN/tugasi/TEXT/swish-e-master/src'
Making check in expat
kali[2]: Entering directory '/home/s/Desktop/KULIAH/RDN/tugasi/TEXT/swish-e-master/src/expat'
kali[2]: Nothing to be done for 'check'.
kali[2]: Leaving directory '/home/s/Desktop/KULIAH/RDN/tugasi/TEXT/swish-e-master/src/expat'
Making check in replace
kali[2]: Entering directory '/home/s/Desktop/KULIAH/RDN/tugasi/TEXT/swish-e-master/src/replace'
kali[2]: Nothing to be done for 'check'.
kali[2]: Leaving directory '/home/s/Desktop/KULIAH/RDN/tugasi/TEXT/swish-e-master/src/replace'
Making check in snowball
kali[2]: Entering directory '/home/s/Desktop/KULIAH/RDN/tugasi/TEXT/swish-e-master/src/snowball'
kali[2]: Nothing to be done for 'check'.
kali[2]: Leaving directory '/home/s/Desktop/KULIAH/RDN/tugasi/TEXT/swish-e-master/src/snowball'
kali[2]: Entering directory '/home/s/Desktop/KULIAH/RDN/tugasi/TEXT/swish-e-master/src'
kali[2]: Leaving directory '/home/s/Desktop/KULIAH/RDN/tugasi/TEXT/swish-e-master/src'
kali[1]: Leaving directory '/home/s/Desktop/KULIAH/RDN/tugasi/TEXT/swish-e-master/src'
Making check in tests
kali[1]: Entering directory '/home/s/Desktop/KULIAH/RDN/tugasi/TEXT/swish-e-master/tests'
make check-tests
kali[2]: Entering directory '/home/s/Desktop/KULIAH/RDN/tugasi/TEXT/swish-e-master/tests'
PASS: check_index
PASS: check_search
PASS: check_metasearch
PASS: check_fuzzy
=====
All 4 tests passed
make[1]: Leaving directory '/home/s/Desktop/KULIAH/RDN/tugasi/TEXT/swish-e-master/tests'
kali[1]: Leaving directory '/home/s/Desktop/KULIAH/RDN/tugasi/TEXT/swish-e-master/tests'
Making check in pod
kali[1]: Entering directory '/home/s/Desktop/KULIAH/RDN/tugasi/TEXT/swish-e-master/pod'
kali[1]: Nothing to be done for 'check'.
kali[1]: Leaving directory '/home/s/Desktop/KULIAH/RDN/tugasi/TEXT/swish-e-master/pod'
kali[1]: Entering directory '/home/s/Desktop/KULIAH/RDN/tugasi/TEXT/swish-e-master'
kali[1]: Nothing to be done for 'check-an'.
kali[1]: Leaving directory '/home/s/Desktop/KULIAH/RDN/tugasi/TEXT/swish-e-master'

B7:49 PM Sun Oct 26
~/Desktop/KULIAH/RDN/tugasi/TEXT/swish-e-master
git
14.14.201.15 - 2020-10-26 17:49:49 - swish-e-master - [root@kali:~/Desktop/KULIAH/RDN/tugasi/TEXT/swish-e-master]

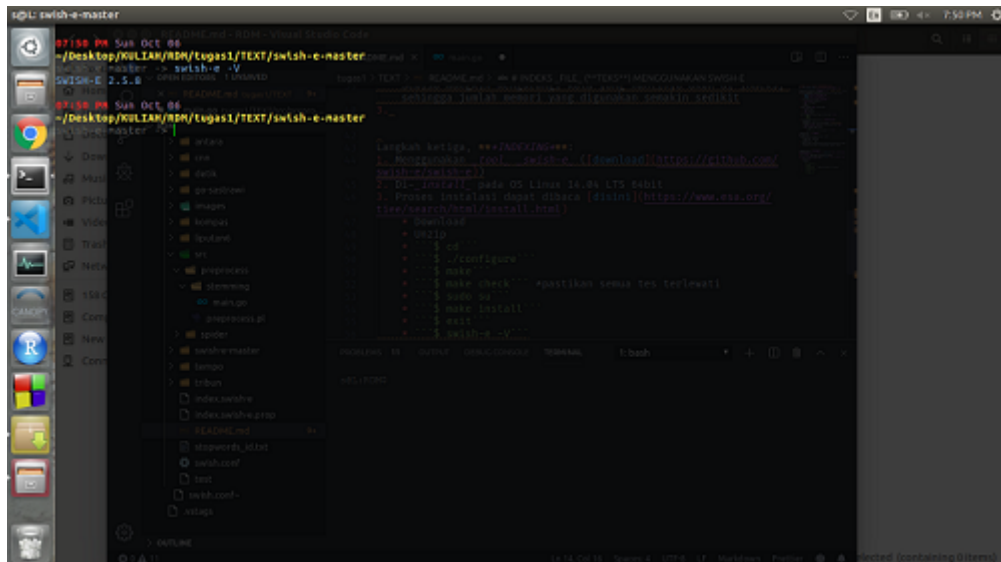
```

- ```
root@kali: /home/s/Desktop/KULIAH/RDM/tugas1/TEXT/swish-e-master
test -z "/usr/local/include" || mkdir -p -- "/usr/local/include"
/usr/bin/install -c -m 644 "swish-e.h" "/usr/local/include/swish-e.h"
make[3]: Leaving directory /home/s/Desktop/KULIAH/RDM/tugas1/TEXT/swish-e-master/src/
make[2]: Leaving directory /home/s/Desktop/KULIAH/RDM/tugas1/TEXT/swish-e-master/src/
make[1]: Leaving directory /home/s/Desktop/KULIAH/RDM/tugas1/TEXT/swish-e-master/src/
making install in tests
make[1]: Entering directory /home/s/Desktop/KULIAH/RDM/tugas1/TEXT/swish-e-master/tests/
make[2]: Entering directory /home/s/Desktop/KULIAH/RDM/tugas1/TEXT/swish-e-master/tests/
make[2]: Nothing to be done for "install-exec-am".
make[2]: Nothing to be done for "install-data-am".
make[2]: Leaving directory /home/s/Desktop/KULIAH/RDM/tugas1/TEXT/swish-e-master/tests/
make[1]: Leaving directory /home/s/Desktop/KULIAH/RDM/tugas1/TEXT/swish-e-master/tests/
making install in pod
make[1]: Entering directory /home/s/Desktop/KULIAH/RDM/tugas1/TEXT/swish-e-master/pod/
make[2]: Entering directory /home/s/Desktop/KULIAH/RDM/tugas1/TEXT/swish-e-master/pod/
make[2]: Nothing to be done for "install-exec-am".
test -z "/usr/local/share/doc/swish-e-pod" || mkdir -p -- "/usr/local/share/doc/swish-e-pod"
/usr/bin/install -c -m 644 "CHANGES.pod" /usr/local/share/doc/swish-e-pod/CHANGES.pod
/usr/bin/install -c -m 644 "INSTALL.pod" /usr/local/share/doc/swish-e-pod/INSTALL.pod
/usr/bin/install -c -m 644 "README.pod" /usr/local/share/doc/swish-e-pod/README.pod
/usr/bin/install -c -m 644 "SWISH-FAQ.pod" /usr/local/share/doc/swish-e-pod/SWISH-FAQ.pod
/usr/bin/install -c -m 644 "SWISH-BUGS.pod" /usr/local/share/doc/swish-e-pod/SWISH-BUGS.pod
/usr/bin/install -c -m 644 "SWISH-CONFIG.pod" /usr/local/share/doc/swish-e-pod/SWISH-CONFIG.pod
/usr/bin/install -c -m 644 "SWISH-e.pod" /usr/local/share/doc/swish-e-pod/swish-e.pod
/usr/bin/install -c -m 644 "SWISH-FAQ.pod" /usr/local/share/doc/swish-e-pod/SWISH-FAQ.pod
/usr/bin/install -c -m 644 "SWISH-SEARCH.pod" /usr/local/share/doc/swish-e-pod/SWISH-SEARCH.pod
/usr/bin/install -c -m 644 "SWISH-RUN.pod" /usr/local/share/doc/swish-e-pod/SWISH-RUN.pod
/usr/bin/install -c -m 644 "SWISH-SEARCH.pod" /usr/local/share/doc/swish-e-pod/SWISH-SEARCH.pod
make[1]: Leaving directory /home/s/Desktop/KULIAH/RDM/tugas1/TEXT/swish-e-master/pod/
make[1]: Leaving directory /home/s/Desktop/KULIAH/RDM/tugas1/TEXT/swish-e-master/pod/
make[1]: Entering directory /home/s/Desktop/KULIAH/RDM/tugas1/TEXT/swish-e-master/
make[2]: Entering directory /home/s/Desktop/KULIAH/RDM/tugas1/TEXT/swish-e-master/
test -z "/usr/local/bin" || mkdir -p -- "/usr/local/bin"
/usr/bin/install -c "swish-config" /usr/local/bin/swish-config
test -z "/usr/local/share/doc/swish-e" || mkdir -p -- "/usr/local/share/doc/swish-e"
/usr/bin/install -c -m 644 "INSTALL" /usr/local/share/doc/swish-e/INSTALL
/usr/bin/install -c -m 644 "README" /usr/local/share/doc/swish-e/README
/usr/bin/install -c -m 644 "README.cvs" /usr/local/share/doc/swish-e/README.cvs
test -z "/usr/local/lib/pkgconfig" || mkdir -p -- "/usr/local/lib/pkgconfig"
/usr/bin/install -c -m 644 "swish-e.pc" /usr/local/lib/pkgconfig/swish-e.pc
make[1]: Leaving directory /home/s/Desktop/KULIAH/RDM/tugas1/TEXT/swish-e-master/
make[1]: Leaving directory /home/s/Desktop/KULIAH/RDM/tugas1/TEXT/swish-e-master/
root@kali: /home/s/Desktop/KULIAH/RDM/tugas1/TEXT/swish-e-master
```

- 4 / 9

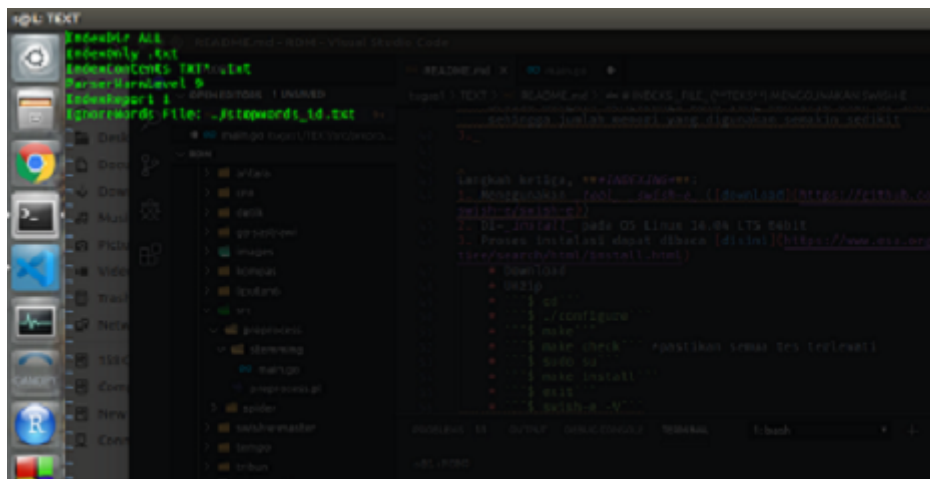


- \$ `swish-e -V` SWISH-E 2.5.8

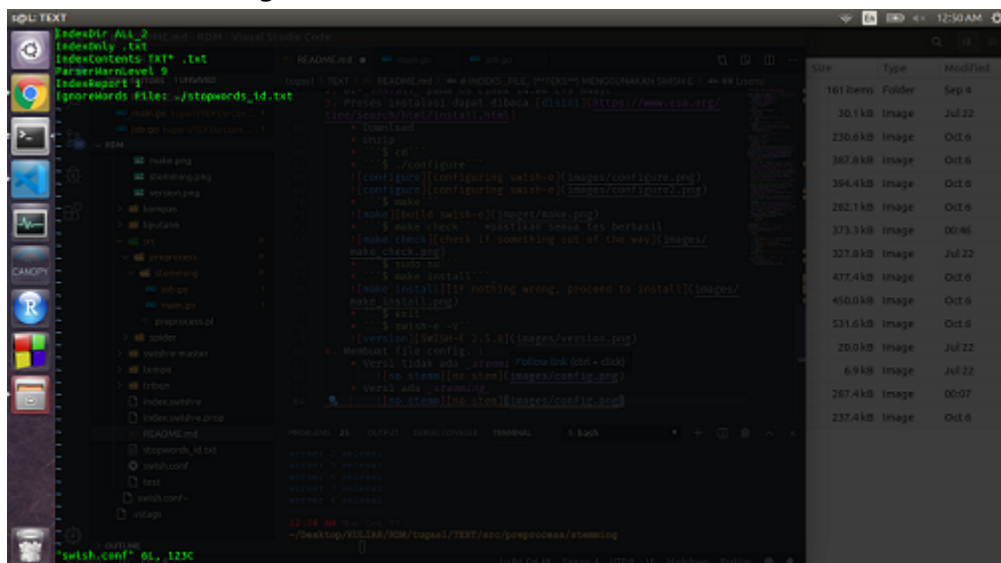


#### 4. Membuat file config. : [BACA LEBIH LANJUT](#)

- Versi tidak ada *stemming*



- Versi ada *stemming*



- Konfigurasi proses peng-indeks-an tercantum dalam *file* config yang telah dibuat: **swish.conf**. \*Perlu diperhatikan adanya pemangkasan kata umum (*common words*)

(*stopwords*) menggunakan data *stopwords* bahasa indonesia (**stopwords\_id.txt**) yang dapat di-download melalui link [ini](https://sites.google.com/site/kevinbougue/stopwords-lists). Data *Stopwords* ini didapat pada *website* [sites.google.com/site/kevinbougue/stopwords-lists](https://sites.google.com/site/kevinbougue/stopwords-lists).

```
IndexFile ./indeks.swish-e
IndexDir ALL_2
IndexOnly .txt
IndexContents TXT* .txt
ParserWarnLevel 9
IndexReport 1
IgnoreWords File: ./stopwords_id.txt
```

swish.conf

- no stem  
IndexDir ALL
- with stem  
IndexDir ALL\_2

6. Dapat dilihat *file* yang diindeks berjumlah **56295 files**

7. Waktu peng-indeks-an: **~10 menit**

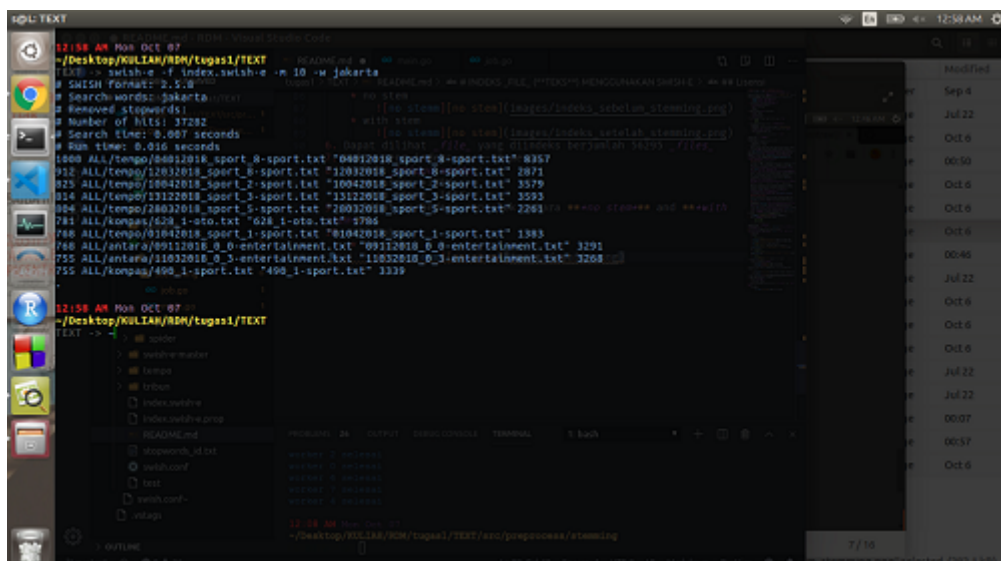
8. Jumlah *Unique words*:

- no stem: **~186K**
- with stem: **~162K**

9. Terlihat perbedaan mencolok antara ***no stem*** dan ***with stem*** dalam hal jumlah *Unique words*

10. Uji Coba *search* sebuah kata:

- no stem



- with stem

```

12:57 AM Mon Oct 07
~/Desktop/KULIAH/RM/tugas1/TEXT
TEXT -> swish-e -f index_after_stemmed.swish-e -m 10 -w jakarta
SWISH Format: 2.5.0
Search words: jakarta
Removed stopwords:
Number of hits: 37281
Search time: 0.009 seconds
Run time: 0.016 seconds
1000 ALL_2/tempo/04012018_sport_8-sport.txt "04012018_sport_8-sport.txt" 7972
1012 ALL_2/tempo/12032018_sport_8-sport.txt "12032018_sport_8-sport.txt" 2785
1025 ALL_2/tempo/10042018_sport_2-sport.txt "10042018_sport_2-sport.txt" 3448
1034 ALL_2/tempo/13122018_sport_3-sport.txt "13122018_sport_3-sport.txt" 3228
1044 ALL_2/tempo/20032018_sport_1-sport.txt "20032018_sport_1-sport.txt" 2164
1041 ALL_2/tempo/02012018_sport_5-sport.txt "02012018_sport_5-sport.txt" 2164
1048 ALL_2/tempo/02012018_sport_11-sport.txt "02012018_sport_11-sport.txt" 1832
1058 ALL_2/tempo/09112018_0-0-entertainment.txt "09112018_0-0-entertainment.txt" 2984
1068 ALL_2/tempo/01042018_sport_1-sport.txt "01042018_sport_1-sport.txt" 1305
1075 ALL_2/tempo/02112018_1-5-entertainment.txt "02112018_1-5-entertainment.txt" 2100
1075 ALL_2/tempo/02042018_sport_11-sport.txt "02042018_sport_11-sport.txt" 1832

```

- Perbedaannya tidak terlalu jauh dari hal jumlah dokumen yang berhasil ditemukan menggunakan kata tersebut.

11. Jika ingin mencari dokumen dengan jumlah kata lebih dari satu, maka gunakan tanda petik dua ("[query]"), contohnya `swish-e -f [index.swish-e] -m 10 -w "jakarta bandung surabaya"`. Query tersebut akan mencari dokumen yang mengandung kata **jakarta AND bandung AND surabaya**. Jika dalam query tersebut ada kata yang terdapat dalam daftar *stopword*, maka akan dihapus/dilewatkan/tidak di proses. Argument dari parameter `-f` adalah nama file hasil *indexing* (default: `index.swish-e`).

- Query: "jakarta bandung surabaya" atau **jakarta AND bandung AND surabaya**  
Hit: 390

```

03:07 AM Sat Oct 12
~/Desktop/KULIAH/RM/tugas1/TEXT
TEXT -> swish-e -f index_after_stemmed.swish-e -m 10 -w jakarta AND bandung AND surabaya
SWISH Format: 2.5.0
Search words: jakarta AND bandung AND surabaya
Removed stopwords:
Number of hits: 390
Search time: 0.006 seconds
Run time: 0.015 seconds
1000 ALL_2/tempo/12032018_sport_8-sport.txt "12032018_sport_8-sport.txt" 2785
1012 ALL_2/tempo/10042018_sport_2-sport.txt "10042018_sport_2-sport.txt" 3448
1036 ALL_2/tempo/20032018_sport_5-sport.txt "20032018_sport_5-sport.txt" 2164
1048 ALL_2/tempo/02042018_sport_11-sport.txt "02042018_sport_11-sport.txt" 1832
1058 ALL_2/tempo/01042018_sport_1-sport.txt "01042018_sport_1-sport.txt" 1305
1075 ALL_2/tempo/02112018_1-5-entertainment.txt "02112018_1-5-entertainment.txt" 2100
1075 ALL_2/tempo/09032017_sport_8-sport.txt "09032017_sport_8-sport.txt" 2408

```

- Query: "pandji pragiwaksono dan raditya dika"  
Hit: 8

```

03:07 AM Sat Oct 12
~/Desktop/KULIAH/SEM/tugas1/TEXT
TEXT --
./Desktop/KULIAH/SEM/tugas1/TEXT
SWISH Format: 2.5.0
Search words: pandji pragiwaksono dan raditya dika
Removed stopwords: dan
Number of hits: 0
Search time: 0.001 seconds
Run time: 0.070 seconds
1000 ALL_2/kompas/565_5-entertainment.txt "565_5-entertainment.txt" 1235
982 ALL_2/kompas/545_8-entertainment.txt "545_8-entertainment.txt" 1541
982 ALL_2/kompas/313_9-entertainment.txt "313_9-entertainment.txt" 1455
948 ALL_2/kompas/545_8-entertainment.txt "545_8-entertainment.txt" 1356
710 ALL_2/kompas/583_6-entertainment.txt "583_6-entertainment.txt" 1276
986 ALL_2/kompas/513_7-entertainment.txt "513_7-entertainment.txt" 1076
475 ALL_2/kompas/545_8-entertainment.txt "545_8-entertainment.txt" 1356
475 ALL_2/kompas/545_8-entertainment.txt "545_8-entertainment.txt" 1781

```

Dapat di-intepret sebagai: "cari dokumen yang mengandung kata **pandji AND pragiwaksono AND dan AND raditya AND dika**"

Kata 'dan' tidak diproses karena termasuk dalam daftar *stopwords*

- Query: "raditya dika AND NOT pandji pragiwaksono" dan "raditya dika OR pandji pragiwaksono"

Hit: 0 dan 71

Dapat di-intepret sebagai:

- "cari dokumen yang mengandung kata **raditya AND dika** tapi tidak ada kata **pandji AND pragiwaksono**"
- "cari dokumen yang mengandung kata **raditya AND dika** atau **pandji AND pragiwaksono**"

```

03:09 AM Sat Oct 12
~/Desktop/KULIAH/SEM/tugas1/TEXT
TEXT --
./Desktop/KULIAH/SEM/tugas1/TEXT
SWISH Format: 2.5.0
Search words: raditya dika AND NOT pandji pragiwaksono
Removed stopwords:
Number of hits: 0
Search time: 0.001 seconds
Run time: 0.001 seconds
1000 ALL_2/antara/25872018_1_3-entertainment.txt "25872018_1_3-entertainment.txt" 3485
920 ALL_2/kompas/313_9-entertainment.txt "313_9-entertainment.txt" 1455
982 ALL_2/tempo/19832018_seleb_6-entertainment.txt "19832018_seleb_6-entertainment.txt" 2061
791 ALL_2/tempo/06862018_seleb_1-entertainment.txt "06862018_seleb_1-entertainment.txt" 1500
784 ALL_2/kompas/545_8-entertainment.txt "545_8-entertainment.txt" 1356
784 ALL_2/kompas/585_5-entertainment.txt "585_5-entertainment.txt" 1135
780 ALL_2/kompas/545_8-entertainment.txt "545_8-entertainment.txt" 1541
710 ALL_2/tempo/19832018_seleb_4-entertainment.txt "19832018_seleb_4-entertainment.txt" 1685
710 ALL_2/tempo/19832018_seleb_11-entertainment.txt "19832018_seleb_11-entertainment.txt" 1882
782 ALL_2/tempo/20872018_seleb_18-entertainment.txt "20872018_seleb_18-entertainment.txt" 1212

```

Parameter `-m [n]` digunakan untuk menampilkan *top n* dokumen, misalkan `-m 10` menampilkan 10 dokumen teratas.

## 12. Arti dari Output (format):

- Kolom-1: Ranking
- Kolom-2: Lokasi dokumen/file
- Kolom-3: Judul>Nama dokumen/file
- Kolom-4: Size/Ukuran dokumen (dalam *bytes*) **BACA LEBIH LANJUT**



## ---Download---

Semua file yang digunakan dalam proyek ini dapat di unduh pada link berikut [UNDUH FILE](#)

github

Versi enak dilihat -> [link](#)

## Data

File konfigurasi dapat dilihat [di sini](#)