Penulusuran dan evaluasi sumber Informasi



Head of Library & Knowledge Center
Binus University

Pelatihan Instruktur Literasi Informasi (PILI 2)
Kalbis Institute
7 – 10 November 2016

Information Resources



Adapted from http://www.flickr.com/photos/josephrobertson/127758523

Information Resources



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Information Literacy Competency Standards for Higher Education

<http://www.ala.org/acrl/standards/informationliteracycompetency>



Information literacy is a set of abilities requiring individuals to "recognize when information is needed and have the ability to locate, evaluate, and use effectively the needed information."
(ALA, 1989)

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Information Literacy Competency Standards for Higher Education <http://www.ala.org/acrl/standards/informationliteracycompetency>

Seorang yang literat informasi mampu:

1. menentukan sifat dan cakupan kebutuhan informasinya ;
2. mengakses informasi yang dibutuhkan secara efektif dan efisien;
3. mengevaluasi informasi dan sumbernya secara kritis dan menggabungkan informasi terpilih tersebut ke dalam pengetahuan dan sistem nilainya;
4. menggunakan informasi secara efektif untuk mencapai tujuan tertentu;
5. memahami isu-isu ekonomi, hukum, dan sosial seputar penggunaan informasi, akses informasi serta penggunaan informasi secara etis dan legal.

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Baskoro, D.G. & Jonatan, E.M. (2015).
Kompetensi Literasi Informasi Pustakawan Universitas Swasta di Lingkungan Kopertis Wilayah III
Jakarta: PNRI.



Standar ACRL 2000	Pengetahuan (0 – 4)	Keterampilan (0% - 100%)
Standar 2 Akses informasi	2.85 (Baik)	33.84% (Sangat rendah)
Siswa yang literat informasi mampu mengakses informasi yang dibutuhkan secara efektif dan efisien	• Menggunakan kata kunci • Mengenali beragam indeks *online* • Menggunakan strategi penelusuran *online*	• Operator Boolean “OR”, “AND”, “NOT” • Indeks pencarian • Kosakata terkendali • Sintaks intitle: • Sintaks site: • Sintaks filetype: • *Online database* • *Search engine* • *Meta search engine* • *Semantic search engine* • *Directory*
Standar 3 Evaluasi informasi & sumbernya	2.57 (Baik)	37.91% (Sangat rendah)
Siswa yang literat informasi dapat mengevaluasi informasi beserta sumbernya secara kritis dan menggabungkan informasi terpilih tersebut ke dalam pengetahuan dan sistem	• Rubrik evaluasi informasi • Membedakan fakta, opini, pernyataan • Mengenali prasangka, bias dan kebohongan	• *Domain website* • Prinsip otoritatif • Mengevaluasi informasi • Fakta, opini pernyataan • Objektifitas • Prinsip *up-to-date*

Information Resources



INTERNET

- **Subscribed Databases**
  - University
  - DIKTI
  - PNRI
- **Free Resources**
  - DOAJ, OneSearch, etc.
  - via Search Engines

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Subscribed Databases

E-Books : AccessMedicine, Ebrary, EBSCO

E-Journals : Emerald, EBSCO Academic Search Complete, EBSCO Business Source Premier, EBSCO ATLA JSTOR, Lexis, SpringerLink

E-Journals : ProQuest Agricultural & Environmental Science Database

ProQuest Arts & Humanities Database

ProQuest Technology Collection

E-Books : ALA, Cengage, Ebrary, IGI Global, etc.

E-Journals : EBSCO, ProQuest, etc.

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Free Resources



- https://doaj.org/
- A community-curaed online directory that indexes & provides access to high quality, open access, peer-reviewed journals.

Indonesia OneSearch

- http://onesearch.id/
- Portal koleksi digital seluruh perpustakaan di Indonesia.
- Koleksi e-resources (subscribed databases) bisa diakses via online registration PNRI.

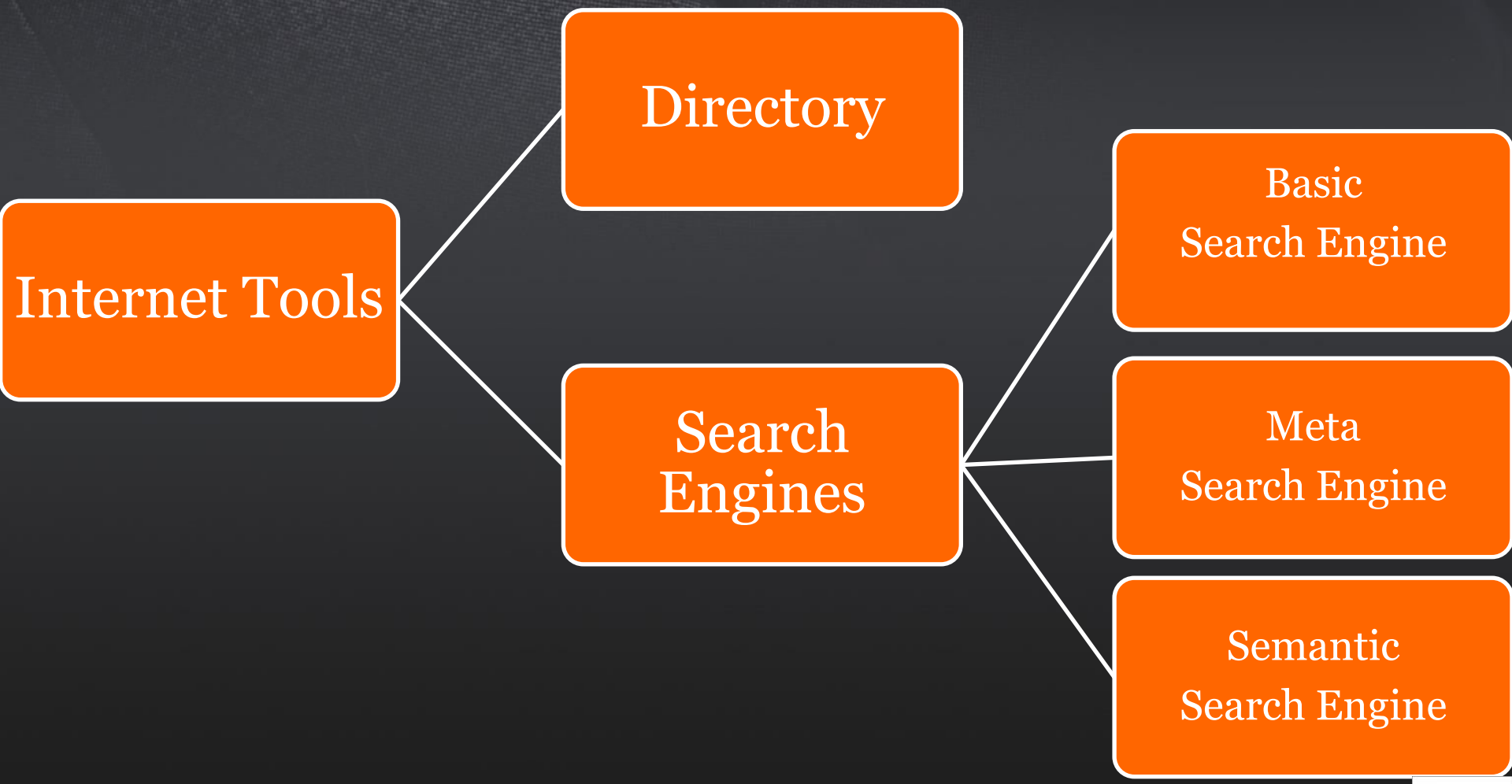
Exercise 1

Carilah artikel *full-text* dari jurnal ilmiah tentang literasi informasi di perpustakaan perguruan tinggi yang terbit antara tahun 2014 – 2016 dalam Bahasa Inggris dari databases di bawah.

Subscribed - PNRI (ProQuest)
Free Resources - DOAJ

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Searching via Internet Tools



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Directory



Directory

What

A collection of websites organized by category and sub-category.

How

Created & maintained by groups of people (editors or subject experts) who make decisions on what to include in each category.

Why

* Not certain about exactly what we want and where to find the topic.
* Tend to work best as we search by key words or use the listed topics to browse the relevant websites.

e.g. DMOZ <http://www.dmoz.org/>

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Search Engines



Search Engines

What

Programs that run on a particular web site so they search the web pages or web objects (i.e. PDF files).

How

Use the software called “spiders” and “robots” to identify the web and search web pages for keywords. Each software used by each search engine works differently so it will produce different results.

Why

* Know exactly what we are looking for, and where to find it.
* Search for specific/complex information; by using searching skills (techniques & strategy) will improve the results.

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Search Engines: Types



Search Engines

Basic/Individual Search Engine

Compile their own searchable databases on the web.

i.e. Google <www.google.com>

Meta Search Engine

Search the databases of multiple sets of individual engines simultaneously.

i.e. Dogpile <www.dogpile.com/>

Semantic Search Engine

Search the words in the context in which the words are being used, resulting in more relevant results.

i.e. Duckduckgo <https://duckduckgo.com>

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Searching via Google



Yes when using the

Google Syntax & Boolean Operators

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Searching Techniques



Google Syntax	Function	Sample
Define	Search definition for a word	define:angklung
calculator (type “calculator”)	Show the calculator function	calculator
time	Show the current time of a certain place	time bandung
map	Show the map of a certain place	map bandung
intitle:	Search in the title of the webpage	intitle:angklung
inurl:	Search in page URLs	inurl:angklung
site:	Search within the site	site:edu
filetype:	Find a type of file: PDF, PPT, DOC …	angklung filetype:pdf

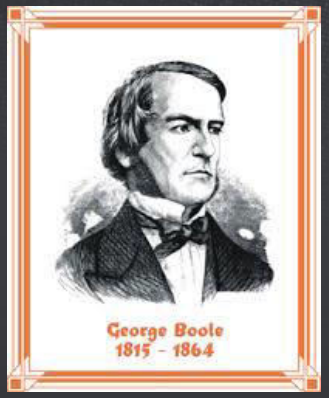
Searching Techniques



Google Syntax	Function	Sample
“ “	To search the exact word in that exact order without any change	“batik tulis” AND Lasem
( )	To clarify relationship between search terms. By using nesting, the items in parentheses ( ) will be searched first.	(hybrid OR electric) AND (Toyota OR Honda)
* (truncation symbol)	To broaden the search to include various word endings and spellings	child* -> child, children, childhood
* (wildcard symbol)	Similar to truncation, wildcards substitute a symbol for one letter of a word. It’s for words that are spelled differently, but has the same meaning.	colo*r -> color (American spelling), colour (British spelling)

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Boolean Operators

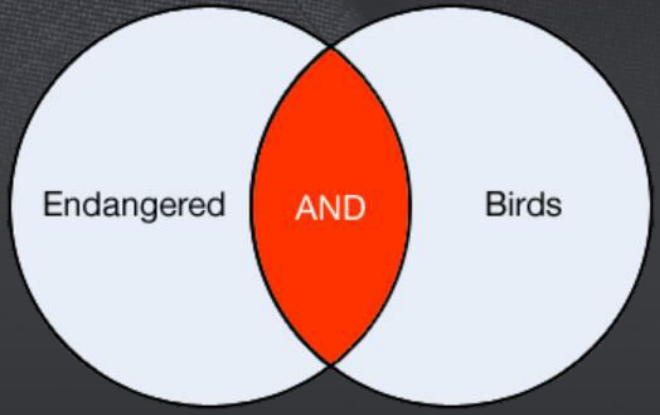


Boolean logic takes its name from British mathematician George Boole (1815-1864), who wrote about a system of logic designed to produce better search results by formulating precise queries. They're Boolean logic and its operators: AND, OR, and NOT, which we use to link words and phrases for more precise queries.

http://www.sc.edu/beaufort/library/pages/bones/lesson8.shtml

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Boolean Operators: AND



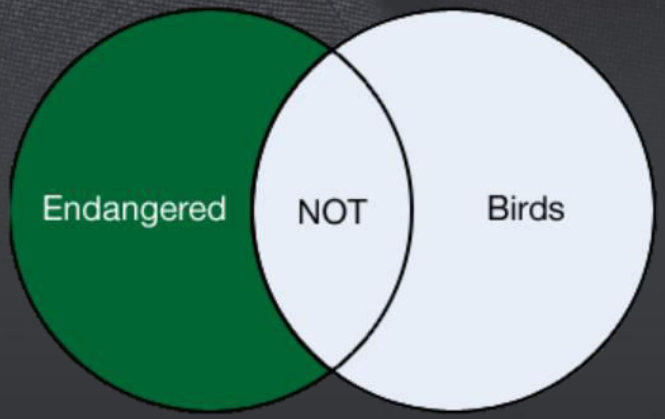
"AND" (+)

To narrow the results that ALL search terms must be present in the resulting records

e.g. endangered AND birds = endangered +birds

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Boolean Operators: OR



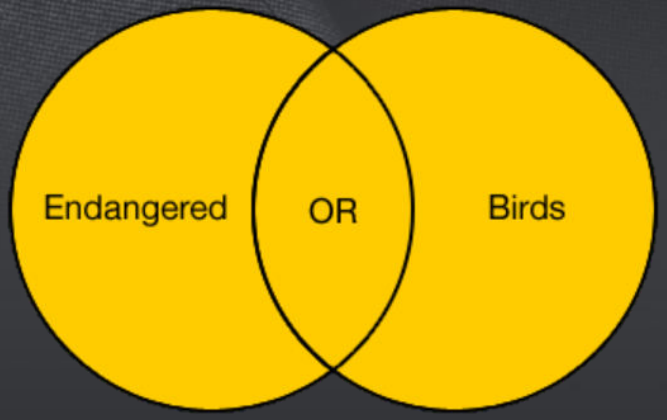
"NOT" (-)

To narrow the search by excluding words from the search

e.g. endangered NOT birds = endangered -birds

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Boolean Operators: AND - OR - NOT



"OR"

To broaden the results that ANY of the search terms can be present in the resulting records

e.g. endangered OR birds

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Exercise 2

Carilah dokumen di bawah dengan google syntax dan boolean operator pada google.com.

1. Mencari informasi tentang semua sejarah batik tulis dari Lasem dengan alamat situs yang mengandung kata batik.
2. Mencari informasi mengenai data populasi harimau di pulau sumatra dalam situs pemerintah indonesia.
3. Mencari semua dokumen tentang alat musik tradisional indonesia tapi bukan angklung dengan format pdf.
4. Mencari semua dokumen mengenai masalah kemiskinan di Indonesia pada situs pemerintahan Indonesia dengan format doc.

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Exercises



5. Mencari semua dokumen mengenai vaksin palsu tapi bukan mengenai kasus rumah sakit dari situs kompas online.
6. Mahasiswa Arsitektur sedang mencari informasi mengenai rumah adat kecuali Jawa dalam alamat situs yang mengandung kata indonesia.
7. Mahasiswa Kedokteran mencari informasi tentang semua penyakit kanker kecuali paru-paru dalam semua situs pendidikan dan format ppt.

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Evaluating the Website



Criteria	Description	Notes
Authority	Author's expertise/credentials/ qualifications	Check : "About us", "FAQ"
Purpose	Publisher's (organization or author) credentials	Check Domain: .com/.co ; .edu/.ac ; .gov ; .org ; .net ; .mil
Objectivity	Goals of the author/organization publishing this site. Is the information presented as being factual or opinion, with a minimum of bias or with the intention to persuade?	For selling something or jokes or satire?
Accuracy	Accurate and verifiable information ; Are we able to identify the author and access contact information?	Check: References, bibliography, few grammar and spelling mistakes
Currency	Information is updated regularly. Are there broken links?	Check: Creation/revision date on the top or bottom of a web page

Evaluating the Website



Nama & Alamat Website	Tipe Domain	Penanggung-jawab	*Update* terakhir	Tujuan website	Rekomendasi (Digunakan/ tidak)
http://www.whitehouse.net/					
http://www.whitehouse.gov/					

Evaluating the Website

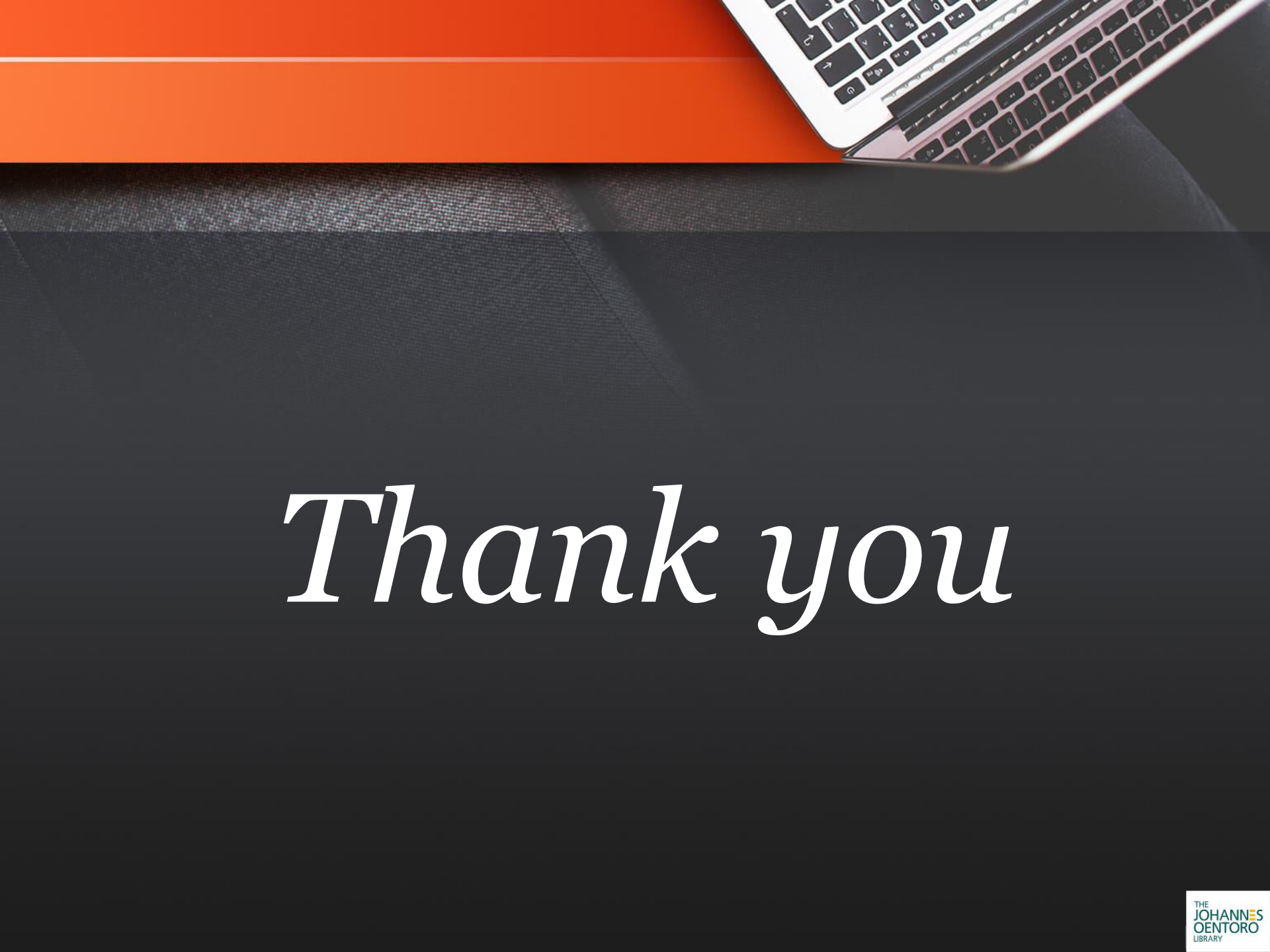


Nama & Alamat Website	Tipe Domain	Penanggung -jawab	*Update* terakhir	Tujuan website	Rekomendasi (Digunakan/ tidak)
http://www.unaids.org/en/					
http://posronda.net/2016/06/27/terinspirasi-brexit-aktivis-bekasi-ajukan-bexit-untuk-keluar-dari-jabodetabek					
http://www.kompasiana.com/www.inatanaya.com/pesona-wisata-terbaru-tour-de-flores_57309388c923bdc00abebb8b					

References

- Baskoro, D.G. (2014). *Keterampilan penelusuran informasi minggu ke-4 Keterampilan akademik*. Karawaci: Universitas Pelita Harapan.
- Baskoro, D.G. (2009) *Effective internet research (ILTP training module)*. Karawaci: Universitas Pelita Harapan.
- Southern Arkansas University Tech Learning Resource Center-Library. *Website evaluation checklist*. Diakses pada 22 Juli 2016 dari https://www.sautech.edu/docs/studentResources/library_websiteEval.pdf
- University South California Beaufort Library. *Bare bones lesson 8: Searching with Boolean logic and proximity operators*. Diakses pada 22 Juli 2016 dari http://www.sc.edu/beaufort/library/pages/bones/lesson8.shtml

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Thank you