

READING SKILL for SCIENTIFIC PAPER

(my writing)

Why?

- Reading SP is one the most important to begin research idea to make sure at first yourself that your idea will be become “a kind of research”
- Menjadi standart “not good ... good” research at first yourself before discussion with supervisor atau group discussion
- Sehingga faktor waktu penting diperhatikan, baca SP 3-5 years latter (up to date)

- Used to be called Secondary Background Research
- Secondary BR involves the collection of information from studies that other researchers have made of a subject
- The easiest and quickest way to access secondary sources are libraries or the internet

- Primary research involves the study of a subject through firsthand observation and investigation
- Primary BR sources:
 - Relevant people, Researcher observation, Researcher experience, Historical records/texts, Company/organisation records, Personal documents (diaries, etc), Statistical data, Works of art, Film/video, Laboratory experiments

Scientific Paper

- SP adalah tulisan ilmiah yang mengandung ilmu pengetahuan
- SP biasa terbagi berdasarkan bidang ilmu pengetahuan sehingga institusi pengelolanya juga berbeda-beda
- SP dapat berupa jurnal ilmiah, prosiding konferensi, laporan penelitian (Skripsi, Thesis, Disertasi, Laporan PKM, artikel majalah ilmiah, etc)

- Untuk informatika, ex:
 - Web (termasuk web science) → ACM WWW, IEEE Web Intelligent
 - Information Retrieval → ACM Sigir, IEEE IR
 - Database → ACM Sigmod, ACM KDD, IEEE Data Engineering
 - Jurnal Sistem Informasi → MITI UI
- Sebagian portal SP ada di link riset di blos's course

- The others:
 - Research books
 - Research reports
 - Journal articles
 - Articles reproduced online
 - Scientific debates
 - Critiques/ analysis of literary works/art

Choosing SP

- Lihat tahun SP
- Memperhatikan kualitas SP dari kualitas institusi pengelolanya
 - International → ACM, IEEE, Springer
 - National → lihat akreditasi dari jurnal (A,B...), kualitas penyelenggara konferensi (ITB,ITS,UI...) atau kualitas reviewernya
- Lihat authornya (termasuk riwayat penelitiannya)

Reading SP

- Read abstract, introduction, background → obtain idea, novelty, research questions
- Direct to methodology → obtain approach of research
- Skim result → obtain goodness of result
- Conclusions → obtain any open idea or next work
- If, you really like the paper extend reading the bibliography to more understand