Research Methods
Leon Andretti Abdillah

01

Introduction

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Rules

- Each student must show their registration document

- Attendance $>= 80\%$

- Late tolerance $= 15$ minutes

- Keep your mobile devices silent (the lowest volume)

- Cloths must be tidy

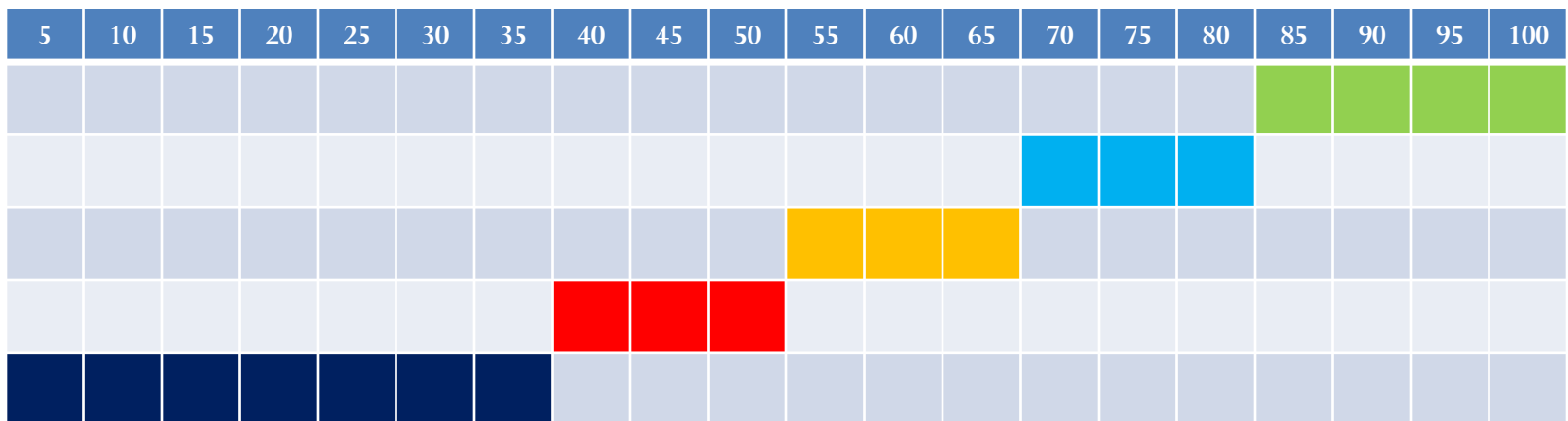- At final exam students must wear white shirt and black , and full shoes

Assessment Component

- Class activities   20% [Questionaire + Attendance]
- Middle exam   20% [MidEst + TheHighest_eLearning]
- Reports   20% [Assignments + Presentations]
- Final exam   40% [Final Test + Total_eLearning]
- Total   100%

- For reports, a group of 6 students will present their work at the end of the semester as final presentation (5 minutes for each group)

Assessment Score

Score Penilaian

No.	Total Score	Nilai	Bobot
1	085 – 100	A	4
2	070 – 084	B	3
3	055 – 069	C	2
4	040 – 054	D	1
5	000 - 039	E	0

5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100

Introduction

- Pengertian penelitian
- Ruang lingkup penelitian
- Mengapa perlu meneliti ?
- Prinsip penelitian
- Penerapan metode ilmiah
- Perkembangan penelitian bidang KTI-PD
- Prospek penelitian bidang KTI-PD

Basic Terminology

- Penelitian in english = research,
  - Research ← re + search
  - Re=ulang, search=cari
  - So research = pencarian ulang
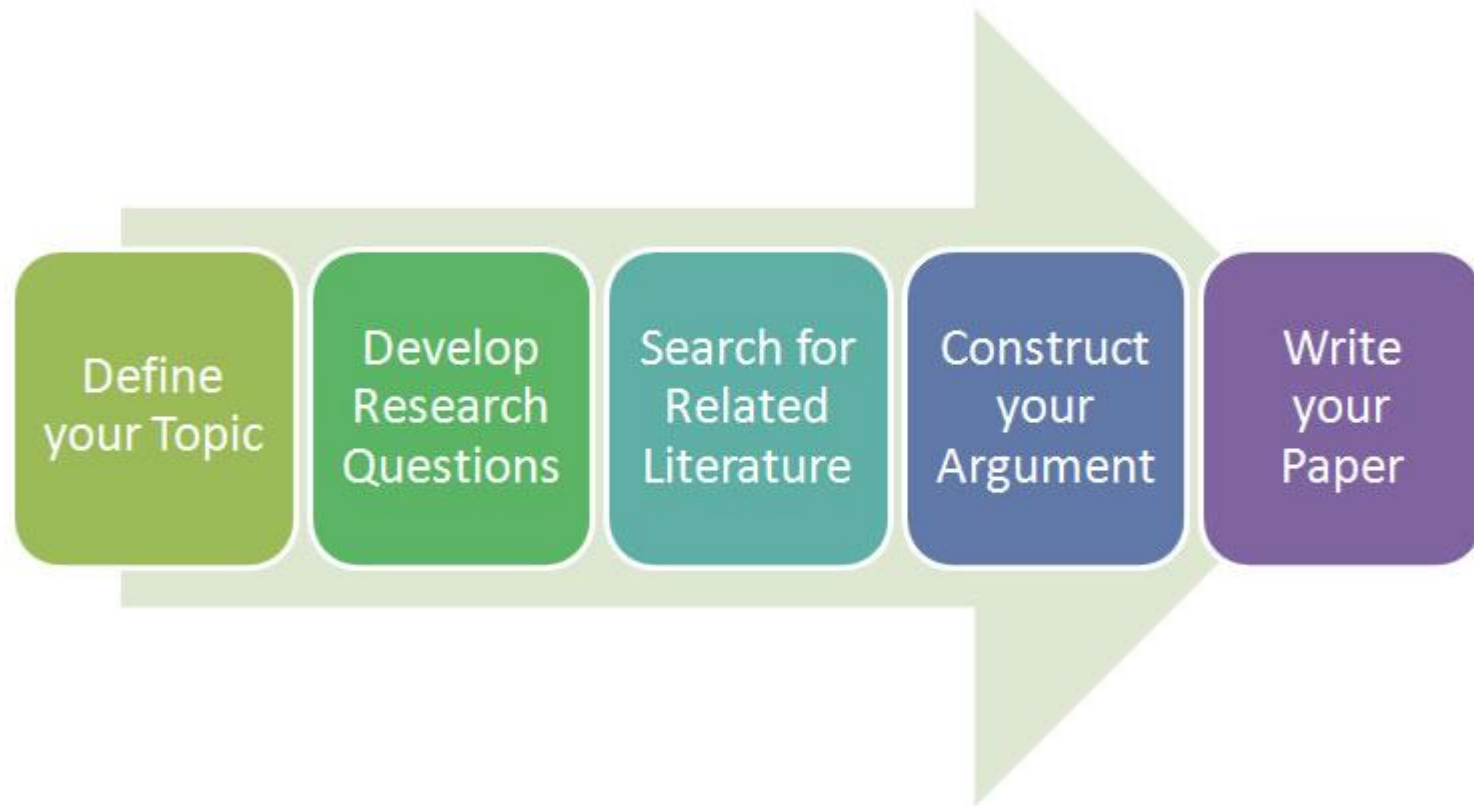 - Pencarian ulang tersebut harusnya dengan cara tertentu

Research Definition from Dictionary

- http://www.merriam-webster.com/dictionary/research
  - **1:** careful or diligent search
  - **2:** studious inquiry or examination; *especially* **:** investigation or experimentation aimed at the discovery and interpretation of facts, revision of accepted theories or laws in the light of new facts, or practical application of such new or revised theories or laws
  - **3:** the collecting of information about a particular subject
- http://oxforddictionaries.com/definition/english/research
  - the systematic investigation into and study of materials and sources in order to establish facts and reach new conclusions.
- http://www.thefreedictionary.com/research
  - **1.** Scholarly or scientific investigation or inquiry.
  - **2.** Close, careful study.

Definition of Research

- Penelitian dapat dikatakan sebagai cara mencari kebenaran melalui metode ilmiah, karena dalam mengungkapkan kebenaran penelitian digunakan metode ilmiah (Russeffendi, 1994).

- Penyelidikan sistematis yang ditujukan pada penyediaan informasi untuk menyelesaikan persoalan-persoalan (Cooper & Emory, 1996).

- Penelitian merupakan suatu proses mencari sesuatu secara sistimatis dalam waktu yang relatif lama dengan menggunakan metode ilmiah dengan prosedur maupun aturan yang berlaku (Hasibuan, 2007).

Research Process

Define your Topic → Develop Research Questions → Search for Related Literature → Construct your Argument → Write your Paper

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Research Phases

- Penelitian terdiri atas beberapa tahapan yang saling terkait antara satu dengan yang lainnya. Dimana tahapan-tahapan itu pada umumnya terdiri dari:
- 1. Identifikasi masalah
- 2. Perumusan masalah
- 3. Penelusuran pustaka
- 4. Rancangan penelitian
- 5. Pengumpulan data
- 6. Pengolahan data
- 7. Penyimpulan hasil

Exercises

- Set a group for your team
- Define the topic for your initial project

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