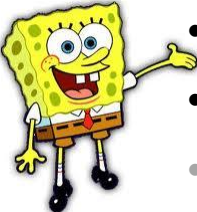


*SpongeBob
squarepants

Scientific Writing: DISCUSSION (PEMBAHASAN)

Ani Mardiasuti

The IMRAD structure



- Introduction: “why?”
- **M**ethods: “when, where, how, how much?”
- **R**esults: “what?”
- **A**nd
- **D**iscussion: “**what does it mean?**”

Results vs. Discussion

Results: Data presentation

Discussion: Data interpretation



Discussion Section

This is your chance to demonstrate your ability to synthesize, analyze, evaluate, interpret, and reason effectively

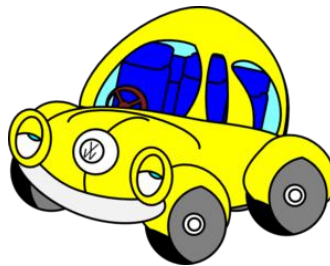


Discussion is about **VW!**



CITE: VS other research

EXPLAIN: why



Discussion

- Summarize findings presented in the results section
- **Cite supporting literature**
- **Explain discrepancies between your findings and previous reports.**
- Discuss theoretical and practical **implications** of your work
- End with a short summary or conclusion about the work's importance

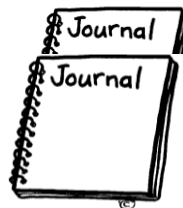
CITE

- How did your results compare with those expected?
- Harmonize it with your “Tinjauan Pustaka”
→ Your previous knowledge is ‘tested’ here!



CITE

- Cite as many as you can!
- Journals have ‘higher’ value compare to textbooks



EXPLAIN

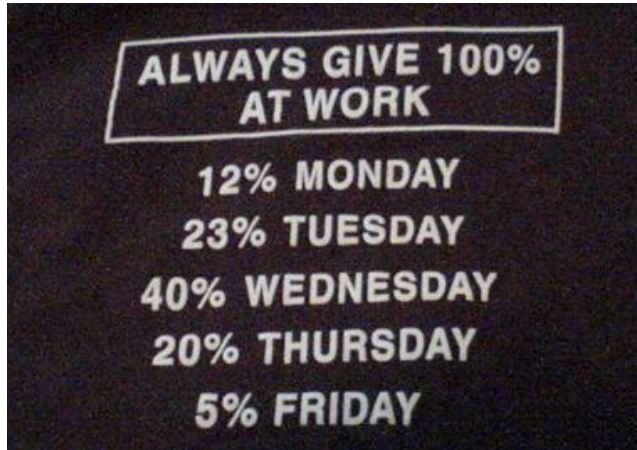
- How might you explain any unexpected results?
- “WHY”?
- Do not hesitate to acknowledge errors and constraints



EXPLAIN

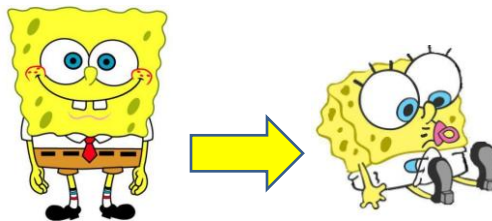
- Avoid ambiguity and misinterpretation





Implications

- How can you use your results for practical work/situation?
- Sub chapter “Management Implications”
- Do not present beyond your research results



Kendala dan Permasalahan Umum
dalam Menulis “Pembahasan”: *Mahasiswa IPB*

1. Bingung, tidak tahu apa yang ditulis

- “Hasil” → OK, sudah ditulis
- Mulai dari mana?
- Pentingnya studi literatur
- Hasil bisa sama, tetapi pembahasan bisa berbeda



Kendala dan Permasalahan Umum
dalam Menulis “Pembahasan”: *Mahasiswa IPB*

2. Pembahasan:

Ditulis terpisah? Gabung dengan ‘Hasil’?

- Opsi: pilih salah satu
- Kebanyakan jurnal meminta dipisah
- Jika digabung: pastikan membahas!



Kendala dan Permasalahan Umum
dalam Menulis “Pembahasan”: *Mahasiswa IPB*

3. Hanya menulis ‘Hasil’, belum membahas

- Khususnya jika Hasil dan Pembahasan digabungkan



Kendala dan Permasalahan Umum
dalam Menulis “Pembahasan”: *Mahasiswa IPB*

4. Hanya memberikan “why”

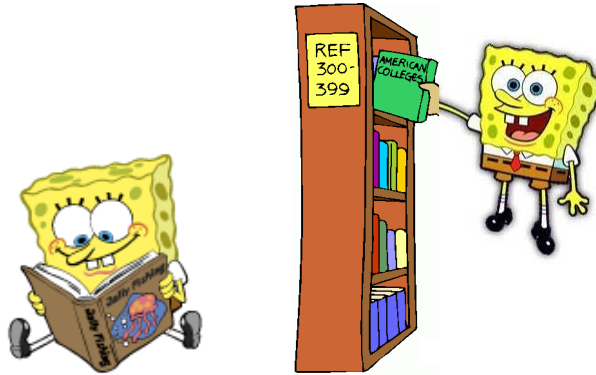
- Studi pustaka → penting!
- Proposal Penelitian → siapkan dengan baik



“bersakit-sakit dahulu”

Kendala dan Permasalahan Umum
dalam Menulis “Pembahasan”: *Mahasiswa IPB*

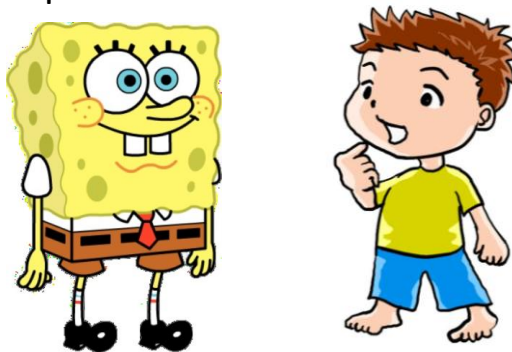
5. “vs” sangat minim



Kendala dan Permasalahan Umum
dalam Menulis “Pembahasan”: *Mahasiswa IPB*

6. Gaya bahasa: seperti menulis novel,
personifikasi

→ Plain & simple!



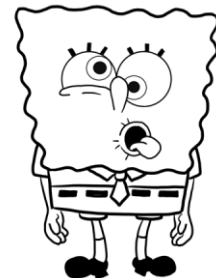
Kendala dan Permasalahan Umum
dalam Menulis “Pembahasan”: *Mahasiswa IPB*

7. Bahasan tidak relevan dengan ‘Hasil’



Kendala dan Permasalahan Umum
dalam Menulis “Pembahasan”: *Mahasiswa IPB*

1. Bingung, tidak tahu apa yang ditulis
2. Pembahasan: Ditulis terpisah? Gabung dengan ‘Hasil’?
3. Hanya menulis ‘Hasil’, belum membahas
4. Hanya memberikan “why”
5. “vs” sangat minim
6. Gaya bahasa ‘personifikasi’
7. Bahasan tidak relevan dengan ‘Hasil’



Remember the ABC of Writing Style

- **Be Accurate**

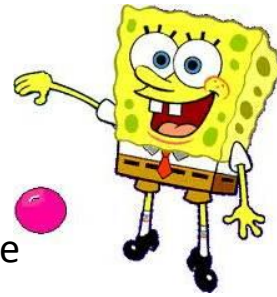
Science is a precise discipline

- **Be Brief**

Use only as many words as you need

- **Be Clear**

You will not be there to explain to the reader what you mean



How to be a good scientific writer?



How to be a good scientific writer?

- Read, Read, Read, Read, Read, Read, Read
- Practice, Practice, Practice, Practice, Practice
- Read, Read, Read, Read, Read, Read, Read
- Practice, Practice, Practice, Practice, Practice
- Read, Read, Read, Read, Read, Read, Read
- Practice, Practice, Practice, Practice, Practice
- Read, Read, Read, Read, Read, Read, Read
- Practice, Practice, Practice, Practice, Practice