

Effectiveness of Active Learning-Based RCR Workshop in Malaysia

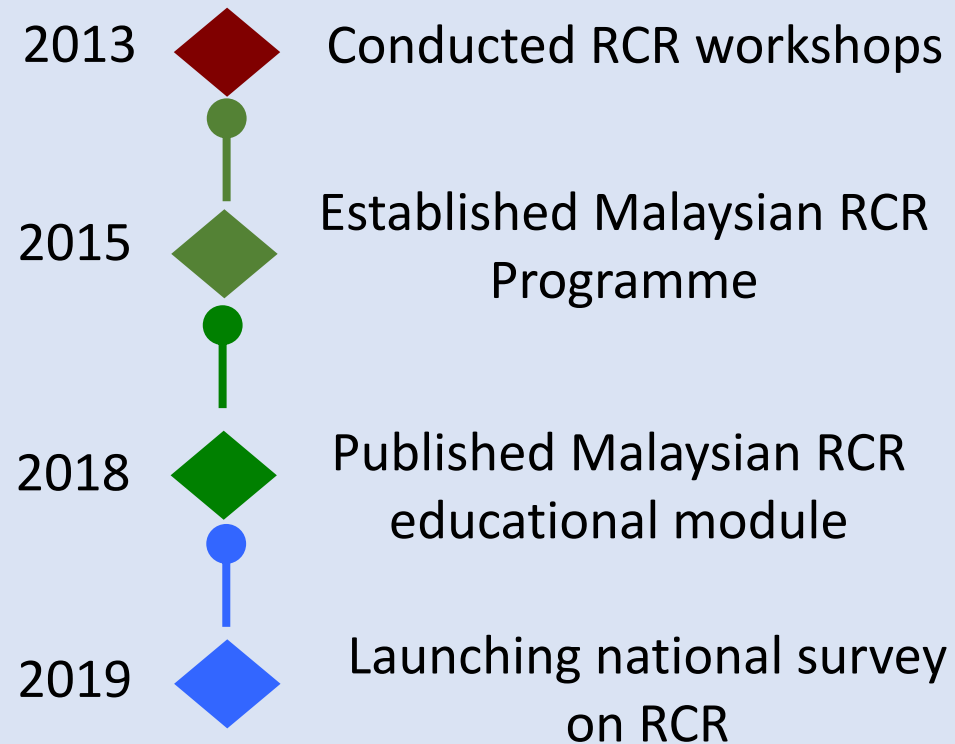
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The Malaysian RCR Educational Programme



- Lead by the Young Scientists Network in Malaysia
- Target all researchers in Malaysia
- Conduct workshops around the country

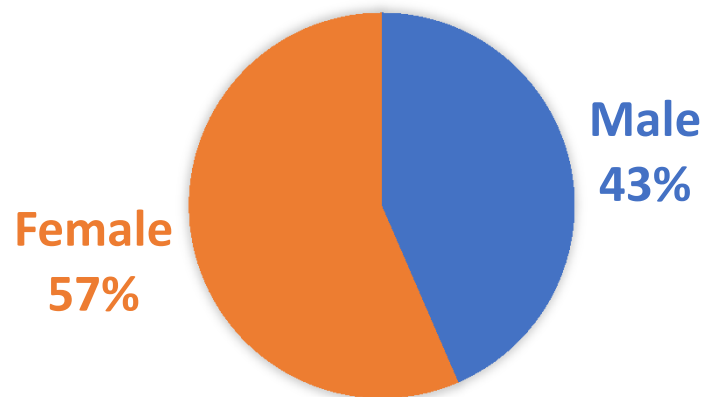
Active Learning Pedagogy Workshops



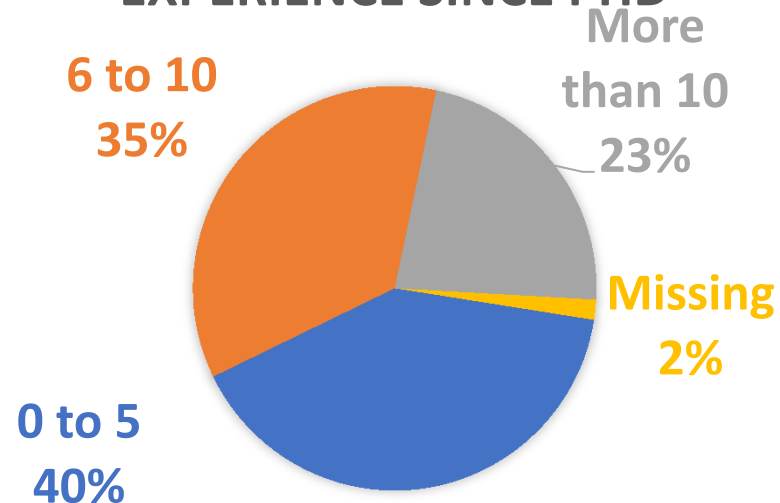
- Main RCR topics
- Case studies, roleplay, peer teaching, etc.
- Pre- and post-workshop survey

Demographics Snapshot

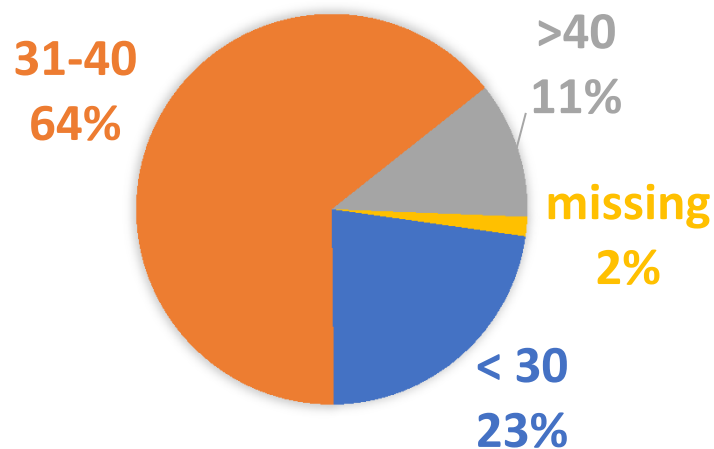
GENDER



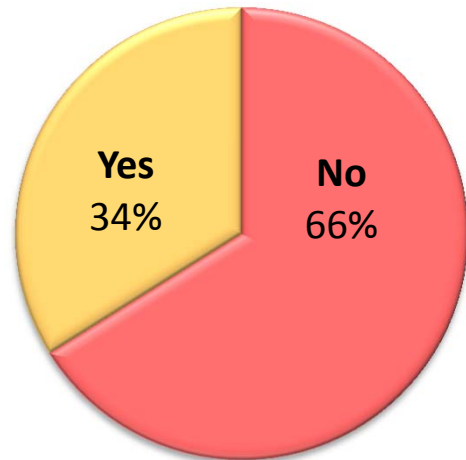
**YEARS OF RESEARCH
EXPERIENCE SINCE PHD**



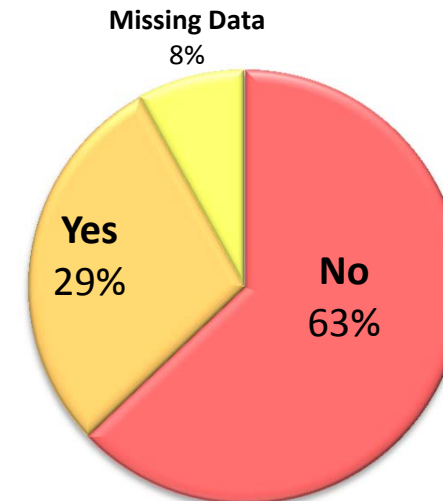
AGE



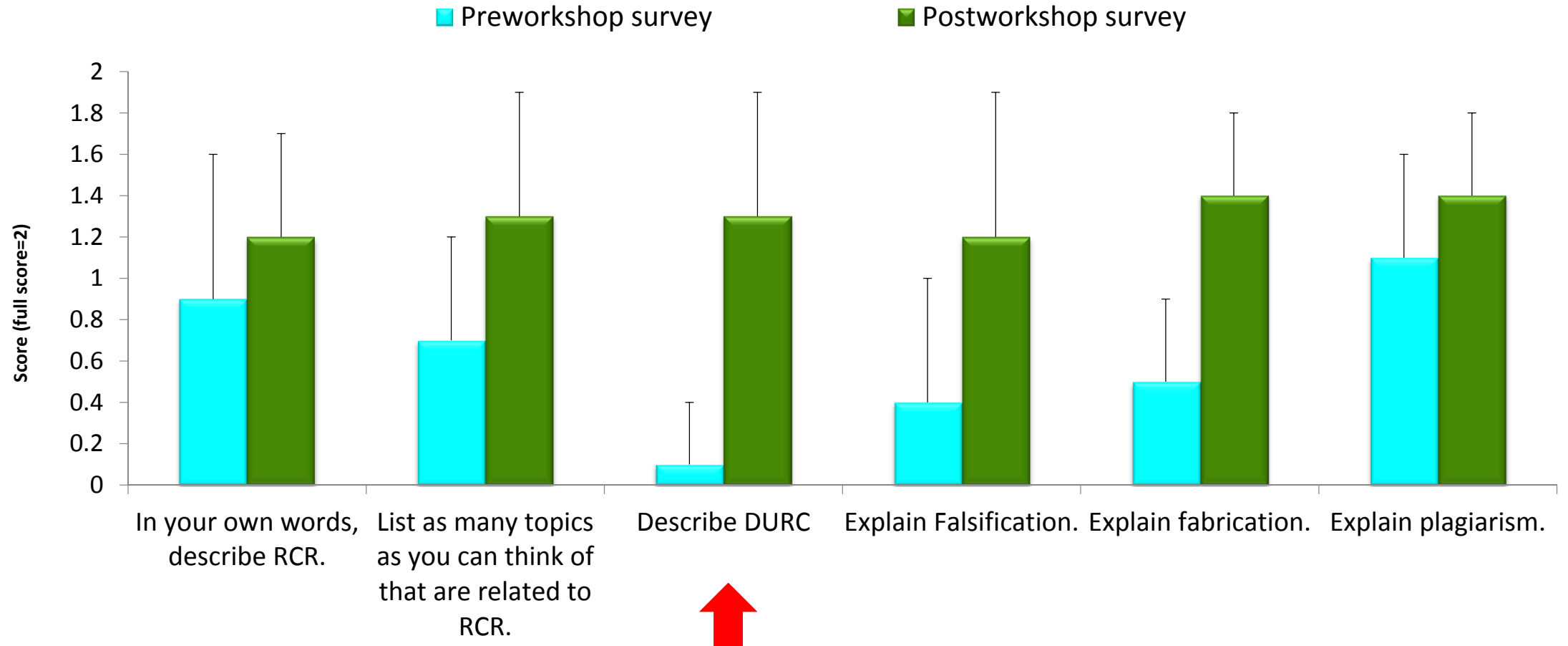
Attended RCR related course?



Does your university provide clear guidance on how to report suspicious research conduct?



RCR Knowledge



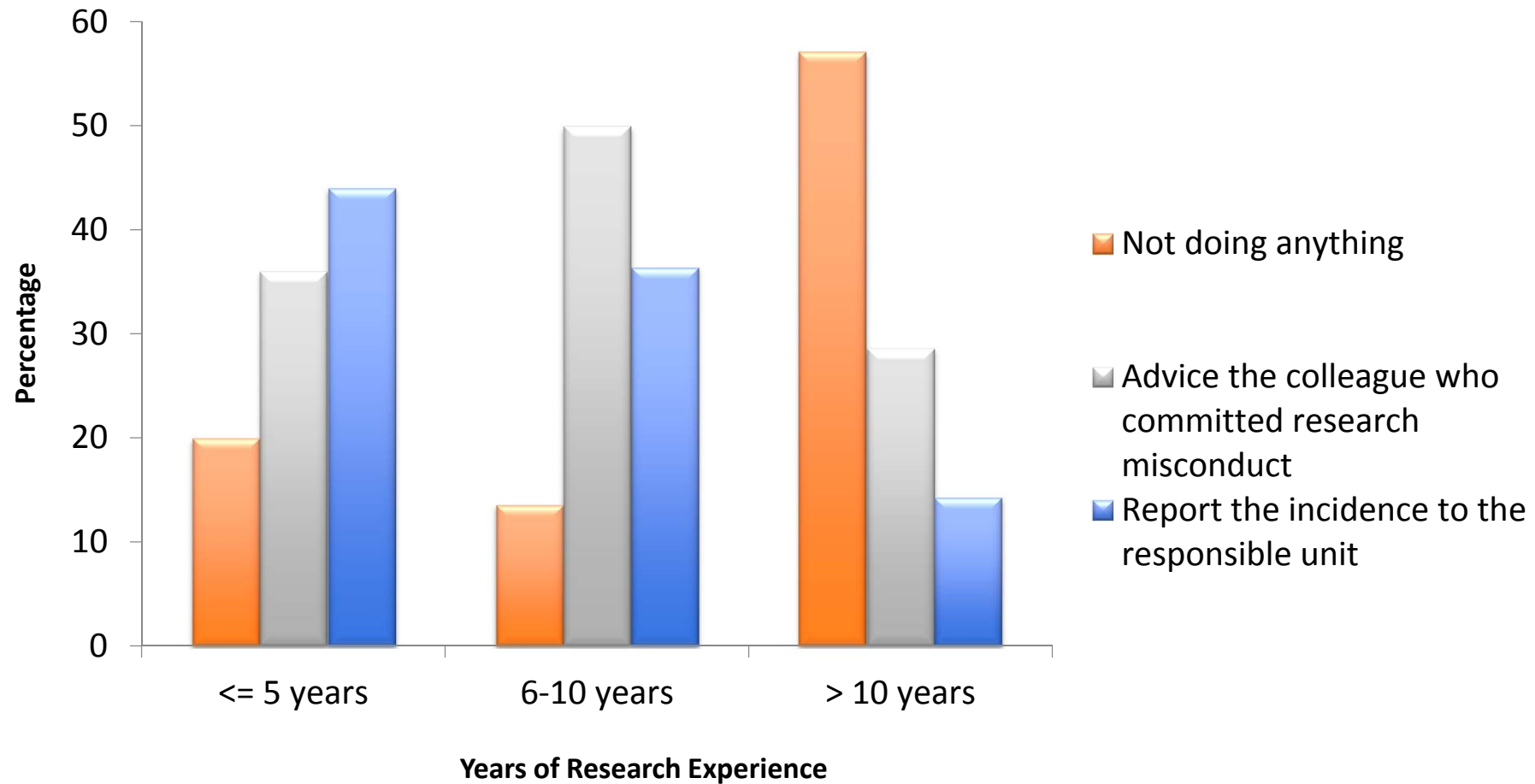
When you witness your colleague committing research misconduct, what would you do?



But..

Does gender, age or years of research experience affect how they would behave?

When you witness your colleague committing research misconduct, what would you do?



Experienced researchers (> 10 years) were less likely to take action

Refining our research

- Codified each participant; researchers are blinded
- Track the changes of individual participant pre and post-workshop
- Expand knowledge and attitude section
- Contact previous workshop participants to assess long-term effect

Conclusion

- RCR education is lacking Malaysia
- Workshop is able to shift knowledge and attitude
- Participants feedback:
 - “The mixtures of talks and activities made it fun”
 - “I really enjoyed the openness of all the discussions”
 - “Not boring”

Acknowledgement

- Young Scientists Network-Academy of Sciences Malaysia



- Academy of Sciences Malaysia



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- Dr. Chai Lay Ching, Universiti of Malaya

- US. National Academies

The National Academies of
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