

Rizqy Amelia Zein

Curriculum Vitae

External PhD Student
Department of Psychology
Ludwig-Maximilians-Universität
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Introduction

My PhD project focuses on understanding how people relate to **scientific** and **religious explanations**. I am broadly interested in doing research in the areas of **psychology of religion** and **psychology of science** and also very passionate about **research methods**, **metascience**, **computational reproducibility**, and **psychological measurement**.

Academic Positions

Since 2018	Assistant Professor (Tenured Civil Servant)	Universitas Airlangga
2015 – 2018	Assistant Professor (Probationary Civil Servant)	Universitas Airlangga
2013 – 2015	Adjunct Lecturer	Universitas Airlangga
2011 – 2012	Adjunct Lecturer	Universitas Airlangga

Education

Since 2021	PhD in Social Psychology (Dr. phil.) Fakultät für Psychologie und Pädagogik Supervisor: Prof. Dr. Mario Gollwitzer Dissertation title: On the relationship between science and religion: Theory, measurement and early evidence for the psychological mechanism	Ludwig-Maximilians-Universität, München, Germany
2012 – 2013	Master of Science (M.Sc.) in Social Research School of Social and Political Science Supervisor: Ross Bond Master's Dissertation title: What's the matter with being Indonesian? A social representational approach to unravel Indonesian national identity	University of Edinburgh, United Kingdom
2007 – 2011	<i>Sarjana Psikologi</i> (S.Psi.) Faculty of Psychology Supervisor: Dr. Ilham Nur Alfian Bachelor's Thesis title: Pola pengingkaran ingatan kolektif yang dialami oleh keluarga korban mahasiswa yang meninggal pada Tragedi Trisakti-Semanggi 1998-1999 (<i>English translation:</i> Patterns of collective memory denial experienced by the families of students who died in the Trisakti-Semanggi Tragedy of 1998-1999)	Universitas Airlangga, Surabaya, Indonesia

Awards, Honors, and Scholarship

2025	Education and Culture Editor's Choice, <i>The Conversation Indonesia</i>
2021-2025	Deutscher Akademischer Austauschdienst (DAAD), <i>Programm Forschungsstipendien - Promotionen in Deutschland</i>
2016-2018	Dean Award for Teaching Excellence
2012-2013	Unggulan Scholarship for the Master's Program, Indonesian Ministry of Education and Culture
2010	3 rd place of Singgih Dirga Gunarsa Award, Universitas Tarumanegara (student category)
2008-2011	Bank Mayapada Undergraduate Scholarship

Grants

2024	Research	06212024; Open Science of Religion (subaward). The John Templeton Foundation. <i>Measuring How Individuals Relate Science to Religion</i> . \$21.000. Role: Principal Investigator.
2024	Travel	Attending INSBS 5 th Annual Conference. International Research Network for the Study of Science & Belief in Society (INSBS). Frankfurt, 1-4 July 2024.
2021	Travel	Attending Aspen Global Congress on Scientific Thinking and Action. The Aspen Institute Science and Society Program. Rome, 17-20 March 2021. [award cancelled due to COVID-19 pandemic]
2020	Research	Data Collection Grant; Institute for Future Studies (IFFS) Sweden. <i>International Study of Norms Violations during Coronavirus Pandemic</i> . 1000€. Role: Research Collaborator.
2020	Research	42/UN3.1.9/2020; Universitas Airlangga ECR Grant. <i>Health Misinformation, Vaccine Hesitancy, and Religiosity: A Meta-Analysis Study</i> . Rp25.000.000. Role: Research Collaborator.
2019	Travel	Attending Triangle Scholarly Communication Institute (TriangleSCI), Durham (NC), 13-17 October 2019.
2019	Travel	Attending SIPS Pre-Conference RepliCATS workshop, Rotterdam, 6-7 July 2019
2019	Research	Data Collection Grant; Institute for Future Studies (IFFS) Sweden. <i>International Study of Meta-Norms</i> . 1000€. Role: Research Collaborator.
2018	Research	886/UN3/2018; Universitas Airlangga ECR Grant. <i>Protecting those who care: Comparing subjective and actual risk of contracting lung TB in healthcare workers</i> . Rp25.000.000. Role: Principal Investigator.
2017	Research	39/UN3.1.9/2017; Faculty of Psychology Universitas Airlangga ECR Grant. <i>Do justice and trust matter to supporting social health insurance policy?</i> Rp25.000.000. Role: Principal Investigator.

Scientific Contributions

Peer-reviewed journal articles



Zein, R. A. & Rikardi, A. A. (2025). Evaluating the Short Dark Tetrad (SD4) Scale in an Indonesian Sample. *Collabra: Psychology* [revise and resubmit].



Zein, R. A. & Gollwitzer, M. (2025). More Than Dilution: Religiosity and Conflict Perceptions Predict Perceived Utility of Religious, but not Scientific Explanations. *Religion, Brain, & Behavior* [under review, preprint: https://osf.io/preprints/psyarxiv/4rjqs_v1].



Zein, R. A., Heene, M., & Gollwitzer, M. (2025). Stage 2 Registered Report: Measuring How Individuals Relate Science to Religion. *The International Journal for the Psychology of Religion*. <https://doi.org/10.1080/10508619.2025.2535033>.



Zein, R. A. & Akhtar, H. (2025). Getting Started with the Graded Response Model (GRM): An introduction and tutorial in R. *International Journal of Psychology*, 60(1), e13265. <https://doi.org/10.1002/ijop.13265>

Zein, R. A., Altenmüller, M. S., & Gollwitzer, M. (2024). Longtime nemeses or cordial allies? How individuals mentally relate science and religion. *Psychological Review*, 131(6), 1459-1481. <https://doi.org/10.1037/rev0000492>



Zein, R. A., Wulandari, R. D., Ridlo, I. A., Hendriani, W., Suhariadi, F., & Rianto, A. (2022). The characteristics of occupational Tuberculosis risk in health care workers. *International Journal of Health Planning and Management*, 37(5), 2669-2683. <https://doi.org/10.1002/hpm.3489>



Zein, R. A., Putri, N. K., & Ridlo, I. A. (2020). Do justice and trust affect acceptability of Indonesian social health insurance policy? *International Journal of Health Governance*, 25(1), 78-92. <https://doi.org/10.1108/IJHG-05-2019-0028>

Zein, R. A. (2018). 'Is Ethnicity the Root of all Evil?' Engaging Macro and Micro Analysis of Ethnic Violence in Post New-order Indonesia. *Politik Indonesia: Indonesian Political Science Review*, 3(2), 262–279. <https://doi.org/10.15294/ipsr.v3i2.13985>



Zein, R. A., & Alfian, I. N. (2018). Faktor Determinan Perilaku Konservasi Energi dalam Skala Rumah Tangga dan Sektor Transportasi pada Konsumen Produk Elektronik Ramah Lingkungan dan BBM Non-Subsidi. *Jurnal Psikologi*, 45(3), 231. <https://doi.org/10.22146/jpsi.10818>

Zein, R. A. (2018). What's the matter with being Indonesian? A social representation approach to unravelling Indonesian national identity / ¿Qué significa ser indonesio? Una perspectiva de la representación social para desentrañar la identidad nacional indonesia. *International Journal of Social Psychology: Revista de Psicología Social*, 33(2), 390–423. <https://doi.org/10.1080/02134748.2018.1435219>

Zein, R. A., Suhariadi, F., & Hendriani, W. (2017). Estimating the effect of lay knowledge and prior contact with pulmonary TB patients, on health-belief model in a high-risk pulmonary TB transmission population. *Psychology Research and Behavior Management*, Volume 10, 187–194. <https://doi.org/10.2147/PRBM.S134034>

Collaborations

1. Ackerman, J. M., Samore, T. [...], **Zein, R. A.**, Žeželj, I. (2025). I see sick people: Beliefs about sensory detection of infectious disease are largely consistent across cultures. *Brain, Behavior, and Immunity*, in-press. <https://doi.org/10.1016/j.bbi.2025.04.020>
2. Andersson, P. A., Vartanova, I., [...], **Zein, R. A.**, [...], & Eriksson, K. (2024). Anger and disgust shape judgments of social sanctions across cultures, especially in high individual autonomy societies. *Scientific Reports*, 14(1), 5591. <https://doi.org/10.1038/s41598-024-55815-x>
3. Andrighetto, G., Szekely, A., [...], **Zein, R. A.**, [...], & Eriksson, K. (2024). Changes in social norms during the early stages of the COVID-19 pandemic across 43 countries. *Nature Communications*, 15(1), 1436. <https://doi.org/10.1038/s41467-024-44999-5>
4. Gollwitzer, M., Prager, J., Altenmüller, M. S., & **Zein, R. A.** (2023). Simplification Is Not Indoctrination. *Psychology Learning & Teaching*, 22(3), 245-250. <https://doi.org/10.1177/14757257231195352>
5. Onie, S., Vina, A., [...], **Zein, R. A.**, [...], & Larsen, M. E. (2023). Indonesian first national suicide prevention strategy: key findings from the qualitative situational analysis. *The Lancet Regional Health-Southeast Asia*, 16. <https://doi.org/10.1016/j.lansea.2023.100245>
6. Terry, J., [...], **Zein, R. A.**, [...], & Field, A. (2023). Data from an International Multi-Centre Study of Statistics and Mathematics Anxieties and Related Variables in University Students (the SMARVUS Dataset). *Journal*

of *Open Psychology Data*, 11(1), Article 8. <https://doi.org/10.5334/jopd.80>

7. McLamore, Q., [...] & **Zein, R. A.** (2023). The distinct associations of ingroup attachment and glorification with responses to the coronavirus pandemic: Evidence from a multilevel investigation in 21 countries. *British Journal of Social Psychology*, 62(2), 992-1012. <https://doi.org/10.1111/bjso.12614>
8. Bago, B., [...], **Zein, R. A.**, [...], Hoekstra, R., & Aczel, B. (2022). Situational factors shape moral judgements in the trolley dilemma in Eastern, Southern and Western countries in a culturally diverse sample. *Nature Human Behaviour*. <https://doi.org/10.1038/s41562-022-01319-5>
9. McLamore, Q., [...], **Zein, R. A.**, [...], Yeung, W. L. V., & Burrows, B. (2022). Trust in scientific information mediates associations between conservatism and coronavirus responses in the U.S., but few other nations. *Scientific Reports*, 12, 3724. <https://doi.org/10.1038/s41598-022-07508-6>
10. Eriksson, K., [...], **Zein, R. A.**, [...], Zircanou-Kazolea, L., & Van Lange, P. (2021). Perceptions of the appropriate response to norm violation in 57 societies. *Nature Communication*, 12(1), 1-11. <https://doi.org/10.1038/s41467-021-21602-9>
11. Irawan, D. E., Abraham, J., **Zein, R. A.**, Ridlo, I. A., & Aribowo, E. K. (2021). Open access in Indonesia. *Development and Change*, 52, 651-660. <https://doi.org/10.1111/dech.12637>
12. Maison, D., Marchlewska, M., **Zein, R. A.**, Syarifah, D., & Purba, H. (2019). Religiously permissible consumption: The influence of the halal label on product perceptions depending on the centrality of religiosity. *Journal of Islamic Marketing*, 10(3), 948-960. <https://doi.org/10.1108/JIMA-07-2018-0119>
13. Ridlo, I. A., & **Zein, R. A.** (2018). #CondomEmoji: Are urban Indonesians receptive to a social media-based campaign for safer sex? *Health Education*, 118(5), 386-401. <https://doi.org/10.1108/HE-02-2018-0010>
14. Ridlo, I. A., & **Zein, R. A.** (2018). Arah Kebijakan Kesehatan Mental: Tren Global dan Nasional Serta Tantangan Aktual. *Buletin Penelitian Kesehatan*, 46(1), 45-52. <https://doi.org/10.22435/bpk.v46i1.56>
15. Maison, D., Marchlewska, M., Syarifah, D., **Zein, R. A.**, & Purba, H. P. (2018). Explicit versus implicit "Halal" information: Influence of the halal label and the country-of-origin information on product perceptions in Indonesia. *Frontiers in Psychology*, 9(MAR), 1-7. <https://doi.org/10.3389/fpsyg.2018.00382>
16. Dewi, T. K., & **Zein, R. A.** (2017). Predicting Intention to Perform Breast Self-Examination: Application of the Theory of Reasoned Action. *Asian Pacific Journal of Cancer Prevention*, 11. <https://doi.org/10.22034/APJCP.2017.18.11.2945>
17. Fajrianti, F., & **Zein, R. A.** (2017). Development of a psychological test to measure ability-based emotional intelligence in the Indonesian workplace using an item response theory. *Psychology Research and Behavior Management*, Volume 10, 339-352. <https://doi.org/10.2147/PRBM.S143113>
18. Suhariadi, F., **Zein, R. A.**, Alfian, I. N., & Hadi, C. (2016). The Tale of Seeking Treatment: A Qualitative Study of Pulmonary Tuberculosis Patients. *Psychology, Community & Health*, 5(3), 229-243. <https://doi.org/10.5964/pch.v5i3.152>

Book Chapter

Zein, R. A. (2021). Metode Penelitian dalam Psikologi Politik. In W. Yustisia, M. A. Hakim, & R. Ardi (Ed.), *Psikologi politik* (pp. 33-74). Jakarta: Penerbit Buku Kompas. Preprint: <https://rinaxiv.lipi.go.id/lipi/preprint/view/773>

Selected non-peer-reviewed writings & op-eds

1. **Zein, R.A.** (2024). Paper mills: the 'cartel-like' companies behind fraudulent scientific journals. *The Conversation Global*. (over 34,000 reads)
2. **Zein, R.A.** (2021). Open science can help accelerate – and protect – high-quality research in low-

income countries. *The Conversation France*. (over 2,000 reads)

3. **Zein, R.A.** (2021). 27% penduduk Indonesia masih ragu terhadap vaksin COVID-19, mengapa penting meyakinkan mereka. *The Conversation Indonesia*. (over 14,000 reads)
4. Irawan, D.E., Abraham, J., **Zein, R.A.**, & Gutham, S. (2020). India's plan to pay journal subscription fees for all its citizen may end up making science harder to access. *The Conversation Indonesia*. (over 19,000 reads)
5. **Zein, R.A.** (2020). Mengapa anjuran “berpikir positif” saat pandemi COVID-19 justru bahayakan nyawa banyak orang. *The Conversation Indonesia*. (over 96,000 reads)
6. **Zein, R. A.** (2019). Prabowo Tak Percaya Hasil Hitung Cepat: Mengapa partisan berpikir konspiratif? *The Conversation Indonesia*. (over 19,000 reads)
7. **Zein, R.A.** (2018). Efek kobra, dosen Indonesia terobsesi pada indeks Scopus dan praktik tercela menuju universitas kelas dunia. *The Conversation Indonesia*. (over 117,000 reads)

Professional Community Services

Ad-hoc peer-review

Journal of Ethnic and Migration Studies (x2), PLoS ONE (x6), Psychology and Sexuality (x1), Psychology Research and Behavior Management (x1), Jurnal Berkala Epidemiologi (x1), MAKARA Human Behavior Studies in Asia (x1), Journal of Social Psychology (x3), International Quarterly of Community Health Education (1x), Public Understanding of Science (2x), International Journal of Psychology (2x), Social Psychology (1x), Social Justice Research (3x), Collabra: Psychology (2x), Current Psychology (1x), Jurnal Psikologi Sosial (1x).

Others

2019	Committee , 36th Anniversary of Faculty of Psychology.
2019	Committee , Webinar Sains – Advancing Science in Indonesia: Current Global Research Practices.
2019-present	Member/Co-Founder , Airlangga Open Science (https://sainsterbukaua.github.io/).
2019-present	Researcher-in-training , Institute for Globally Distributed Open Research and Education (IGDORE).
2019-2020	Volunteer , INArxiv pre-print server.
2016-2021	Editor-in-chief , INSAN Jurnal Psikologi dan Kesehatan Mental.

Presentations

Conference

17/09/2024	Measuring How Individuals Mentally Relate Science to Religion: Conceptualization and Measurement (invited coupled symposia: Trust in Science – A Global Challenge in Digitalized Times), 53rd Deutsche Gesellschaft für Psychologie/15th Österreichische Gesellschaft für Psychologie Congress. Vienna, Austria.
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Invited talk

24/06/2025	Can Scientific and Religious Explanations Coexist? Presented at <i>International Virtual Symposium</i> , Department of Psychology Universitas Airlangga.
06/12/2024	How Individuals Mentally Relate Science to Religion: From conceptualization to measurement. Presented at <i>Emerging Scholars of Psychological Science (ESPS)</i> ,

- Department of Psychology Princeton University.
- 08/10/2024 **Mengenai Cara Kerja *Paper Mill***, Organisasi Riset Ilmu Pengetahuan Sosial dan Humaniora (OR IPSH) Badan Riset dan Inovasi Nasional (BRIN).
- 08/07/2023 **Komunikasi Kesarjanaan dalam Bidang Sosial Humaniora**, Persatuan Pelajar Indonesia (PPI) Jerman.
- 11/12/2022 **Proses Psikologis dalam Pengalaman Ketidakadilan**, BEM Fakultas Psikologi Universitas Airlangga – Konferensi Mahasiswa Merdeka Belajar (KMMB).
- 12/10/2022 **Perkembangan Kajian Psikologi Moral Secara Global dan di Indonesia**, Fakultas Psikologi Universitas Muhammadiyah Prof. Dr. HAMKA dan Ikatan Psikologi Sosial.
- 01/10/2022 **Menulis Pembahasan dan Abstrak dalam Artikel Ilmiah**, Pusat Kajian Psikologi Komunikasi dan Budaya (PUSKALOKA) dan SUKSMA: Jurnal Psikologi Universitas Sanata Dharma Yogyakarta.
- 14/09/2022 **Internasionalisasi, Pemingkatan, dan Integritas Akademik di Universitas**, Fakultas Keguruan dan Ilmu Pendidikan (FKIP) Universitas Muhammadiyah Prof. Dr. HAMKA.
- 27/08/2020 **Mengelola Pembelajaran Jarak-Jauh dengan *Online Delivery***, Fakultas Psikologi Universitas Airlangga.
- 08/08/2020 **Penolakan Vaksin, Kepercayaan Konspiratif, dan Bagaimana Menyikapinya**, Webinar Series: Ilmuwan Merespon Pandemi, *Society of Indonesian Science Journalists (SISJ)* & Akademi Ilmuwan Muda Indonesia (ALMI).
- 05/04/2020 **Sintesis Pengetahuan dengan Meninjau Literatur**, Department of Health Policy and Administration Universitas Airlangga.
- 21/09/2019 **Menulis Artikel Opini dan Komunikasi Sains**, Kelas Literasi Klub Seri Buku.
- 08/08/2019 **Menulis Artikel Populer dari Karya Ilmiah**, Direktorat Sistem Informasi (DSI) Universitas Airlangga.
- 07/23/2019 **Self-Archiving**, *The Conversation Indonesia Writing Workshop*.
- 19/07/2019 **Self-Archiving and Introduction to Open Science**, The Indonesian Journal of Health Administration Workshop.
- 25/04/2019 **Encouraging Academics to Embrace #OpenScience**, The 5th UGM Public Health Symposium.
- 21/01/2019 **Challenging Religious Extremism: Social Psychology Perspective**, Universitas Nahdlatul 'Ulama Surabaya.

Workshops and open-source tutorials

- 17/03/2025 **Lecture Notes and Tutorials on Quantitative Research in Psychology** (Bahasa Indonesia)
- 30/01/2020 **Confirmatory Factor Analysis**, Faculty of Education Universitas Negeri Semarang.
- 22-23/11/2019 **Multigroup Structural Equation Modeling**, Faculty of Psychology Universitas Airlangga.
- 02/11/2019 **Multilevel Modeling/Linear Mixed Effect**, Faculty of Psychology Universitas Islam Sultan Agung, Semarang.
- 04/09/2019 **Multilevel Modeling/Linear Mixed Effect**, Faculty of Psychology Universitas Airlangga.
- 05/10/2018 **Statistical Power Workshop**, Faculty of Psychology Universitas Airlangga.

Professional Development

Workshops

- 07/02/2025 **Good Clinical Practice**, NIDA Clinical Trials Network
- 15/09/2024 **Machine Learning and Interpretable Machine Learning with R**, 53rd Deutsche Gesellschaft für Psychologie/15th Österreichische Gesellschaft für Psychologie Congress
- 18/08/2020 **Good Clinical Practice**, NDA Clinical Trials Network
- 01/11/2018 **Multilevel Modeling**, Indonesian Association of Social Psychology (IPS)
- 14/12/2017 **Psychological Test Adaptation**, HIMPSI Jawa Timur
- 20/11/2017 **Basic and Advanced Training on Bioethics**, Faculty of Public Health Universitas

	Airlangga
10-21/04/2017	Applied Approach , Universitas Airlangga
06-10/03/2017	PEKERTI , Universitas Airlangga
24/07 – 6/12/2017	Pelatihan Dasar Calon PNS Golongan III , Pusdiklat Kementerian Pendidikan dan Kebudayaan

MOOCs

10/03/2025	SQL for Data Science , UC Davis, Coursera
23/10/2019	Improving your statistical questions , TU Eindhoven, Coursera
01/02/2019	Improving your statistical inferences , TU Eindhoven, Coursera
03/04/2018	Inferential statistics , University of Amsterdam, Coursera

Summer School

07/03/2013	Advanced Issues in Survey Design and Analysis , Utrecht University
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Professional Membership

2013-present	Indonesian Association of Psychology (<i>Himpunan Psikologi Indonesia</i> – HIMPSI)
2013-present	Indonesian Association of Social Psychology (<i>Ikatan Psikologi Sosial</i> – IPS)
2020-present	Asian Association of Social Psychology (AASP)
2024-present	American Psychological Association (APA)

Skills

Language

Native	Bahasa Jawa
Native	Bahasa Indonesia
C2	English
B1	German
A1	Arabic

Methodology/Statistics

Dimension Reductions (i.e., PCA, FA, proficient)
Latent Variable Modeling (proficient)
Latent Response Model/Item Response Theory (working knowledge)
Multilevel Modeling/Linear Mixed Effect (working knowledge)
General Linear Models (working knowledge)
Generalized Linear Models (working knowledge)
Systematic Review (working knowledge)
Meta-Analysis (working knowledge)
Causal Inference/Directed Acyclic Graph (DAG) (beginner)
Network Modeling (beginner)

Statistical Programming, Data Analysis, Survey Programming, & Publishing Tools

SPSS, JASP, & jamovi (proficient)
R (working knowledge)
Excel (working knowledge)
Git (working knowledge)

Mplus (working knowledge)
Sosci Survey, Survey Monkey, LimeSurvey, & Qualtrics (working knowledge)
R Markdown & Quarto (working knowledge)
SAS (beginner)
HTML (beginner)
PHP (beginner)
SQL (beginner)
formr (beginner)
lab.js (beginner)
Gorilla Experiment Builder (beginner)

Mentorship

2021	Riezky Putra Santoso , undergraduate thesis
2021	Faza Izzudin Nuha , undergraduate thesis
2021	Fiona Fira Winata , undergraduate thesis
2020	Naufal A. Farisy , undergraduate thesis
2020	Sita Nadia Salsabilla Widodo , undergraduate thesis
2020	Hibatullah Anfal Farisi , undergraduate thesis
2020	Maghfira Fahmi Arinda , undergraduate thesis
2020	Audi Ahmad Rikardi , undergraduate thesis

Teaching

Even Semester	PNP206 Quantitative Research Methods and Data Analysis
2020/2021	PSS104 Social Cognition (Regular Program)
	PSS104 Social Cognition (IUP/AMERTA)
	PNP206 Quantitative Research Methods (Master of Professional Psychology)
	MAS702 Advanced Statistics (Master of Professional Psychology)
	PSS405 Social Psychology Seminar

For assigned courses from 2020 backwards, please refer to [PDDikti database](#).